

Computer algebra independent integration tests

1-Algebraic-functions/1.2-Trinomial-products/1.2.3-General/1.2.3.5-P-x-d-x-^m-a+b-xⁿ+c-x⁻²-n-^p

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Chapter 1

Introduction

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This report gives the result of running the computer algebra independent integration test. Elementary Algebraic integrals version.

The download section below contains links to download the problems in plain text format used for all CAS systems.

The number of integrals in this report is [8]. This is test number [35].

1.1 Listing of CAS systems tested

The following systems were tested at this time.

1. Mathematica 12.3.1 (64 bit) on windows 10.
2. Rubi 4.16.1 in Mathematica 12.3.1 on windows 10.
3. Maple 2021.1 (64 bit) on windows 10.
4. Maxima 5.45 on Linux. (via sagemath 9.3)
5. Fricas 1.3.7 on Linux (via sagemath 9.3)
6. Giac/Xcas 1.7 on Linux. (via sagemath 9.3)
7. Sympy 1.8 under Python 3.8.8 using Anaconda distribution on Ubuntu.
8. Mupad using Matlab 2021a with Symbolic Math Toolbox Version 8.7 under windows 10 (64 bit)
9. IntegrateAlgebraic under Mathematica 12.3.1 on windows 10. https://github.com/stblake/algebraic_integration. September 15, 2021 version.

Maxima, Fricas and Giac/Xcas were called from inside SageMath. This was done using SageMath integrate command by changing the name of the algorithm to use the different CAS systems.

Sympy was called directly using Python.

1.2 Results

Important note: A number of problems in this test suite have no antiderivative in closed form. This means the antiderivative of these integrals can not be expressed in terms of elementary, special functions or Hypergeometric2F1 functions. RootSum and RootOf are not allowed.

If a CAS returns the above integral unevaluated within the time limit, then the result is counted as passed and assigned an A grade.

However, if CAS times out, then it is assigned an F grade even if the integral is not integrable, as this implies CAS could not determine that the integral is not integrable in the time limit.

If a CAS returns an antiderivative to such an integral, it is assigned an A grade automatically and this special result is listed in the introduction section of each individual test report to make it easy to identify as this can be important result to investigate.

The results given in in the table below reflects the above.

System	% solved	% Failed
Rubi	100.00 (8)	0.00 (0)
Fricas	87.50 (7)	12.50 (1)
Mathematica	62.50 (5)	37.50 (3)
Mupad	62.50 (5)	37.50 (3)
Giac	50.00 (4)	50.00 (4)
Maple	25.00 (2)	75.00 (6)
IntegrateAlgebraic	25.00 (2)	75.00 (6)
Maxima	25.00 (2)	75.00 (6)
Sympy	12.50 (1)	% 87.50 (7)

Table 1.1: Percentage solved for each CAS

The table below gives additional break down of the grading of quality of the antiderivatives generated by each CAS. The grading is given using the letters A,B,C and F with A being the best quality. The grading is accomplished by comparing the antiderivative generated with the optimal antiderivatives included in the test suite. The following table describes the meaning of these grades.

grade	description
A	Integral was solved and antiderivative is optimal in quality and leaf size.
B	Integral was solved and antiderivative is optimal in quality but leaf size is larger than twice the optimal antiderivatives leaf size.
C	Integral was solved and antiderivative is non-optimal in quality. This can be due to one or more of the following reasons <ol style="list-style-type: none"> 1. antiderivative contains a hypergeometric function and the optimal antiderivative does not. 2. antiderivative contains a special function and the optimal antiderivative does not. 3. antiderivative contains the imaginary unit and the optimal antiderivative does not.
F	Integral was not solved. Either the integral was returned unevaluated within the time limit, or it timed out, or CAS hanged or crashed or an exception was raised.

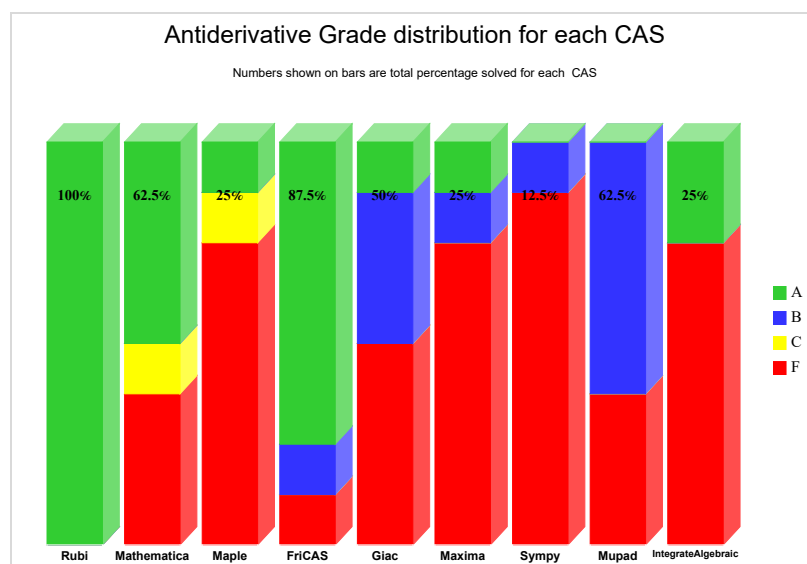
Table 1.2: Description of grading applied to integration result

Grading is implemented for all CAS systems. Based on the above, the following table summarizes the grading for this test suite.

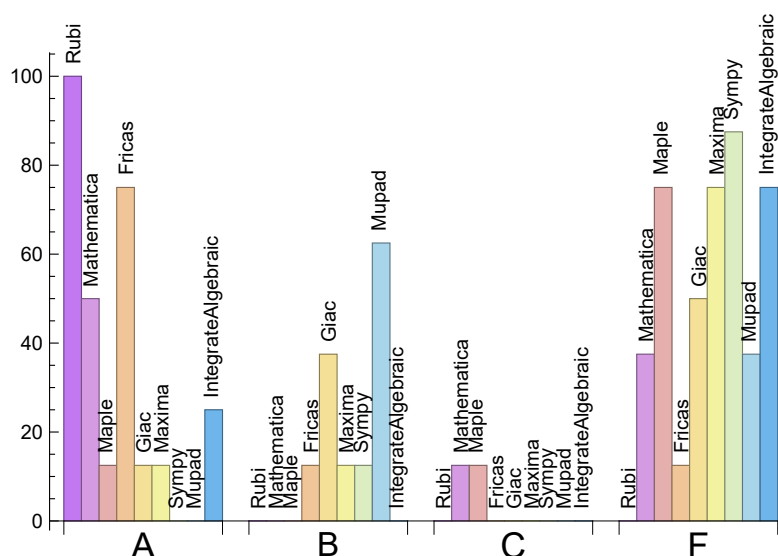
System	% A grade	% B grade	% C grade	% F grade
Rubi	100.00	0.00	0.00	0.00
Fricas	75.00	12.50	0.00	12.50
Mathematica	50.00	0.00	12.50	37.50
IntegrateAlgebraic	25.00	0.00	0.00	75.00
Maple	12.50	0.00	12.50	75.00
Giac	12.50	37.50	0.00	50.00
Maxima	12.50	12.50	0.00	75.00
Mupad	N/A	62.50	0.00	37.50
Sympy	0.00	12.50	0.00	87.50

Table 1.3: Antiderivative Grade distribution of each CAS

The following is a Bar chart illustration of the data in the above table.



The figure below compares the CAS systems for each grade level.



The following table shows the distribution of the different types of failure for each CAS. There are 3 types of reasons why it can fail. The first is when CAS returns back the input within the time limit, which means it could not solve it. This is the typical normal failure **F**.

The second is due to time out. CAS could not solve the integral within the 3 minutes time limit which is assigned **F(-1)**.

The third is due to an exception generated. Assigned **F(-2)**. This most likely indicates an interface problem between sagemath and the CAS (applicable only to FriCAS, Maxima and Giac) or it could be an indication of an internal error in CAS. This type of error requires more investigations to determine the cause.

System	Number failed	Percentage normal failure	Percentage time-out failure	Percentage exception failure
Rubi	0	0.00 %	0.00 %	0.00 %
Mathematica	3	0.00 %	100.00 %	0.00 %
Maple	6	100.00 %	0.00 %	0.00 %
Fricas	1	0.00 %	100.00 %	0.00 %
IntegrateAlgebraic	6	100.00 %	0.00 %	0.00 %
Giac	4	75.00 %	25.00 %	0.00 %
Maxima	6	100.00 %	0.00 %	0.00 %
Sympy	7	0.00 %	100.00 %	0.00 %
Mupad	3	100.00 %	0.00 %	0.00 %

Table 1.4: Failure statistics for each CAS

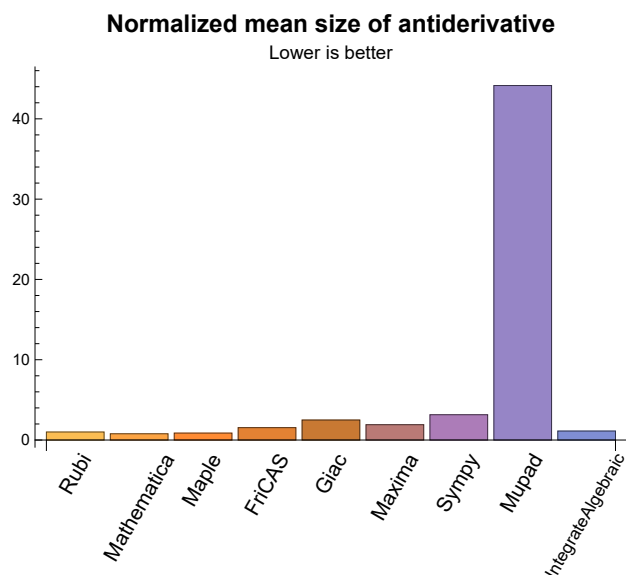
1.3 Performance

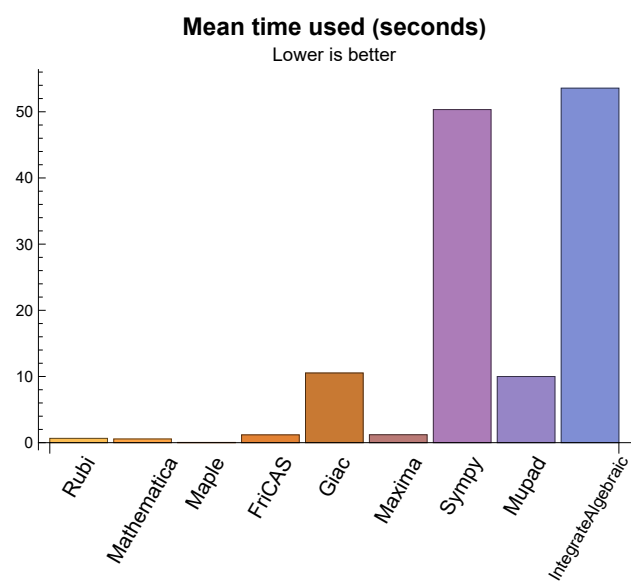
The table below summarizes the performance of each CAS system in terms of CPU time and leaf size of results.

System	Mean time (sec)	Mean size	Normalized mean	Median size	Normalized median
Rubi	0.65	259.00	1.00	70.00	1.00
Mathematica	0.56	75.00	0.78	45.00	0.95
Maple	0.03	83.50	0.87	83.50	0.87
Maxima	1.20	47.50	1.91	47.50	1.91
Fricas	1.18	85.00	1.54	69.00	1.45
Sympy	50.33	63.00	3.15	63.00	3.15
Giac	10.53	97.00	2.49	81.00	2.90
Mupad	10.00	71874.60	44.15	50.00	1.72
IntegrateAlgebraic	53.57	84.00	1.12	84.00	1.12

Table 1.5: Time and leaf size performance for each CAS

The following are bar charts for the normalized leafsize and time used columns from the above table.





1.4 list of integrals that has no closed form antiderivative

{

1.5 list of integrals solved by CAS but has no known antiderivative

Rubi {}

Mathematica {}

Maple {}

Maxima {}

Fricas {}

Sympy {}

Giac {}

Mupad {}

IntegrateAlgebraic {}

1.6 list of integrals solved by CAS but failed verification

The following are integrals solved by CAS but the verification phase failed to verify the anti-derivative produced is correct. This does not mean necessarily that the anti-derivative is wrong, as additional methods of verification might be needed, or more time is needed (3 minutes time limit was used). These integrals are listed here to make it easier to do further investigation to determine why it was not possible to verify the result produced.

Rubi {}

Mathematica {}

IntegrateAlgebraic {}

Maple Verification phase not implemented yet.

Maxima Verification phase not implemented yet.

Fricas Verification phase not implemented yet.

Sympy Verification phase not implemented yet.

Giac Verification phase not implemented yet.

Mupad Verification phase not implemented yet.

1.7 Timing

The command `AbsoluteTiming[]` was used in Mathematica to obtain the elapsed time for each integrate call. In Maple, the command `Usage` was used as in the following example

```
cpu_time := Usage(assign ('result_of _int',int(expr,x)),output='realtime')
```

For all other CAS systems, the elapsed time to complete each integral was found by taking the difference between the time after the call has completed from the time before the call was made. This was done using Python's `time.time()` call.

All elapsed times shown are in seconds. A time limit of 3 minutes was used for each integral. If the integrate command did not complete within this time limit, the integral was aborted and considered to have failed and assigned an F grade. The time used by failed integrals due to time out is not counted in the final statistics.

1.8 Verification

A verification phase was applied on the result of integration for Rubi and Mathematica. Future version of this report will implement verification for the other CAS systems. For the integrals whose result was not run through a verification phase, it is assumed that the antiderivative produced was correct.

Verification phase has 3 minutes time out. An integral whose result was not verified could still be correct. Further investigation is needed on those integrals which failed verifications. Such integrals are marked in the summary table below and also in each integral separate section so they are easy to identify and locate.

1.9 Important notes about some of the results

1.9.1 Important note about Maxima results

Since these integrals are run in a batch mode, using an automated script, and by using sagemath (SageMath uses Maxima), then any integral where Maxima needs an interactive response from the user to answer a question during evaluation of the integral in order to complete the integration, will fail and is counted as failed.

The exception raised is `ValueError`. Therefore Maxima result below is lower than what could result if Maxima was run directly and each question Maxima asks was answered correctly.

The percentage of such failures were not counted for each test file, but for an example, for the Timofeev test file, there were about 14 such integrals out of total 705, or about 2 percent. This percentage can be higher or lower depending on the specific input test file.

Such integrals can be indentified by looking at the output of the integration in each section for Maxima. The exception message will indicate of the error is due to the interactive question being asked or not.

Maxima integrate was run using SageMath with the following settings set by default

```
'besselexpand : true'
'display2d : false'
'domain : complex'
'keepfloat : true'
'load(to_poly_solve)'
'load(simplify_sum)'
'load(abs_integrate)' 'load(diag)'
```

SageMath loading of Maxima `abs_integrate` was found to cause some problem. So the following code was added to disable this effect.

```
from sage.interfaces.maxima_lib import maxima_lib
maxima_lib.set('extra_definite_integration_methods', '[]')
maxima_lib.set('extra_integration_methods', '[]')
```

See <https://ask.sagemath.org/question/43088/integrate-results-that-are-different-from-using-maxima/> for reference.

1.9.2 Important note about FriCAS and Giac/XCAS results

There are Few integrals which failed due to SageMath not able to translate the result back to SageMath syntax and not because these CAS system were not able to do the integrations.

These will fail With error Exception raised: NotImplementedError

The number of such cases seems to be very small. About 1 or 2 percent of all integrals.

Hopefully the next version of SageMath will have complete translation of FriCAS and XCAS syntax and I will re-run all the tests again when this happens.

1.9.3 Important note about finding leaf size of antiderivative

For Mathematica, Rubi and Maple, the builtin system function LeafSize is used to find the leaf size of each antiderivative.

The other CAS systems (SageMath and Sympy) do not have special builtin function for this purpose at this time. Therefore the leaf size for Fricas and Sympy and Giac antiderivatives is determined using the following function, thanks to user slelievre at https://ask.sagemath.org/question/57123/could-we-have-a-leaf_count-function-in-base-sagemath/

```
def tree_size(expr):
    r"""
    Return the tree size of this expression.
    """
    if expr not in SR:
        # deal with lists, tuples, vectors
        return 1 + sum(tree_size(a) for a in expr)
    expr = SR(expr)
    x, aa = expr.operator(), expr.operands()
    if x is None:
        return 1
    else:
        return 1 + sum(tree_size(a) for a in aa)
```

For Sympy, which is called directly from Python, the following code is used to obtain the leafsize of its result

```
try:
    # 1.7 is a fudge factor since it is low side from actual leaf count
    leafCount = round(1.7*count_ops(anti))

except Exception as ee:
    leafCount =1
```

1.9.4 Important note about Mupad results

Matlab's symbolic toolbox does not have a leaf count function to measure the size of the antiderivative, Maple was used to determine the leaf size of Mupad output by post processing.

Currently no grading of the antiderivative for Mupad is implemented. If it can integrate the problem, it was assigned a B grade automatically as a placeholder. In the future, when grading function is implemented for Mupad, the tests will be rerun again.

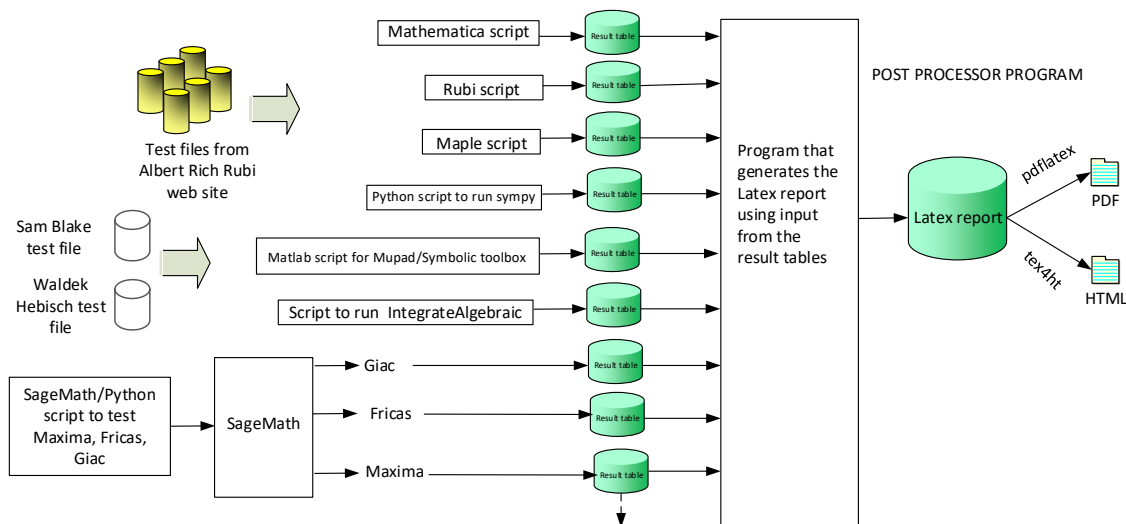
The following is an example of using Matlab's symbolic toolbox (Mupad) to solve an integral

```
integrand = evalin(symengine, 'cos(x)*sin(x)')
the_variable = evalin(symengine, 'x')
anti = int(integrand, the_variable)
```

Which gives $\sin(x) \sim 2/2$

1.10 Design of the test system

The following diagram gives a high level view of the current test build system.



One record (line) per one integral result. The line is CSV comma separated. This is description of each record

1. integer. the problem number.
2. integer. 0 for failed, 1 for passed, -1 for timeout, -2 for CAS specific exception. (this is not the grade field)
3. integer. Leaf size of result.
4. integer. Leaf size of the optimal antiderivative.
5. number. CPU time used to solve this integral. 0 if failed.
6. string. The integral in Latex format
7. string. The input used in CAS own syntax.
8. string. The result (antiderivative) produced by CAS in Latex format
9. string. The optimal antiderivative in Latex format.
10. integer. 0 or 1. Indicates if problem has known antiderivative or not
11. String. The result (antiderivative) in CAS own syntax.
12. String. The grade of the antiderivative. Can be "A", "B", "C", or "F"
The following field present only in Rubi and Mathematica Tables
13. integer. 1 if result was verified or 0 if not verified.
The following fields present only in Rubi Tables
14. integer. Number of rules used.
15. integer. Integrand leaf size.
16. real number. Ratio of field 14 over field 15
17. integer. 1 if result was verified or 0 if not verified.
18. String of form "{n,n,...}" which is list of the rules used by Rubi

High level overview of the CAS independent integration test build system

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May 11, 2021

Chapter 2

detailed summary tables of results

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2.1 List of integrals sorted by grade for each CAS

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2.1.1 Rubi

A grade: { 1,2,3,4,5,6,7,8 }

B grade: { }

C grade: { }

F grade: { }

2.1.2 Mathematica

A grade: { 3,4,5,8 }

B grade: { }

C grade: { 1 }

F grade: { 2,6,7 }

2.1.3 Maple

A grade: { 3 }

B grade: { }

C grade: { 1 }

F grade: { 2,4,5,6,7,8 }

2.1.4 Maxima

A grade: { 3 }

B grade: { 8 }

C grade: { }

F grade: { 1,2,4,5,6,7 }

2.1.5 FriCAS

A grade: { 2,3,4,5,6,7 }

B grade: { 8 }

C grade: { }

F grade: { 1 }

2.1.6 Sympy

A grade: { }

B grade: { 3 }

C grade: { }

F grade: { 1,2,4,5,6,7,8 }

2.1.7 Giac

A grade: { 4 }

B grade: { 3, 6, 8 }

C grade: { }

F grade: { 1, 2, 5, 7 }

2.1.8 Mupad

A grade: { }

B grade: { 1, 3, 4, 6, 8 }

C grade: { }

F grade: { 2, 5, 7 }

2.1.9 IntegrateAlgebraic

A grade: { 2, 6 }

B grade: { }

C grade: { }

F grade: { 1, 3, 4, 5, 7, 8 }

2.2 Detailed conclusion table per each integral for all CAS systems

Detailed conclusion table per each integral is given by table below. The elapsed time is in seconds. For failed result it is given as F(-1) if the failure was due to timeout. It is given as F(-2) if the failure was due to an exception being raised, which could indicate a bug in the system. If the failure was due to integral not being evaluated within the time limit, then it is given just an F.

In this table, the column N.S. in the table below, which stands for **normalized size** is defined as $\frac{\text{antiderivative leaf size}}{\text{optimal antiderivative leaf size}}$. To help make the table fit, Mathematica was abbreviated to MMA and IntegrateAlgebraic to I.A.

Problem 1	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	C	C	F	F(-1)	F(-1)	F(-1)	B	F
verified	N/A	Yes	Yes	TBD	TBD	TBD	TBD	TBD	TBD	Yes
size	1668	1668	223	134	0	0	0	0	359169	0
N.S.	1	1.00	0.13	0.08	0.00	0.00	0.00	0.00	215.33	0.00
time (sec)	N/A	4.008	1.681	0.017	0.000	0.000	0.000	0.000	40.553	0.001
Problem 2	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	F(-1)	F	F	A	F(-1)	F	F	A
verified	N/A	Yes	N/A	TBD	TBD	TBD	TBD	TBD	TBD	N/A
size	75	75	0	0	0	137	0	0	-1	84
N.S.	1	1.00	0.00	0.00	0.00	1.83	0.00	0.00	-0.01	1.12
time (sec)	N/A	0.531	0.000	0.066	0.000	1.103	0.000	0.000	0.000	53.490
Problem 3	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	A	A	A	A	B	B	B	F
verified	N/A	Yes	Yes	TBD	TBD	TBD	TBD	TBD	TBD	Yes
size	20	20	19	33	35	35	63	66	35	0
N.S.	1	1.00	0.95	1.65	1.75	1.75	3.15	3.30	1.75	0.00
time (sec)	N/A	0.024	0.333	0.051	1.219	1.174	50.333	0.841	2.181	0.214
Problem 4	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	A	F	F	A	F(-1)	A	B	F
verified	N/A	Yes	Yes	TBD	TBD	TBD	TBD	TBD	TBD	Yes
size	45	45	45	0	0	48	0	39	39	0
N.S.	1	1.00	1.00	0.00	0.00	1.07	0.00	0.87	0.87	0.00
time (sec)	N/A	0.079	0.214	0.095	0.000	1.089	0.000	35.009	2.557	0.705
Problem 5	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	A	F	F	A	F(-1)	F	F	F
verified	N/A	Yes	Yes	TBD	TBD	TBD	TBD	TBD	TBD	Yes
size	65	65	64	0	0	69	0	0	-1	0
N.S.	1	1.00	0.98	0.00	0.00	1.06	0.00	0.00	-0.02	0.00
time (sec)	N/A	0.156	0.144	0.089	0.000	1.373	0.000	0.000	0.000	1.461

Problem 6	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	F(-1)	F	F	A	F(-1)	B	B	A
verified	N/A	Yes	N/A	TBD	TBD	TBD	TBD	TBD	TBD	N/A
size	75	75	0	0	0	109	0	187	80	84
N.S.	1	1.00	0.00	0.00	0.00	1.45	0.00	2.49	1.07	1.12
time (sec)	N/A	0.108	0.000	0.029	0.000	1.171	0.000	4.721	2.454	53.643
Problem 7	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	F(-1)	F	F	A	F(-1)	F	F	F
verified	N/A	Yes	N/A	TBD	TBD	TBD	TBD	TBD	TBD	N/A
size	95	95	0	0	0	132	0	0	-1	0
N.S.	1	1.00	0.00	0.00	0.00	1.39	0.00	0.00	-0.01	0.00
time (sec)	N/A	0.217	0.000	0.025	0.000	1.299	0.000	0.000	0.000	120.661
Problem 8	Optimal	Rubi	MMA	Maple	Maxima	Fricas	Sympy	Giac	Mupad	I.A.
grade	A	A	A	F	B	B	F(-1)	B	B	F
verified	N/A	Yes	Yes	TBD	TBD	TBD	TBD	TBD	TBD	Yes
size	29	29	24	0	60	65	0	96	50	0
N.S.	1	1.00	0.83	0.00	2.07	2.24	0.00	3.31	1.72	0.00
time (sec)	N/A	0.071	0.434	0.058	1.181	1.054	0.000	1.555	2.245	0.785

2.3 Detailed conclusion table specific for Rubi results

The following table is specific to Rubi. It gives additional statistics for each integral. the column **steps** is the number of steps used by Rubi to obtain the antiderivative. The **rules** column is the number of unique rules used. The **integrand size** column is the leaf size of the integrand. Finally the ratio $\frac{\text{number of rules}}{\text{integrand size}}$ is given. The larger this ratio is, the harder the integral was to solve. In this test, problem number [1] had the largest ratio of [.2909]

Table 2.1: Rubi specific breakdown of results for each integral

#	grade	number of steps used	number of unique rules	normalized antiderivative leaf size	integrand leaf size	$\frac{\text{number of rules}}{\text{integrand leaf size}}$
1	A	37	16	1.00	55	0.291
2	A	2	2	1.00	63	0.032
3	A	1	1	1.00	45	0.022
4	A	1	1	1.00	52	0.019
5	A	2	2	1.00	54	0.037
6	A	1	1	1.00	61	0.016
7	A	2	2	1.00	63	0.032
8	A	1	1	1.00	56	0.018

Chapter 3

Listing of integrals

Local contents

3.1	$\int \frac{d+ex+fx^2+gx^3+hx^4+jx^5+kx^6+lx^7+mx^8}{a+bx^3+cx^6} dx$	26
3.2	$\int \frac{-ahx^{-1+\frac{n}{2}}+cfx^{-1+n}+cgx^{-1+2n}+chx^{-1+\frac{5n}{2}}}{(a+bx^n+cx^{2n})^{3/2}} dx$	161
3.3	$\int (a+bx^n+cx^{2n})^p (a+b(1+n+np)x^n+c(1+2n(1+p))x^{2n}) dx$	164
3.4	$\int \frac{x^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx$	166
3.5	$\int \frac{(dx)^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx$	169
3.6	$\int \frac{x^{-1+\frac{n}{2}}(-ah+cfx^{n/2}+cgx^{3n/2}+chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx$	172
3.7	$\int \frac{(dx)^{-1+\frac{n}{2}}(-ah+cfx^{n/2}+cgx^{3n/2}+chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx$	175
3.8	$\int (gx)^m (a+bx^n+cx^{2n})^p (a(1+m)+b(1+m+n+np)x^n+c(1+m+2n(1+p))x^{2n}) dx$	178

$$3.1 \quad \int \frac{d+ex+fx^2+gx^3+hx^4+jx^5+kx^6+lx^7+mx^8}{a+bx^3+cx^6} dx$$

Optimal. Leaf size=1668

$$\frac{mx^3}{3c} + \frac{lx^2}{2c} + \frac{kx}{c} - \frac{\left(g - \frac{bk}{c} + \frac{kb^2+2c^2d-c(bg+2ak)}{c\sqrt{b^2-4ac}}\right) \tan^{-1}\left(\frac{1 - \frac{2\sqrt[3]{2}\sqrt[3]{c}x}{\sqrt{b-\sqrt{b^2-4ac}}}}{\sqrt{3}}\right) \left(h - \frac{bl}{c} + \frac{lb^2+2c^2e-c(bh+2al)}{c\sqrt{b^2-4ac}}\right) \tan^{-1}\left(\frac{1 - \frac{2\sqrt[3]{2}\sqrt[3]{c}x}{\sqrt{b-\sqrt{b^2-4ac}}}}{\sqrt{3}}\right)}{\sqrt[3]{2}\sqrt{3}\sqrt[3]{c}\left(b - \sqrt{b^2-4ac}\right)^{2/3} \quad 2^{2/3}\sqrt{3}c^{2/3}\sqrt[3]{b - \sqrt{b^2-4ac}}}$$

Rubi [A] time = 4.01, antiderivative size = 1668, normalized size of antiderivative = 1.00, number of steps used = 37, number of rules used = 16, integrand size = 55, $\frac{\text{number of rules}}{\text{integrand size}} = 0.291$, Rules used = {1790, 1789, 1422, 200, 31, 634, 617, 204, 628, 1758, 1510, 292, 1745, 1657, 618, 206}

result too large to display

Antiderivative was successfully verified.

[In] Int[(d + e*x + f*x^2 + g*x^3 + h*x^4 + j*x^5 + k*x^6 + l*x^7 + m*x^8)/(a + b*x^3 + c*x^6), x]

[Out] (k*x)/c + (1*x^2)/(2*c) + (m*x^3)/(3*c) - ((g - (b*k)/c + (2*c^2*d + b^2*k - c*(b*g + 2*a*k))/(c*Sqrt[b^2 - 4*a*c]))*ArcTan[(1 - (2*2^(1/3)*c^(1/3)*x)/(b - Sqrt[b^2 - 4*a*c])^(1/3))/Sqrt[3]])/(2^(1/3)*Sqrt[3]*c^(1/3)*(b - Sqrt[b^2 - 4*a*c])^(2/3)) - ((h - (b*l)/c + (2*c^2*e + b^2*l - c*(b*h + 2*a*l))/(c*Sqrt[b^2 - 4*a*c]))*ArcTan[(1 - (2*2^(1/3)*c^(1/3)*x)/(b - Sqrt[b^2 - 4*a*c])^(1/3))/Sqrt[3]])/(2^(2/3)*Sqrt[3]*c^(2/3)*(b - Sqrt[b^2 - 4*a*c])^(1/3)) - ((g - (b*k)/c - (2*c^2*d - b*c*g + b^2*k - 2*a*c*k)/(c*Sqrt[b^2 - 4*a*c]))*ArcTan[(1 - (2*2^(1/3)*c^(1/3)*x)/(b + Sqrt[b^2 - 4*a*c])^(1/3))/Sqrt[3]])/(2^(1/3)*Sqrt[3]*c^(1/3)*(b + Sqrt[b^2 - 4*a*c])^(2/3)) - ((h - (b*l)/c - (2*c^2*e - b*c*h + b^2*l - 2*a*c*l)/(c*Sqrt[b^2 - 4*a*c]))*ArcTan[(1 - (2*2^(1/3)*c^(1/3)*x)/(b + Sqrt[b^2 - 4*a*c])^(1/3))/Sqrt[3]])/(2^(2/3)*Sqrt[3]*c^(2/3)*(b + Sqrt[b^2 - 4*a*c])^(1/3)) - ((2*c^2*f - b*c*j + b^2*m - 2*a*c*m)*ArcTanh[(b + 2*c*x^3)/Sqrt[b^2 - 4*a*c]])/(3*c^2*Sqrt[b^2 - 4*a*c]) + ((g - (b*k)/c + (2*c^2*d + b^2*k - c*(b*g + 2*a*k))/(c*Sqrt[b^2 - 4*a*c]))*Log[(b - Sqrt[b^2 - 4*a*c])^(1/3) + 2^(1/3)*c^(1/3)*x]/(3*2^(1/3)*c^(1/3)*(b - Sqrt[b^2 - 4*a*c])^(2/3)) - ((h - (b*l)/c + (2*c^2*e + b^2*l - c*(b*h + 2*a*l))/(c*Sqrt[b^2 - 4*a*c]))*Log[(b - Sqrt[b^2 - 4*a*c])^(1/3) + 2^(1/3)*c^(1/3)*x]/(3*2^(2/3)*c^(2/3)*(b - Sqrt[b^2 - 4*a*c])^(1/3)) + ((g - (b*k)/c - (2*c^2*d - b*c*g + b^2*k - 2*a*c*k)/(c*Sqrt[b^2 - 4*a*c]))*Log[(b + Sqrt[b^2 - 4*a*c])^(1/3) + 2^(1/3)*c^(1/3)*x]/(3*2^(1/3)*c^(1/3)*(b + Sqrt[b^2 - 4*a*c])^(2/3)) - ((h - (b*l)/c - (2*c^2*e - b*c*h + b^2*l - 2*a*c*l)/(c*Sqrt[b^2 - 4*a*c]))*Log[(b + Sqrt[b^2 - 4*a*c])^(1/3) + 2^(1/3)*c^(1/3)*x]/(3*2^(2/3)*c^(2/3)*(b + Sqrt[b^2 - 4*a*c])^(1/3)) - ((g - (b*k)/c + (2*c^2*d + b^2*k - c*(b*g + 2*a*k))/(c*Sqrt[b^2 - 4*a*c]))*Log[(b - Sqrt[b^2 - 4*a*c])^(2/3) - 2^(1/3)*c^(1/3)*(b - Sqrt[b^2 - 4*a*c])^(1/3)*x + 2^(2/3)*c^(2/3)*x^2]/(6*2^(1/3)*c^(1/3)*(b - Sqrt[b^2 - 4*a*c])^(2/3)) + ((h - (b*l)/c + (2*c^2*e + b^2*l - c*(b*h + 2*a*l))/(c*Sqrt[b^2 - 4*a*c]))*Log[(b - Sqrt[b^2 - 4*a*c])^(2/3) - 2^(1/3)*c^(1/3)*(b - Sqrt[b^2 - 4*a*c])^(1/3)*x + 2^(2/3)*c^(2/3)*x^2]/(6*2^(2/3)*c^(2/3)*(b - Sqrt[b^2 - 4*a*c])^(1/3)) - ((g - (b*k)/c - (2*c^2*d - b*c*g + b^2*k - 2*a*c*k)/(c*Sqrt[b^2 - 4*a*c]))*Log[(b + Sqrt[b^2 - 4*a*c])^(2/3) - 2^(1/3)*c^(1/3)*(b + Sqrt[b^2 - 4*a*c])^(1/3)*x + 2^(2/3)*c^(2/3)*x^2]/(6*2^(1/3)*c^(1/3)*(b + Sqrt[b^2 - 4*a*c])^(2/3)) + ((h - (b*l)/c - (2*c^2*e - b*c*h + b^2*l - 2*a*c*l)/(c*Sqrt[b^2 - 4*a*c]))*Log[(b + Sqrt[b^2 - 4*a*c])^(2/3) - 2^(1/3)*c^(1/3)*(b + Sqrt[b^2 - 4*a*c])^(1/3)*x + 2^(2/3)*c^(2/3)*x^2]/(6*2^(2/3)*c^(2/3)*(b + Sqrt[b^2 - 4*a*c])^(1/3)) + ((c*j - b*m)*Log[a + b*x^3 + c*x^6])/(6*c^2)

Rule 31

$\text{Int}[(a_ + (b_ \cdot x))^{-1}, x_Symbol] \rightarrow \text{Simp}[\text{Log}[\text{RemoveContent}[a + b \cdot x, x]]/b, x] /; \text{FreeQ}\{a, b\}, x]$

Rule 200

$\text{Int}[(a_ + (b_ \cdot x)^3)^{-1}, x_Symbol] \rightarrow \text{Dist}[1/(3 \cdot \text{Rt}[a, 3]^2), \text{Int}[1/(\text{Rt}[a, 3] + \text{Rt}[b, 3] \cdot x), x], x] + \text{Dist}[1/(3 \cdot \text{Rt}[a, 3]^2), \text{Int}[(2 \cdot \text{Rt}[a, 3] - \text{Rt}[b, 3] \cdot x)/(\text{Rt}[a, 3]^2 - \text{Rt}[a, 3] \cdot \text{Rt}[b, 3] \cdot x + \text{Rt}[b, 3]^2 \cdot x^2), x], x] /; \text{FreeQ}\{a, b\}, x]$

Rule 204

$\text{Int}[(a_ + (b_ \cdot x)^2)^{-1}, x_Symbol] \rightarrow -\text{Simp}[\text{ArcTan}[(\text{Rt}[-b, 2] \cdot x)/\text{Rt}[-a, 2]]/(\text{Rt}[-a, 2] \cdot \text{Rt}[-b, 2]), x] /; \text{FreeQ}\{a, b\}, x \ \&\& \ \text{PosQ}[a/b] \ \&\& \ (\text{LtQ}[a, 0] \ || \ \text{LtQ}[b, 0])]$

Rule 206

$\text{Int}[(a_ + (b_ \cdot x)^2)^{-1}, x_Symbol] \rightarrow \text{Simp}[(1 \cdot \text{ArcTanh}[(\text{Rt}[-b, 2] \cdot x)/\text{Rt}[a, 2]])/(\text{Rt}[a, 2] \cdot \text{Rt}[-b, 2]), x] /; \text{FreeQ}\{a, b\}, x \ \&\& \ \text{NegQ}[a/b] \ \&\& \ (\text{GtQ}[a, 0] \ || \ \text{LtQ}[b, 0])]$

Rule 292

$\text{Int}[x/((a_ + (b_ \cdot x)^3), x_Symbol] \rightarrow -\text{Dist}[(3 \cdot \text{Rt}[a, 3] \cdot \text{Rt}[b, 3])^{-1}, \text{Int}[1/(\text{Rt}[a, 3] + \text{Rt}[b, 3] \cdot x), x], x] + \text{Dist}[1/(3 \cdot \text{Rt}[a, 3] \cdot \text{Rt}[b, 3]), \text{Int}[(\text{Rt}[a, 3] + \text{Rt}[b, 3] \cdot x)/(\text{Rt}[a, 3]^2 - \text{Rt}[a, 3] \cdot \text{Rt}[b, 3] \cdot x + \text{Rt}[b, 3]^2 \cdot x^2), x], x] /; \text{FreeQ}\{a, b\}, x]$

Rule 617

$\text{Int}[(a_ + (b_ \cdot x) + (c_ \cdot x)^2)^{-1}, x_Symbol] \rightarrow \text{With}\{q = 1 - 4 \cdot \text{Simplify}[(a \cdot c)/b^2]\}, \text{Dist}[-2/b, \text{Subst}[\text{Int}[1/(q - x^2), x], x, 1 + (2 \cdot c \cdot x)/b], x] /; \text{RationalQ}[q] \ \&\& \ (\text{EqQ}[q^2, 1] \ || \ !\text{RationalQ}[b^2 - 4 \cdot a \cdot c]) /; \text{FreeQ}\{a, b, c\}, x \ \&\& \ \text{NeQ}[b^2 - 4 \cdot a \cdot c, 0]$

Rule 618

$\text{Int}[(a_ + (b_ \cdot x) + (c_ \cdot x)^2)^{-1}, x_Symbol] \rightarrow \text{Dist}[-2, \text{Subst}[\text{Int}[1/\text{Simp}[b^2 - 4 \cdot a \cdot c - x^2, x], x], x, b + 2 \cdot c \cdot x], x] /; \text{FreeQ}\{a, b, c\}, x \ \&\& \ \text{NeQ}[b^2 - 4 \cdot a \cdot c, 0]$

Rule 628

$\text{Int}[(d_ + (e_ \cdot x))/((a_ + (b_ \cdot x) + (c_ \cdot x)^2), x_Symbol] \rightarrow \text{Simp}[(d \cdot \text{Log}[\text{RemoveContent}[a + b \cdot x + c \cdot x^2, x]])/b, x] /; \text{FreeQ}\{a, b, c, d, e\}, x \ \&\& \ \text{EqQ}[2 \cdot c \cdot d - b \cdot e, 0]$

Rule 634

$\text{Int}[(d_ + (e_ \cdot x))/((a_ + (b_ \cdot x) + (c_ \cdot x)^2), x_Symbol] \rightarrow \text{Dist}[(2 \cdot c \cdot d - b \cdot e)/(2 \cdot c), \text{Int}[1/(a + b \cdot x + c \cdot x^2), x], x] + \text{Dist}[e/(2 \cdot c), \text{Int}[(b + 2 \cdot c \cdot x)/(a + b \cdot x + c \cdot x^2), x], x] /; \text{FreeQ}\{a, b, c, d, e\}, x \ \&\& \ \text{NeQ}[2 \cdot c \cdot d - b \cdot e, 0] \ \&\& \ \text{NeQ}[b^2 - 4 \cdot a \cdot c, 0] \ \&\& \ !\text{NiceSqrtQ}[b^2 - 4 \cdot a \cdot c]$

Rule 1422

$\text{Int}[(d_ + (e_ \cdot x)^{n_})/((a_ + (b_ \cdot x)^{n_} + (c_ \cdot x)^{n_2}), x_Symbol] \rightarrow \text{With}\{q = \text{Rt}[b^2 - 4 \cdot a \cdot c, 2]\}, \text{Dist}[e/2 + (2 \cdot c \cdot d - b \cdot e)/(2 \cdot q),$

```
Int[1/(b/2 - q/2 + c*x^n), x], x] + Dist[e/2 - (2*c*d - b*e)/(2*q), Int[1/(
b/2 + q/2 + c*x^n), x], x]] /; FreeQ[{a, b, c, d, e, n}, x] && EqQ[n2, 2*n]
&& NeQ[b^2 - 4*a*c, 0] && NeQ[c*d^2 - b*d*e + a*e^2, 0] && (PosQ[b^2 - 4*a
*c] || !IGtQ[n/2, 0])
```

Rule 1510

```
Int[(((f._)*(x._))^(m._)*((d._) + (e._)*(x._)^(n._)))/((a._) + (b._)*(x._)^(n._) +
(c._)*(x._)^(n2._)), x_Symbol] := With[{q = Rt[b^2 - 4*a*c, 2]}, Dist[e/2 +
(2*c*d - b*e)/(2*q), Int[(f*x)^m/(b/2 - q/2 + c*x^n), x], x] + Dist[e/2 - (
2*c*d - b*e)/(2*q), Int[(f*x)^m/(b/2 + q/2 + c*x^n), x], x]] /; FreeQ[{a, b
, c, d, e, f, m}, x] && EqQ[n2, 2*n] && NeQ[b^2 - 4*a*c, 0] && IGtQ[n, 0]
```

Rule 1657

```
Int[(Pq_)*((a_) + (b_)*(x_) + (c_)*(x_)^2)^(p_), x_Symbol] := Int[Expand
Integrand[Pq*(a + b*x + c*x^2)^p, x], x] /; FreeQ[{a, b, c}, x] && PolyQ[Pq
, x] && IGtQ[p, -2]
```

Rule 1745

```
Int[(Pq_)*(x_)^(m._)*((a_) + (c_)*(x_)^(n2._) + (b_)*(x_)^(n._))^(p_), x_
Symbol] := Dist[1/n, Subst[Int[SubstFor[x^n, Pq, x]*(a + b*x + c*x^2)^p, x]
, x, x^n], x] /; FreeQ[{a, b, c, m, n, p}, x] && EqQ[n2, 2*n] && PolyQ[Pq,
x^n] && EqQ[Simplify[m - n + 1], 0]
```

Rule 1758

```
Int[(Pq_)*((d._)*(x_)^(m._)*((a_) + (b_)*(x_)^(n._) + (c_)*(x_)^(n2._))^(
p_), x_Symbol] := With[{q = Expon[Pq, x]}, With[{Pqq = Coeff[Pq, x, q]}, In
t[(d*x)^m*ExpandToSum[Pq - Pqq*x^q - (Pqq*(a*(m + q - 2*n + 1)*x^(q - 2*n)
+ b*(m + q + n*(p - 1) + 1)*x^(q - n)))/(c*(m + q + 2*n*p + 1)), x]*(a + b*
x^n + c*x^(2*n))^p, x] + Simp[(Pqq*(d*x)^(m + q - 2*n + 1)*(a + b*x^n + c*x
^(2*n))^p)/(c*d^(q - 2*n + 1)*(m + q + 2*n*p + 1)), x]] /; GeQ[q, 2*n
] && NeQ[m + q + 2*n*p + 1, 0] && (IntegerQ[2*p] || (EqQ[n, 1] && IntegerQ[
4*p]) || IntegerQ[p + (q + 1)/(2*n)])] /; FreeQ[{a, b, c, d, m, p}, x] && E
qQ[n2, 2*n] && PolyQ[Pq, x^n] && NeQ[b^2 - 4*a*c, 0] && IGtQ[n, 0]
```

Rule 1789

```
Int[(Pq_)*((a_) + (b_)*(x_)^(n._) + (c_)*(x_)^(n2._))^(p_), x_Symbol] := W
ith[{q = Expon[Pq, x]}, With[{Pqq = Coeff[Pq, x, q]}, Int[ExpandToSum[Pq -
Pqq*x^q - (Pqq*(a*(q - 2*n + 1)*x^(q - 2*n) + b*(q + n*(p - 1) + 1)*x^(q -
n)))/(c*(q + 2*n*p + 1)), x]*(a + b*x^n + c*x^(2*n))^p, x] + Simp[(Pqq*x^(q
- 2*n + 1)*(a + b*x^n + c*x^(2*n))^p)/(c*(q + 2*n*p + 1)), x]] /; Ge
Q[q, 2*n] && NeQ[q + 2*n*p + 1, 0] && (IntegerQ[2*p] || (EqQ[n, 1] && Integ
erQ[4*p]) || IntegerQ[p + (q + 1)/(2*n)])] /; FreeQ[{a, b, c, p}, x] && EqQ
[n2, 2*n] && PolyQ[Pq, x^n] && NeQ[b^2 - 4*a*c, 0] && IGtQ[n, 0]
```

Rule 1790

```
Int[(Pq_)*((a_) + (b_)*(x_)^(n_) + (c_)*(x_)^(n2._))^(p_), x_Symbol] := Mo
dule[{q = Expon[Pq, x], j, k}, Int[Sum[x^j*Sum[Coeff[Pq, x, j + k*n]*x^(k*n
), {k, 0, (q - j)/n + 1}]*(a + b*x^n + c*x^(2*n))^p, {j, 0, n - 1}], x]] /;
FreeQ[{a, b, c, p}, x] && EqQ[n2, 2*n] && PolyQ[Pq, x] && NeQ[b^2 - 4*a*c,
0] && IGtQ[n, 0] && !PolyQ[Pq, x^n]
```

Rubi steps

$$\begin{aligned}
\int \frac{d + ex + fx^2 + gx^3 + hx^4 + jx^5 + kx^6 + lx^7 + mx^8}{a + bx^3 + cx^6} dx &= \int \left(\frac{d + gx^3 + kx^6}{a + bx^3 + cx^6} + \frac{x(e + hx^3 + lx^6)}{a + bx^3 + cx^6} + \frac{x^2(f + jx^3 + mx^6)}{a + bx^3 + cx^6} \right) dx \\
&= \int \frac{d + gx^3 + kx^6}{a + bx^3 + cx^6} dx + \int \frac{x(e + hx^3 + lx^6)}{a + bx^3 + cx^6} dx + \int \frac{x^2(f + jx^3 + mx^6)}{a + bx^3 + cx^6} dx \\
&= \frac{kx}{c} + \frac{lx^2}{2c} + \frac{1}{3} \text{Subst} \left(\int \frac{f + jx + mx^2}{a + bx + cx^2} dx, x, x^3 \right) + \\
&= \frac{kx}{c} + \frac{lx^2}{2c} + \frac{1}{3} \text{Subst} \left(\int \left(\frac{m}{c} + \frac{cf - am + (cj - bm)x}{c(a + bx + cx^2)} \right) dx, x, x^3 \right) \\
&= \frac{kx}{c} + \frac{lx^2}{2c} + \frac{mx^3}{3c} + \frac{\text{Subst} \left(\int \frac{cf - am + (cj - bm)x}{a + bx + cx^2} dx, x, x^3 \right)}{3c} \\
&= \frac{kx}{c} + \frac{lx^2}{2c} + \frac{mx^3}{3c} + \frac{\left(g - \frac{bk}{c} + \frac{2c^2d + b^2k - c(bg + 2ak)}{c\sqrt{b^2 - 4ac}} \right) \log \left(\frac{b - \sqrt{b^2 - 4ac}}{2\sqrt{2}\sqrt{3}\sqrt{c}} \right)}{3\sqrt{2}\sqrt{3}\sqrt{c}} \\
&= \frac{kx}{c} + \frac{lx^2}{2c} + \frac{mx^3}{3c} + \frac{\left(g - \frac{bk}{c} + \frac{2c^2d + b^2k - c(bg + 2ak)}{c\sqrt{b^2 - 4ac}} \right) \log \left(\frac{b - \sqrt{b^2 - 4ac}}{2\sqrt{2}\sqrt{3}\sqrt{c}} \right)}{3\sqrt{2}\sqrt{3}\sqrt{c}} \\
&= \frac{kx}{c} + \frac{lx^2}{2c} + \frac{mx^3}{3c} - \frac{\left(g - \frac{bk}{c} + \frac{2c^2d + b^2k - c(bg + 2ak)}{c\sqrt{b^2 - 4ac}} \right) \tan^{-1} \left(\frac{b - \sqrt{b^2 - 4ac}}{2\sqrt{2}\sqrt{3}\sqrt{c}} \right)}{3\sqrt{2}\sqrt{3}\sqrt{c}}
\end{aligned}$$

Mathematica [C] time = 1.68, size = 223, normalized size = 0.13

$$\frac{-2\text{RootSum}\left[\#1^6c + \#1^3b + a\&, \frac{\#1^3bm \log(x - \#1) + \#1^5(-c)j \log(x - \#1) + \#1^4bl \log(x - \#1) - \#1^4dl \log(x - \#1) + \#1^3bk \log(x - \#1) - \#1^3cg \log(x - \#1) + \#1^2am \log(x - \#1) - \#1^2cf \log(x - \#1) + ak \log(x - \#1) + \#1al \log(x - \#1) - cd \log(x - \#1) - \#1cl \log(x - \#1)}{2\#1^5c + \#1^2b}\right] + 6kx + 3lx^2 + 2mx^3}{6c}$$

Antiderivative was successfully verified.

[In] Integrate[(d + e*x + f*x^2 + g*x^3 + h*x^4 + j*x^5 + k*x^6 + l*x^7 + m*x^8)/(a + b*x^3 + c*x^6), x]

[Out] (6*k*x + 3*l*x^2 + 2*m*x^3 - 2*RootSum[a + b*#1^3 + c*#1^6 & , (-c*d*Log[x - #1]) + a*k*Log[x - #1] - c*e*Log[x - #1]*#1 + a*l*Log[x - #1]*#1 - c*f*L
og[x - #1]*#1^2 + a*m*Log[x - #1]*#1^2 - c*g*Log[x - #1]*#1^3 + b*k*Log[x - #1]*#1^3 - c*h*Log[x - #1]*#1^4 + b*l*Log[x - #1]*#1^4 - c*j*Log[x - #1]*#1^5 + b*m*Log[x - #1]*#1^5)/(b*#1^2 + 2*c*#1^5) &])/(6*c)

IntegrateAlgebraic [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{d + ex + fx^2 + gx^3 + hx^4 + jx^5 + kx^6 + lx^7 + mx^8}{a + bx^3 + cx^6} dx$$

Verification is not applicable to the result.

[In] IntegrateAlgebraic[(d + e*x + f*x^2 + g*x^3 + h*x^4 + j*x^5 + k*x^6 + l*x^7 + m*x^8)/(a + b*x^3 + c*x^6), x]

[Out] IntegrateAlgebraic[(d + e*x + f*x^2 + g*x^3 + h*x^4 + j*x^5 + k*x^6 + l*x^7 + m*x^8)/(a + b*x^3 + c*x^6), x]

fricas [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((m*x^8+l*x^7+k*x^6+j*x^5+h*x^4+g*x^3+f*x^2+e*x+d)/(c*x^6+b*x^3+a), x, algorithm="fricas")

[Out] Timed out

giac [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((m*x^8+l*x^7+k*x^6+j*x^5+h*x^4+g*x^3+f*x^2+e*x+d)/(c*x^6+b*x^3+a), x, algorithm="giac")

[Out] Timed out

maple [C] time = 0.02, size = 134, normalized size = 0.08

$$\frac{mx^3}{3c} + \frac{lx^2}{2c} + \frac{kx}{c} + \frac{\left((-bm+cf)\text{RootOf}(_Z^2c+_Z^2b+a)^5 + (-bl+ch)\text{RootOf}(_Z^2c+_Z^2b+a)^4 + (-bk+cg)\text{RootOf}(_Z^2c+_Z^2b+a)^3 + (-am+cf)\text{RootOf}(_Z^2c+_Z^2b+a)^2 - ak+cd+(-al+ce)\text{RootOf}(_Z^2c+_Z^2b+a) \right) \ln(-\text{RootOf}(_Z^2c+_Z^2b+a)+x)}{3c\left(2\text{RootOf}(_Z^2c+_Z^2b+a)^5c+\text{RootOf}(_Z^2c+_Z^2b+a)^2b\right)}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int((m*x^8+l*x^7+k*x^6+j*x^5+h*x^4+g*x^3+f*x^2+e*x+d)/(c*x^6+b*x^3+a), x)

[Out] $\frac{1}{3}m*x^3/c + \frac{1}{2}l*x^2/c + k*x/c + \frac{1}{3}c*\text{sum}(\left((-b*m+c*j)*_R^5 + (-b*1+c*h)*_R^4 + (-b*k+c*g)*_R^3 + (-a*m+c*f)*_R^2 + (-a*1+c*e)*_R - a*k+c*d \right) / (2*_R^5*c + _R^2*b) * \ln(-_R+x), _R=\text{RootOf}(_Z^6*c + _Z^3*b+a))$

maxima [F] time = 0.00, size = 0, normalized size = 0.00

$$\frac{2mx^3 + 3lx^2 + 6kx}{6c} - \int \frac{(cj-bm)x^5 + (ch-bl)x^4 + (cg-bk)x^3 + (cf-am)x^2 + cd-ak+(ce-al)x}{cx^6+bx^3+a} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((m*x^8+l*x^7+k*x^6+j*x^5+h*x^4+g*x^3+f*x^2+e*x+d)/(c*x^6+b*x^3+a), x, algorithm="maxima")

[Out] $\frac{1}{6}*(2*m*x^3 + 3*l*x^2 + 6*k*x)/c - \text{integrate}(-((c*j - b*m)*x^5 + (c*h - b*1)*x^4 + (c*g - b*k)*x^3 + (c*f - a*m)*x^2 + c*d - a*k + (c*e - a*1)*x)/(c*x^6 + b*x^3 + a), x)/c$

mupad [B] time = 40.55, size = 359169, normalized size = 215.33

result too large to display

Verification of antiderivative is not currently implemented for this CAS.

[In] int((d + e*x + f*x^2 + g*x^3 + h*x^4 + j*x^5 + k*x^6 + l*x^7 + m*x^8)/(a + b*x^3 + c*x^6), x)

[Out] $\text{symsum}(\log((x*(c^7*e^5 + c^7*d^4*j - a^5*c^2*1^5 - b^7*e^2*m^3 - a^2*b*c^4*h^5 - a*c^6*e^2*g^3 - b*c^6*e^2*f^3 + 2*a*c^6*e^3*h^2 + b*c^6*d^3*h^2 + a^2$

$$\begin{aligned}
& *c^5*e*h^4 + a^4*b^2*c^1^5 + 3*c^7*d^2*e*f^2 + 3*c^7*d^2*e^2*g + a^2*b^5*d* \\
& m^4 - a^2*c^5*g^4*j + a^3*c^4*g*j^4 + 5*a^4*c^3*e^1^4 + 3*b^2*c^5*e^4*1 + b \\
& ^6*c*e^2*1^3 - a^3*b^4*g*m^4 - a^3*c^4*h^4*1 - a^5*c^2*g*m^4 + a^4*c^3*j*k^ \\
& 4 + a^4*b^3*k*m^4 + b^2*c^5*e^2*g^3 + 3*b^2*c^5*e^3*h^2 - b^3*c^4*e^2*h^3 + \\
& a^2*c^5*e^2*j^3 + a^2*c^5*g^3*h^2 + b^4*c^3*e^2*j^3 + 10*a^2*c^5*e^3*1^2 - \\
& 10*a^3*c^4*e^2*1^3 + b^3*c^4*d^3*1^2 - b^5*c^2*e^2*k^3 - a^3*c^4*h^2*j^3 + \\
& 3*b^4*c^3*e^3*1^2 - a^3*c^4*g^3*1^2 - a^2*b^5*h^2*m^3 - 2*a^4*c^3*h^2*1^3 \\
& + a^4*c^3*j^3*1^2 - a^4*b^3*1^2*m^3 + b*c^6*d*f^4 - a*c^6*f^4*g - 3*b*c^6*e \\
& ^4*h - 4*c^7*d*e^3*f - 2*c^7*d^3*e*h - 2*c^7*d^3*f*g - 5*a*c^6*e^4*1 - b*c^ \\
& 6*d^4*m + b^7*d*f*m^3 + a*b*c^5*f*g^4 - 2*a*c^6*d*f*g^3 + 2*a*c^6*e*f^3*h + \\
& 3*b*c^6*e^3*f*g + 2*a*c^6*d*f^3*j + 3*b*c^6*d*e^3*j + 4*a*c^6*d*e^3*m + 4* \\
& a*c^6*e^3*f*k + 4*a*c^6*e^3*g*j + 2*b*c^6*d^3*e*1 + 2*b*c^6*d^3*f*k - b*c^6 \\
& *d^3*g*j - b^6*c*d*f*1^3 + 2*a*c^6*d^3*g*m + 2*a*c^6*d^3*h*1 + 2*a*b^6*e*h* \\
& m^3 - a*b^6*f*g*m^3 - 4*a*c^6*d^3*j*k - a*b^6*d*j*m^3 - 2*a^5*b*c*k*m^4 + 1 \\
& 2*a^2*b^2*c^3*e^2*1^3 + a^2*b^2*c^3*h^2*j^3 - 10*a^2*b^3*c^2*e^2*m^3 - a^2*b \\
& ^3*c^2*h^2*k^3 - 3*a^2*b^3*c^2*h^3*1^2 + 3*a^3*b^2*c^2*h^2*1^3 - 4*a*b*c^5 \\
& *e^2*h^3 + 2*a*b^2*c^4*e*h^4 + a*b^3*c^3*d*j^4 - 2*a^2*b*c^4*d*j^4 - 3*b*c^ \\
& 6*d*e^2*g^2 - 2*a*b*c^5*d^3*1^2 + 3*a*c^6*e*f^2*g^2 + 3*b*c^6*d^2*f*g^2 - b \\
& ^2*c^5*d*f*g^3 + 3*a*c^6*d^2*e*j^2 - 3*a*c^6*d^2*g*h^2 - 3*b*c^6*d^2*f^2*h \\
& + 2*a^2*b^4*c*e^1^4 - 2*a^3*b*c^3*f*k^4 - 4*a^3*b^3*c*d*m^4 + 3*a^4*b*c^2*d \\
& *m^4 + b^3*c^4*d*f*h^3 + 6*a*b^5*c*e^2*m^3 + 2*a^2*c^5*d*f*j^3 - 3*a*c^6*e^ \\
& 2*f^2*j - 3*b*c^6*d^2*e^2*k - 2*a^2*c^5*f*g*h^3 - 3*b^2*c^5*d*f^3*j - b^4*c \\
& ^3*d*f*j^3 - 3*a*c^6*d^2*f^2*1 - 2*a^2*c^5*d*h^3*j - 2*a^3*b^3*c*h*1^4 + 4* \\
& a^3*c^4*d*f*1^3 + a^4*b*c^2*h*1^4 + 3*a^4*b^2*c*g*m^4 + b^5*c^2*d*f*k^3 + a \\
& ^3*b*c^3*j^4*k - 3*b^2*c^5*d*e^3*m - 3*b^2*c^5*e^3*f*k - 3*b^2*c^5*e^3*g*j \\
& + 2*a^2*c^5*d*g^3*m + 2*a^2*c^5*e*g^3*1 + 2*a^2*c^5*f*g^3*k + 2*a^3*c^4*e*h \\
& *k^3 + 2*a^3*c^4*f*g*k^3 + 3*b^3*c^4*d*f^3*m - 4*a^3*c^4*d*j*k^3 + b^2*c^5* \\
& d^3*g*m - 2*b^2*c^5*d^3*h*1 + 4*a^2*c^5*f^3*g*m - 2*a^2*c^5*f^3*h*1 + a^4*b \\
& *c^2*k^4*m - 2*a^4*c^3*e*h*m^3 + 4*a^4*c^3*f*g*m^3 + b^2*c^5*d^3*j*k + 3*b^ \\
& 3*c^4*e^3*g*m - 6*b^3*c^4*e^3*h*1 - 2*a^2*c^5*f^3*j*k - 2*a^3*c^4*d*j^3*m - \\
& 2*a^3*c^4*e*j^3*1 - 2*a^3*c^4*f*j^3*k - 2*a^4*c^3*d*j*m^3 + 2*a^5*b*c^1^2* \\
& m^3 + 3*b^3*c^4*e^3*j*k + 2*a^3*c^4*g*h^3*m - 2*a^2*b^5*e^1*m^3 + a^2*b^5*f \\
& *k*m^3 + a^2*b^5*g*j*m^3 - 4*a^2*c^5*e^3*k*m + 2*a^3*c^4*h^3*j*k - 4*a^4*c^ \\
& 3*d*1^3*m - 4*a^4*c^3*f*k*1^3 - 4*a^4*c^3*g*j*1^3 - b^3*c^4*d^3*k*m + 3*b^6 \\
& *c*e^2*j*m^2 - 3*b^4*c^3*e^3*k*m - 2*a^3*c^4*g^3*k*m - 2*a^4*c^3*g*k^3*m - \\
& 2*a^4*c^3*h*k^3*1 + 2*a^3*b^4*h*1*m^3 - a^3*b^4*j*k*m^3 + 2*a^5*c^2*h*1*m^3 \\
& + 2*a^4*c^3*j^3*k*m + 2*a^5*c^2*j*k*m^3 + 4*a^5*c^2*k*1^3*m - 3*a*b^2*c^4* \\
& e^2*j^3 + 4*a*b^3*c^3*e^2*k^3 - 3*a^2*b*c^4*e^2*k^3 - 10*a*b^2*c^4*e^3*1^2 \\
& - 5*a*b^4*c^2*e^2*1^3 - a^2*b^2*c^3*g*j^4 + a^2*b^3*c^2*f*k^4 - 6*a^3*b^2*c \\
& ^2*e^1^4 + a^2*b*c^4*f^3*1^2 + 4*a^3*b*c^3*e^2*m^3 + 2*a^3*b*c^3*h^2*k^3 - \\
& 3*b^3*c^4*d*e^2*k^2 + 3*b^3*c^4*d*f^2*j^2 + 3*a^2*b^2*c^3*h^4*1 + a^2*b^4*c \\
& *h^2*1^3 + 3*a^2*c^5*e*f^2*k^2 + 3*a^2*c^5*e*g^2*j^2 + 3*a^2*c^5*d^2*e*m^2 \\
& + 3*b^2*c^5*e^2*f^2*j + 3*b^3*c^4*d^2*f*k^2 - 3*b^3*c^4*e^2*f*j^2 + 3*a^2*c \\
& ^5*d^2*g*1^2 + 3*a^2*c^5*e^2*g*k^2 - a^3*b^2*c^2*j*k^4 + 4*a^3*b^3*c*h^2*m^ \\
& 3 - 3*a^4*b*c^2*h^2*m^3 + 3*b^2*c^5*d^2*f^2*1 + 3*a^2*c^5*f^2*h^2*j - 3*b^3 \\
& *c^4*e^2*g^2*k + 3*b^4*c^3*e^2*g*k^2 + 3*b^5*c^2*d*f^2*m^2 + 6*a^2*c^5*d^2* \\
& j*k^2 - 6*a^2*c^5*e^2*h^2*1 - 3*a^2*c^5*f^2*g^2*1 + 3*a^3*c^4*e*g^2*m^2 + 6 \\
& *a^3*c^4*e*h^2*1^2 - a^4*b*c^2*k^3*1^2 - 3*b^3*c^4*e^2*f^2*m - 3*b^5*c^2*e^ \\
& 2*f*m^2 - 3*a^2*c^5*d^2*j^2*1 + 3*a^3*c^4*e*j^2*k^2 - 3*a^3*c^4*g*h^2*k^2 - \\
& 6*a^3*c^4*f^2*g*m^2 + 3*b^4*c^3*e^2*h^2*1 - 3*b^5*c^2*e^2*h*1^2 - 3*a^3*c^ \\
& 4*e^2*j*m^2 - 3*a^3*c^4*f^2*j*1^2 - 3*a^3*c^4*d^2*1*m^2 - 3*a^3*c^4*f^2*k^2 \\
& *1 - 3*a^3*c^4*g^2*j^2*1 + 3*a^4*c^3*e*k^2*m^2 - 3*b^5*c^2*e^2*j^2*m + 3*a^ \\
& 4*c^3*g*k^2*1^2 + 3*a^4*c^3*h^2*j*m^2 - 3*a^4*c^3*g^2*1*m^2 - 3*a^4*c^3*j^2 \\
& *k^2*1 - 3*a^5*c^2*j*1^2*m^2 - 3*a^5*c^2*k^2*1*m^2 - 6*a^2*b^2*c^3*d*f*1^3 \\
& - 3*a*b^2*c^4*d^2*g*1^2 - 9*a*b^2*c^4*e^2*g*k^2 - 3*a*b^2*c^4*f^2*g*j^2 - 1 \\
& 2*a*b^3*c^3*d*f^2*m^2 + 12*a^2*b*c^4*d*f^2*m^2 + 3*a^2*b*c^4*d*g^2*1^2 - 3* \\
& a^2*b*c^4*d*h^2*k^2 + 13*a^2*b^3*c^2*d*f*m^3 + 3*a*b^3*c^3*f*g^2*k^2 + 12*a \\
& *b^3*c^3*e^2*f*m^2 - 3*a^2*b*c^4*f*g^2*k^2 - 3*a^2*b*c^4*f*h^2*j^2 - 9*a^2* \\
& b*c^4*e^2*f*m^2 - 6*a^2*b^2*c^3*e*h*k^3 - 3*a*b^2*c^4*d^2*j*k^2 + 3*a*b^2*c
\end{aligned}$$

$$\begin{aligned}
&^4e^2h^2l + 3ab^2c^4f^2g^2l + 6ab^3c^3e^2h^2l + 6ab^4c^2e^2h^2l^2 - 3a^2b^2c^4d^2h^2m^2 - 6a^2b^2c^4e^2h^2l^2 - 3a^2b^2c^4f^2h^2k^2 - 3a^2b^2c^4g^2h^2j^2 + 3a^2b^2c^3d^2j^2k^3 + 2a^2b^3c^2e^2h^2l^3 - 4a^2b^3c^2f^2g^2l^3 + 3ab^2c^4d^2j^2l - 3ab^4c^2f^2g^2m^2 - 3a^2b^2c^4g^2h^2k - 4a^2b^3c^2d^2j^2l^3 + 12a^3b^2c^2e^2h^2m^3 - 9a^3b^2c^2f^2g^2m^3 + 3a^2b^2c^4d^2k^2l^2 - 3a^2b^2c^4f^2h^2m + 3a^2b^2c^4f^2j^2k + 8a^2b^2c^3d^2j^3m + 2a^2b^2c^3e^2j^3l - a^2b^2c^3f^2j^3k + 3a^3b^2c^3d^2j^2m^2 + 6a^3b^2c^3f^2h^2m^2 + 3a^3b^2c^2d^2j^2m^3 + 12ab^3c^3e^2j^2m - 15ab^4c^2e^2j^2m^2 - 9a^2b^2c^4e^2j^2m - 3a^2b^2c^3g^2h^3m + a^2b^3c^2d^2k^3m - 2a^2b^3c^2e^2k^3l + a^2b^3c^2g^2j^2k^3 - 3a^3b^2c^3g^2h^2m^2 - 3a^2b^2c^3h^3j^2k - 3a^3b^2c^3h^2j^2k^2 + 3a^3b^2c^2d^2l^3m + 3a^3b^2c^2f^2k^2l^3 + 3a^3b^2c^2g^2j^2l^3 + 3a^2b^3c^2g^2j^3m - 3a^2b^4c^2g^2j^2m^2 - 6a^3b^2c^3f^2k^2m^2 + 3a^2b^4c^2h^2j^2m^2 + 3a^3b^2c^3g^2k^2m + 6a^3b^2c^3h^2j^2m - a^3b^2c^2g^2k^3m + 2a^3b^2c^2h^2k^3l - 3a^4b^2c^2f^2l^2m^2 + 3a^2b^3c^2h^3k^2m - 3a^4b^2c^2h^2k^2m^2 - 3a^3b^2c^2j^3k^2m + 3a^3b^3c^2j^2k^2m^2 - 3a^4b^2c^2j^2k^2m^2 - 3a^4b^2c^2j^2l^2m + 3a^4b^2c^2j^2l^2m^2 + 3a^4b^2c^2k^2l^2m^2 - 2ab^5c^5d^2f^2h^3 - 2a^5b^5c^5e^2g^3h + ab^5c^5d^2g^3j - 3b^5c^6d^2e^2f^2g + 6a^5c^6d^2e^2g^2h + 6b^5c^6d^2e^2f^2h - 6a^5b^5c^5d^2f^3m + 3a^5b^5c^5f^3g^2j - 6a^5b^5c^5d^2f^2m^3 - 6a^5c^6d^2e^2f^2k - 6a^5c^6e^2f^2g^2h - 3b^5c^6d^2e^2f^2j - 7a^5b^5c^5e^3g^2m + 8a^5b^5c^5e^3h^2l - 2a^5b^5c^5e^2h^2l^3 + ab^5c^5f^2g^2l^3 + 12a^5c^6d^2e^2f^2l - 6a^5c^6d^2e^2g^2k - 6a^5c^6d^2e^2h^2j - 7a^5b^5c^5e^3j^2k + ab^5c^5d^2j^2l^3 - 6a^5c^6d^2e^2f^2m - 6a^5c^6d^2e^2g^2l + 6a^5c^6d^2e^2h^2k + 6a^5c^6d^2f^2g^2k + 2a^5b^5c^5d^3k^2m - 3b^6c^6d^2f^2j^2m^2 - 3b^6c^6e^2k^2l^2m - 9a^2b^2c^3e^2h^2l^2 + 3a^2b^2c^3g^2h^2k^2 + 9a^2b^2c^3f^2g^2m^2 - 9a^2b^3c^2d^2j^2m^2 - 3a^2b^3c^2f^2h^2m^2 + 18a^2b^2c^3e^2j^2m^2 - 3a^2b^2c^3g^2j^2k^2 + 3a^2b^2c^3d^2l^2m^2 + 3a^2b^2c^3f^2k^2l + 3a^2b^2c^3g^2j^2l + 3a^2b^3c^2f^2k^2m^2 + 6a^3b^2c^2g^2j^2m^2 - 3a^2b^3c^2h^2j^2m - 9a^3b^2c^2h^2j^2m^2 + 3a^3b^2c^2g^2l^2m^2 + 3a^3b^2c^2j^2k^2l + 6ab^5c^5d^2e^2k^2 - 3a^5b^5c^5d^2f^2j^2 - 6a^5b^5c^5d^2f^2k^2 + 6a^5b^5c^5e^2f^2j^2 - 3a^5b^5c^5f^2g^2h - ab^2c^4f^2g^2h^3 - 4a^5b^3c^3d^2f^2k^3 + 6a^2b^2c^4d^2f^2k^3 - 3a^5b^5c^5d^2h^2j^2 - ab^2c^4d^2h^3j + 5a^5b^4c^2d^2f^2l^3 - 3b^2c^5d^2e^2f^2h^2 + 6a^5b^5c^5e^2g^2k - 2a^5b^3c^3e^2h^2j^3 + ab^3c^3f^2g^2j^3 + 4a^2b^2c^4e^2h^2j^3 + a^2b^2c^4f^2g^2j^3 - 10a^3b^2c^3d^2f^2m^3 - 3a^5b^5c^5d^2g^2m + 6a^5b^5c^5e^2f^2m - 3a^5b^2c^4f^2g^3k + 2a^5b^4c^2e^2h^2k^3 - ab^4c^2f^2g^2k^3 + 3b^2c^5d^2f^2g^2h - 6a^5b^3c^3e^2h^3l - ab^4c^2d^2j^2k^3 + 4a^2b^2c^4d^2h^3m + 4a^2b^2c^4e^2h^3l + 4a^2b^2c^4f^2h^3k + 4a^2b^2c^4g^2h^3j - 12a^2c^5d^2e^2f^2l^2 + 3a^3b^2c^3f^2g^2l^3 + 3b^2c^5d^2e^2f^2k - 3b^2c^5e^2f^2g^2h - 3a^5b^2c^4f^3g^2m - 10a^2b^4c^5e^2h^2m^3 + 5a^2b^4c^5f^2g^2m^3 - 6a^2c^5d^2e^2h^2k^2 - 6a^2c^5d^2f^2g^2k^2 + 3a^3b^2c^3d^2j^2l^3 - 6b^2c^5d^2e^2f^2l + 6b^2c^5d^2e^2g^2k - 3b^2c^5d^2e^2h^2j - 3b^4c^3d^2e^2f^2l^2 - 3a^5b^4c^2d^2j^3m + 3a^5b^5c^5d^2j^2m^2 + 2a^2b^4c^5d^2j^2m^3 - 6a^2c^5e^2f^2h^2j^2 + 3b^2c^5d^2e^2f^2m - 6b^2c^5d^2f^2g^2k + 3b^2c^5d^2f^2h^2j + 3b^3c^4d^2f^2g^2k - 3b^4c^3d^2f^2g^2k^2 + 3a^2b^2c^4g^3j^2k - 6a^2c^5d^2e^2j^2k + 6a^2c^5d^2g^2h^2k - 2a^3b^2c^3d^2k^3m + 4a^3b^2c^3e^2k^3l + a^3b^2c^3g^2j^2k^3 - 3b^3c^4d^2f^2g^2l - 3b^3c^4d^2f^2h^2k + 10a^5b^2c^4e^3k^2m - a^2b^4c^5d^2l^3m - a^2b^4c^5f^2k^2l^3 - a^2b^4c^5g^2j^2l^3 - 6a^2c^5d^2g^2h^2l - 6a^2c^5e^2f^2g^2m - 6a^2c^5e^2g^2h^2k + 3b^3c^4d^2e^2h^2m + 3b^3c^4e^2f^2g^2l + 3b^3c^4e^2f^2h^2k + 3b^3c^4e^2g^2h^2j - 3b^4c^3d^2f^2h^2l + 3b^5c^2d^2f^2h^2l^2 + 2a^2b^2c^4f^3k^2m - 6a^2c^5e^2f^2h^2m - 5a^3b^2c^3g^2j^3m - 2a^3b^2c^3h^2j^3l + 8a^3b^3c^3e^2l^2m^3 - 4a^3b^3c^3f^2k^2m^3 - a^3b^3c^3g^2j^2m^3 + 6a^3c^4e^2f^2h^2m^2 - 6a^4b^2c^2e^2l^2m^3 + 6a^4b^2c^2f^2k^2m^3 - 3a^4b^2c^2g^2j^2m^3 + 3b^3c^4d^2e^2j^2l - 3b^3c^4d^2f^2h^2m - 6a^2c^5d^2f^2j^2m + 6a^2c^5d^2f^2k^2l + 6a^2c^5e^2f^2j^2l + 6a^2c^5e^2g^2h^2m - 6a^3c^4d^2e^2k^2m^2 + 6a^3c^4d^2f^2j^2m^2 - 6a^3c^4f^2g^2h^2l^2 - 3b^3c^4d^2f^2j^2l - 12a^2c^5d^2e^2l^2m + 6a^2c^5e^2f^2j^2m - 12a^2
\end{aligned}$$

$$\begin{aligned}
& *c^5e^2f*k*1 - 12*a^2c^5e^2g*j*1 + 6*a^2c^5e^2h*j*k - 6*a^3b*c^3h \\
& ^3k*m + a^3b^3c*g*l^3m + 12*a^3c^4d*e*1^2m - 6*a^3c^4d*g*k*1^2 - 6 \\
& *a^3c^4d*h*j*1^2 + 12*a^3c^4e*f*k*1^2 + 12*a^3c^4e*g*j*1^2 + a^4b*c^ \\
& 2*g*l^3m - 6*b^4c^3d*f^2*j*m + 3*b^4c^3d*f^2*k*1 - 3*b^4c^3e^2g*h*m \\
& + 3*b^5c^2d*f*j^2m + 6*a^2c^5d^2f*1*m - 6*a^2c^5d^2g*k*m - 6*a^2c \\
& ^5d^2h*k*1 + a^3b^3c*j*k*1^3 + 6*a^3c^4d*g*k^2m + 6*a^3c^4d*h*k^2 \\
& *1 - 6*a^3c^4e*f*k^2m - 6*a^3c^4e*g*k^2*1 + a^4b*c^2*j*k*1^3 - 6*a^4* \\
& b^2*c*h*1*m^3 - 3*b^4c^3d*e^2*1*m + 6*b^4c^3e^2f*j*m - 3*b^4c^3e^2f \\
& *k*1 - 3*b^4c^3e^2g*j*1 - 3*b^4c^3e^2h*j*k + 6*a^3c^4e*h*j^2m + 6* \\
& a^3c^4f*h*j^2*1 + 3*b^4c^3d^2f*1*m + 6*a^3c^4d*j^2*k*1 - 6*a^3c^4f \\
& *h^2*j*m + 6*a^3c^4f*g^2*1*m + 6*a^3c^4g^2h*k*1 - 4*a^4b^2c*k*1^3m \\
& + 3*b^5c^2e^2g*1*m + 3*b^5c^2e^2h*k*m + 6*a^3c^4f^2h*1*m - 6*a^4c \\
& ^3f*h*1*m^2 + 3*b^5c^2e^2j*k*1 + 6*a^3c^4f^2j*k*m + 6*a^4c^3d*k*1* \\
& m^2 + 6*a^4c^3e*j*1*m^2 - 6*a^4c^3f*j*k*m^2 + 6*a^4c^3g*h*1^2m + 12* \\
& a^3c^4e^2k*1*m - 12*a^4c^3e*k*1^2m + 6*a^4c^3f*j*1^2m + 6*a^4c^3* \\
& h*j*k*1^2 + 6*a^4c^3f*k^2*1*m - 6*a^4c^3h*j^2*1*m + 12*a*b^2c^4d*e*f* \\
& l^2 + 6*a*b^2c^4d*e*h*k^2 + 6*a*b^2c^4d*f*g*k^2 + 3*a*b^2c^4d*g*h*j^2 \\
& + 6*a*b^2c^4e*f*h*j^2 - 3*a^2b*c^4d*e*g*m^2 - 6*a*b^2c^4d*e*h^2m + \\
& 3*a*b^2c^4d*e*j^2*k + 9*a*b^2c^4d*f*h^2*1 - 6*a*b^2c^4e*f*h^2*k - 6*a \\
& *b^2c^4e*g*h^2*j - 12*a*b^3c^3d*f*h*1^2 + 3*a*b^3c^3e*f*g*1^2 + 6*a^2 \\
& *b*c^4d*f*h*1^2 - 3*a^2b*c^4e*f*g*1^2 + 3*a*b^2c^4e*f*g^2m + 6*a*b^2* \\
& c^4e*g^2h*k + 3*a*b^2c^4f*g^2h*j + 3*a*b^3c^3d*e*j*1^2 - 6*a*b^3c^3 \\
& *e*g*h*k^2 - 3*a^2b*c^4d*e*j*1^2 + 12*a^2b*c^4e*g*h*k^2 - 3*a*b^2c^4d \\
& *g^2*j*k + 6*a*b^2c^4e*f^2h*m + 3*a*b^2c^4f^2g*h*k + 3*a*b^3c^3d*g* \\
& j*k^2 + 6*a*b^4c^2e*f*h*m^2 - 6*a^2b*c^4d*e*k^2*1 - 3*a^2b*c^4d*g*j*k \\
& ^2 - 3*a^2b*c^4e*f*j*k^2 + 15*a*b^2c^4d*f^2*j*m - 9*a*b^2c^4d*f^2*k*1 \\
& + 3*a*b^2c^4e^2g*h*m - 6*a*b^3c^3d*f*j^2m - 3*a*b^3c^3d*g*j^2*1 - \\
& 3*a*b^3c^3d*h*j^2*k + 6*a*b^3c^3e*g*h^2m + 3*a*b^3c^3f*g*h^2*1 + 12* \\
& a*b^4c^2d*f*j*m^2 - 3*a*b^4c^2f*g*h*1^2 + 3*a^2b*c^4d*g*j^2*1 + 6*a^2 \\
& *b*c^4d*h*j^2*k - 6*a^2b*c^4e*f*j^2*1 - 9*a^2b*c^4e*g*h^2m - 3*a^2b* \\
& c^4e*g*j^2*k - 3*a^2b*c^4f*g*h^2*1 + 9*a*b^2c^4d*e^2*1*m - 18*a*b^2c^ \\
& 4e^2f*j*m + 9*a*b^2c^4e^2f*k*1 + 9*a*b^2c^4e^2g*j*1 + 3*a*b^2c^4e \\
& ^2h*j*k + 3*a*b^3c^3d*h^2*j*1 + 6*a*b^3c^3e*h^2*j*k - 3*a*b^3c^3f*g^ \\
& 2h*m - 3*a*b^4c^2d*h*j*1^2 - 3*a^2b*c^4d*h^2*j*1 - 9*a^2b*c^4e*h^2*j \\
& *k + 6*a^2b*c^4f*g^2h*m - 9*a*b^2c^4d^2f*1*m + 3*a*b^2c^4d^2g*k*m \\
& + 3*a*b^2c^4d^2h*j*m - 3*a*b^3c^3f*g^2*j*1 - 3*a^2b*c^4e*g^2*j*m - 6 \\
& *a^2b*c^4e*g^2*k*1 + 3*a^2b*c^4f*g^2*j*1 + 6*a*b^3c^3f^2g*j*m - 3*a* \\
& b^3c^3f^2g*k*1 + 6*a*b^4c^2e*h*j^2m - 3*a*b^4c^2f*g*j^2m - 6*a^2b \\
& *c^4e*f^2*1*m - 9*a^2b*c^4f^2g*j*m + 3*a^2b*c^4f^2g*k*1 + 3*a^3b*c^ \\
& 3d*g*1*m^2 + 6*a^3b*c^3d*h*k*m^2 + 12*a^3b*c^3e*f*1*m^2 - 3*a^3b*c^3* \\
& e*g*k*m^2 - 18*a^3b*c^3e*h*j*m^2 + 9*a^3b*c^3f*g*j*m^2 - 12*a*b^3c^3e \\
& ^2g*1*m - 6*a*b^3c^3e^2h*k*m + 3*a*b^4c^2d*j^2*k*1 - 6*a*b^4c^2e*h^ \\
& 2k*m + 15*a^2b*c^4e^2g*1*m - 6*a^2b*c^4e^2h*k*m - 9*a^3b*c^3e*g*1^ \\
& 2m - 12*a*b^3c^3e^2j*k*1 + 3*a*b^4c^2f*g^2*1*m + 15*a^2b*c^4e^2j*k \\
& *1 - 9*a^3b*c^3e*j*k*1^2 + 6*a^3b*c^3f*h*k^2m - 6*a^3b*c^3g*h*k^2*1 \\
& - 3*a*b^3c^3d^2*j*1*m + 3*a^2b*c^4d^2*j*1*m - 3*a^3b*c^3e*j*k^2m + 3 \\
& *a^3b*c^3f*j*k^2*1 + 3*a^2b^4c*d*k*1*m^2 + 6*a^2b^4c*e*j*1*m^2 - 3*a^ \\
& 2b^4c*f*j*k*m^2 + 12*a^3b*c^3e*j^2*1*m + 3*a^3b*c^3g*h^2*1*m + 3*a^3* \\
& b*c^3g*j^2*k*1 + 15*a*b^4c^2e^2k*1*m - 6*a^2b^4c*e*k*1^2m + 3*a^3b* \\
& c^3h^2*j*k*1 + 3*a^2b^4c*f*k^2*1*m + 3*a^3b*c^3g^2*j*1*m - 3*a^3b^3c \\
& *g*k*1*m^2 - 6*a^3b^3c*h*j*1*m^2 + 3*a^4b*c^2g*k*1*m^2 + 12*a^4b*c^2h \\
& *j*1*m^2 - 3*a^2b^4c*h^2*k*1*m + 6*a^3b^3c*h*k*1^2m - 6*a^4b*c^2h*k* \\
& l^2m - 3*a^3b^3c*j*k^2*1*m + 3*a^4b*c^2j*k^2*1*m + 3*b^6c*d*f*k*1*m + \\
& 3*a^2b^2c^3d*g*h*m^2 - 18*a^2b^2c^3e*f*h*m^2 + 3*a^2b^2c^3d*e*k*m \\
& ^2 - 15*a^2b^2c^3d*f*j*m^2 + 9*a^2b^2c^3f*g*h*1^2 - 9*a^2b^2c^3d*e \\
& *1^2m + 9*a^2b^2c^3d*h*j*1^2 - 9*a^2b^2c^3e*f*k*1^2 - 9*a^2b^2c^3* \\
& e*g*j*1^2 - 3*a^2b^2c^3d*g*k^2m + 3*a^2b^2c^3e*f*k^2m + 6*a^2b^2c \\
& ^3e*g*k^2*1 + 3*a^2b^2c^3f*h*j*k^2 - 18*a^2b^2c^3e*h*j^2m + 3*a^2b \\
& ^2c^3f*g*j^2m + 3*a^2b^2c^3g*h*j^2*k - 3*a^2b^3c^2d*g*1*m^2 - 3*a^
\end{aligned}$$

$$\begin{aligned}
& 2*b^3*c^2*d*h*k*m^2 - 6*a^2*b^3*c^2*e*f*l*m^2 + 24*a^2*b^3*c^2*e*h*j*m^2 - \\
& 9*a^2*b^3*c^2*f*g*j*m^2 - 6*a^2*b^2*c^3*d*h^2*l*m - 9*a^2*b^2*c^3*d*j^2*k*l \\
& + 15*a^2*b^2*c^3*e*h^2*k*m + 6*a^2*b^2*c^3*f*h^2*j*m - 6*a^2*b^2*c^3*f*h^2 \\
& *k*l - 6*a^2*b^2*c^3*g*h^2*j*l + 3*a^2*b^3*c^2*d*h*l^2*m + 6*a^2*b^3*c^2*e* \\
& g*l^2*m + 3*a^2*b^3*c^2*f*h*k*l^2 + 3*a^2*b^3*c^2*g*h*j*l^2 - 9*a^2*b^2*c^3 \\
& *f*g^2*l*m + 3*a^2*b^2*c^3*g^2*h*j*m + 6*a^2*b^3*c^2*e*j*k*l^2 - 3*a^2*b^3* \\
& c^2*f*h*k^2*m - 3*a^2*b^3*c^2*f*j*k^2*l + 6*a^3*b^2*c^2*f*h*l*m^2 + 3*a^3*b \\
& ^2*c^2*g*h*k*m^2 - 6*a^2*b^2*c^3*f^2*j*k*m - 6*a^2*b^3*c^2*e*j^2*l*m + 3*a^ \\
& 2*b^3*c^2*f*j^2*k*m + 3*a^2*b^3*c^2*g*h^2*l*m - 3*a^2*b^3*c^2*g*j^2*k*l - 9 \\
& *a^3*b^2*c^2*d*k*l*m^2 - 18*a^3*b^2*c^2*e*j*l*m^2 + 6*a^3*b^2*c^2*f*j*k*m^2 \\
& - 9*a^3*b^2*c^2*g*h*l^2*m - 24*a^2*b^2*c^3*e^2*k*l*m + 3*a^2*b^3*c^2*h^2*j \\
& *k*l + 18*a^3*b^2*c^2*e*k*l^2*m - 9*a^3*b^2*c^2*h*j*k*l^2 - 3*a^2*b^3*c^2*g \\
& ^2*j*l*m - 9*a^3*b^2*c^2*f*k^2*l*m + 3*a^3*b^2*c^2*h*j*k^2*m + 6*a^3*b^2*c^ \\
& 2*h*j^2*l*m + 3*a^3*b^2*c^2*h^2*k*l*m - 3*a*b*c^5*d*e*g*j^2 + 9*a*b*c^5*e*f \\
& *g*h^2 + 9*a*b*c^5*d*e*h^2*j - 3*a*b*c^5*e*f*g^2*j + 3*a*b*c^5*d*f^2*g*l + \\
& 6*a*b*c^5*d*f^2*h*k - 3*a*b*c^5*e*f^2*g*k - 6*a*b*c^5*e*f^2*h*j - 3*a*b*c^5 \\
& *e^2*f*g*l - 3*a*b*c^5*d*e^2*j*l + 6*a*b*c^5*d^2*f*h*m + 6*a*b*c^5*d^2*g*h* \\
& l + 3*b^2*c^5*d*e*f*g*j - 3*a*b*c^5*d^2*e*j*m + 3*a*b*c^5*d^2*f*j*l + 3*a*b \\
& *c^5*d^2*g*j*k - 3*b^3*c^4*d*e*f*g*m + 6*b^3*c^4*d*e*f*h*l - 3*b^3*c^4*d*f* \\
& g*h*j - 3*b^3*c^4*d*e*f*j*k - 6*a*b^5*c*e*h*j*m^2 + 3*a*b^5*c*f*g*j*m^2 + 1 \\
& 2*a^2*c^5*e*f*g*h*l + 12*a^2*c^5*d*e*f*k*m + 12*a^2*c^5*d*e*g*k*l + 12*a^2* \\
& c^5*d*e*h*j*l + 3*b^4*c^3*d*f*g*h*m + 3*b^4*c^3*d*e*f*k*m + 3*b^4*c^3*d*f*g \\
& *j*l + 3*b^4*c^3*d*f*h*j*k - 3*b^5*c^2*d*f*g*l*m - 3*b^5*c^2*d*f*h*k*m - 3* \\
& b^5*c^2*d*f*j*k*l - 12*a^3*c^4*e*g*h*l*m - 12*a^3*c^4*d*f*k*l*m - 12*a^3*c^ \\
& 4*e*f*j*l*m - 12*a^3*c^4*e*h*j*k*l - 6*a*b^2*c^4*d*f*g*h*m - 12*a*b^2*c^4*e \\
& *f*g*h*l - 12*a*b^2*c^4*d*e*f*k*m + 3*a*b^2*c^4*d*e*g*j*m - 12*a*b^2*c^4*d* \\
& e*h*j*l - 3*a*b^2*c^4*d*f*g*j*l - 6*a*b^2*c^4*d*f*h*j*k + 3*a*b^2*c^4*e*f*g \\
& *j*k + 6*a*b^3*c^3*d*e*h*l*m + 9*a*b^3*c^3*d*f*g*l*m + 12*a*b^3*c^3*d*f*h*k \\
& *m - 3*a*b^3*c^3*d*g*h*j*m - 3*a*b^3*c^3*e*f*g*k*m - 12*a*b^3*c^3*e*f*h*j*m \\
& + 6*a*b^3*c^3*e*f*h*k*l + 6*a*b^3*c^3*e*g*h*j*l - 3*a*b^3*c^3*f*g*h*j*k - \\
& 6*a^2*b*c^4*d*f*g*l*m - 12*a^2*b*c^4*d*f*h*k*m + 6*a^2*b*c^4*e*f*g*k*m + 24 \\
& *a^2*b*c^4*e*f*h*j*m - 3*a*b^3*c^3*d*e*j*k*m + 9*a*b^3*c^3*d*f*j*k*l + 6*a^ \\
& 2*b*c^4*d*e*j*k*m - 6*a^2*b*c^4*d*f*j*k*l - 6*a*b^4*c^2*e*g*h*l*m + 3*a*b^4 \\
& *c^2*f*g*h*k*m - 15*a*b^4*c^2*d*f*k*l*m + 3*a*b^4*c^2*d*g*j*l*m + 3*a*b^4*c \\
& ^2*d*h*j*k*m - 6*a*b^4*c^2*e*h*j*k*l + 3*a*b^4*c^2*f*g*j*k*l + 12*a^3*b*c^3 \\
& *e*h*k*l*m - 6*a^3*b*c^3*f*g*k*l*m - 12*a^3*b*c^3*f*h*j*l*m - 6*a^3*b*c^3*d \\
& *j*k*l*m + 3*a^2*b^4*c*g*j*k*l*m + 12*a^2*b^2*c^3*e*g*h*l*m - 6*a^2*b^2*c^3 \\
& *f*g*h*k*m + 24*a^2*b^2*c^3*d*f*k*l*m - 3*a^2*b^2*c^3*d*g*j*l*m - 6*a^2*b^2 \\
& *c^3*d*h*j*k*m + 12*a^2*b^2*c^3*e*f*j*l*m + 3*a^2*b^2*c^3*e*g*j*k*m + 12*a^ \\
& 2*b^2*c^3*e*h*j*k*l - 3*a^2*b^2*c^3*f*g*j*k*l - 18*a^2*b^3*c^2*e*h*k*l*m + \\
& 9*a^2*b^3*c^2*f*g*k*l*m - 3*a^2*b^3*c^2*g*h*j*k*m + 9*a^2*b^3*c^2*d*j*k*l*m \\
& - 3*a^3*b^2*c^2*g*j*k*l*m + 6*a*b*c^5*d*e*f*g*m - 12*a*b*c^5*d*e*f*h*l - 1 \\
& 2*a*b*c^5*d*e*g*h*k + 6*a*b*c^5*d*e*f*j*k + 6*a*b^5*c*e*h*k*l*m - 3*a*b^5*c \\
& *f*g*k*l*m - 3*a*b^5*c*d*j*k*l*m))/c^3 - (a*c^6*f^5 - c^7*d*e^4 + c^7*d^4*h \\
& - a^6*c*m^5 - c^7*d^3*f^2 + a^5*b^2*m^5 + a^2*c^5*d*h^4 - a^3*b*c^3*j^5 + \\
& a*c^6*d^3*j^2 + 3*c^7*d^2*e^2*f - a^2*c^5*g^4*h + a^3*c^4*f*j^4 - a^4*c^3*d \\
& *l^4 + a*b^6*f^2*m^3 + 2*a^3*b^4*f*m^4 - 5*a^2*c^5*f^4*m - a^3*c^4*h^4*k + \\
& a^4*c^3*h*k^4 + 5*a^5*c^2*f*m^4 - 2*a^4*b^3*j*m^4 - a^4*c^3*j^4*m + a^5*c^2 \\
& *k*l^4 - a^2*c^5*f^2*h^3 - b^2*c^5*d^3*j^2 + 2*a^2*c^5*f^3*j^2 - a^2*c^5*d^ \\
& 3*m^2 + a^3*c^4*f^2*k^3 + a^3*c^4*h^3*j^2 - b^4*c^3*d^3*m^2 + 10*a^3*c^4*f^ \\
& 3*m^2 - 10*a^4*c^3*f^2*m^3 - a^4*c^3*h^3*m^2 - a^4*c^3*j^2*k^3 + a^3*b^4*j^ \\
& 2*m^3 - 2*a^5*c^2*j^2*m^3 + a^5*c^2*k^3*m^2 - 2*c^7*d^3*e*g + a*c^6*e^4*k - \\
& b*c^6*d^4*l + b^7*d*e*m^3 + a*b*c^5*e*g^4 - 2*a*c^6*d*e*g^3 + b*c^6*d*e*f^ \\
& 3 - 3*a*b*c^5*f^4*j - 4*a*c^6*d*f^3*h - 4*a*c^6*e*f^3*g + 3*b*c^6*d*e^3*h - \\
& 2*a*c^6*e^3*g*h - b*c^6*d^3*g*h + 4*a*c^6*d*e^3*l - 2*a*c^6*e^3*f*j + 2*b* \\
& c^6*d^3*e*k + 2*b*c^6*d^3*f*j - b^6*c*d*e*l^3 + 2*a*c^6*d^3*f*m + 2*a*c^6*d \\
& ^3*g*l - 4*a*c^6*d^3*h*k - a*b^6*d*h*m^3 - a*b^6*e*g*m^3 + a^5*b*c*j*m^4 - \\
& 3*a^2*b^2*c^3*f^2*k^3 + 4*a^2*b^3*c^2*f^2*l^3 - 10*a^2*b^2*c^3*f^3*m^2 + 12 \\
& *a^3*b^2*c^2*f^2*m^3 + a^3*b^2*c^2*j^2*k^3 - a*b^2*c^4*d*h^4 - a*b*c^5*f^2*
\end{aligned}$$

$$\begin{aligned}
&g^3 + a*bc^5e^3j^2 + 3*a*c^6*d*f^2*g^2 + 3*b*c^6*d^2*e*g^2 + a^2*b*c^4*g \\
&*h^4 - b^2*c^5*d*e*g^3 + 3*a*c^6*d^2*f*h^2 + 3*a*c^6*e^2*f*g^2 - a^2*b^4*c* \\
&d*l^4 - 2*a^3*b*c^3*e*k^4 + b^3*c^4*d*e*h^3 + 3*a*c^6*e^2*f^2*h + 2*a^2*c^5 \\
&*d*e*j^3 - a*b^5*c*f^2*l^3 - 3*b*c^6*d^2*e^2*j - 2*a^2*c^5*e*g*h^3 - b^4*c^ \\
&3*d*e*j^3 + 3*a*b^2*c^4*f^4*m + 3*a*c^6*d^2*f^2*k + a^3*b^3*c*g*l^4 + 4*a^3 \\
&*c^4*d*e*l^3 - 2*a^4*b*c^2*g*l^4 - 6*a^4*b^2*c*f*m^4 + b^5*c^2*d*e*k^3 - 3* \\
&a*c^6*d^2*e^2*m - 3*b^2*c^5*d*e^3*l + 2*a^2*c^5*d*g^3*l + 2*a^2*c^5*e*g^3*k \\
&+ 2*a^2*c^5*f*g^3*j - 4*a^3*c^4*d*h*k^3 + 2*a^3*c^4*e*g*k^3 - 2*b^2*c^5*d^ \\
&3*f*m + b^2*c^5*d^3*g*l + b^2*c^5*d^3*h*k + 4*a^2*c^5*f^3*g*l + 4*a^2*c^5*f \\
&^3*h*k - 2*a^3*c^4*g*h*j^3 + a^4*b*c^2*k^4*l - a^4*b^2*c*k*l^4 + 4*a^4*c^3* \\
&d*h*m^3 + 4*a^4*c^3*e*g*m^3 - 2*a^3*c^4*d*j^3*l - 2*a^3*c^4*e*j^3*k + a^2*b \\
&^5*g*h*m^3 + 2*a^3*c^4*f*h^3*m + 2*a^3*c^4*g*h^3*l + 2*a^4*c^3*g*h*l^3 - a^ \\
&5*b*c*l^3*m^2 + a^2*b^5*d*l*m^3 + a^2*b^5*e*k*m^3 - 2*a^2*b^5*f*j*m^3 + 2*a \\
&^2*c^5*e^3*j*m - 4*a^2*c^5*e^3*k*l - 4*a^4*c^3*e*k*l^3 + 2*a^4*c^3*f*j*l^3 \\
&+ 2*b^3*c^4*d^3*j*m - b^3*c^4*d^3*k*l - 2*a^3*c^4*g^3*j*m - 2*a^3*c^4*g^3*k \\
&*l - 2*a^4*c^3*f*k^3*m - 2*a^4*c^3*g*k^3*l - a^3*b^4*g*l*m^3 - a^3*b^4*h*k* \\
&m^3 - 4*a^5*c^2*g*l*m^3 - 4*a^5*c^2*h*k*m^3 + 2*a^4*c^3*j^3*k*l + a^4*b^3*k \\
&*l*m^3 - 2*a^5*c^2*j*l^3*m + a*b^2*c^4*f^2*h^3 + 3*a*b^2*c^4*f^3*j^2 - a*b^ \\
&3*c^3*f^2*j^3 - 4*a^2*b*c^4*f^2*j^3 + 2*a^2*b^2*c^3*f*j^4 + a^2*b^3*c^2*e*k \\
&^4 + 3*a^3*b^2*c^2*d*l^4 - 3*b^2*c^5*d*e^2*h^2 + 3*a*b^2*c^4*d^3*m^2 + a*b^ \\
&4*c^2*f^2*k^3 + a*b^3*c^3*e^3*m^2 - 2*a^2*b*c^4*e^3*m^2 - 3*a^3*b*c^3*f^2*l \\
&^3 + 3*a*b^4*c^2*f^3*m^2 - 5*a^2*b^4*c*f^2*m^3 - 6*a^2*c^5*d*e^2*l^2 - 3*a^ \\
&2*c^5*d*f^2*k^2 - 3*a^2*c^5*d*g^2*j^2 + 3*a^2*c^5*f*g^2*h^2 - a^3*b^2*c^2*h \\
&*k^4 + 3*b^3*c^4*d^2*e*k^2 + 3*a^2*c^5*d^2*f*l^2 + 3*a^2*c^5*e^2*f*k^2 + a^ \\
&3*b*c^3*g^3*m^2 - 3*b^4*c^3*d*e^2*l^2 + 6*a^2*c^5*d^2*h*k^2 - 3*a^2*c^5*e^2 \\
&*h*j^2 + 3*b^2*c^5*d^2*e^2*m - 3*a^2*c^5*f^2*g^2*k - a^3*b^3*c*j^2*l^3 + 3* \\
&a^3*c^4*d*g^2*m^2 + 2*a^4*b*c^2*j^2*l^3 - 3*a^2*c^5*d^2*h^2*m - 3*a^2*c^5*d \\
&^2*j^2*k - 3*a^2*c^5*e^2*g^2*m + 3*a^3*b^2*c^2*j^4*m - 3*a^3*b^3*c*j^3*m^2 \\
&+ 3*a^3*c^4*d*j^2*k^2 + 3*a^3*c^4*f*g^2*l^2 + 3*a^3*c^4*f*h^2*k^2 + 3*a^4*b \\
&^2*c*j^2*m^3 + 3*a^3*c^4*e^2*h*m^2 + 3*a^3*c^4*f^2*h*l^2 + 3*a^3*c^4*d^2*k* \\
&m^2 + 6*a^3*c^4*e^2*k*l^2 - 3*a^3*c^4*g^2*h^2*m + 3*a^3*c^4*g^2*j^2*k - 3*a \\
&^4*c^3*d*k^2*m^2 - 3*a^3*c^4*d^2*l^2*m - 3*a^3*c^4*e^2*k^2*m - 6*a^3*c^4*f^ \\
&2*j^2*m + 6*a^4*c^3*f*j^2*m^2 + 3*a^4*c^3*f*k^2*l^2 - 3*a^4*c^3*h*j^2*l^2 - \\
&3*a^4*c^3*g^2*k*m^2 - 3*a^4*c^3*g^2*l^2*m - 3*a^4*c^3*h^2*k^2*m + 3*a^5*c^ \\
&2*h*l^2*m^2 - 3*a^5*c^2*k^2*l^2*m + 9*a*b^2*c^4*d*e^2*l^2 + 3*a*b^2*c^4*d*f \\
&^2*k^2 - 9*a^2*b^2*c^3*d*e*l^3 + 10*a^2*b^3*c^2*d*e*m^3 - 3*a*b^2*c^4*d^2*h \\
&*k^2 - 3*a*b^3*c^3*e*f^2*l^2 + 3*a*b^3*c^3*e*g^2*k^2 + 6*a^2*b*c^4*e*f^2*l^ \\
&2 - 3*a^2*b*c^4*e*g^2*k^2 + 3*a^2*b^2*c^3*d*h*k^3 + 3*a*b^2*c^4*f^2*g^2*k + \\
&3*a*b^3*c^3*d^2*g*m^2 + 3*a*b^3*c^3*e^2*g*l^2 - 3*a*b^3*c^3*f^2*g*k^2 - 3* \\
&a*b^4*c^2*d*h^2*l^2 - 6*a^2*b*c^4*d^2*g*m^2 - 6*a^2*b*c^4*e^2*g*l^2 + 6*a^2 \\
&*b*c^4*f^2*g*k^2 - a^2*b^3*c^2*d*h*l^3 - 4*a^2*b^3*c^2*e*g*l^3 + 3*a*b^2*c^ \\
&4*d^2*h^2*m + 3*a*b^2*c^4*e^2*g^2*m - 3*a^2*b*c^4*g^2*h^2*j - a^2*b^2*c^3*g \\
&*h*j^3 - 6*a^3*b^2*c^2*d*h*m^3 - 6*a^3*b^2*c^2*e*g*m^3 - 3*a*b^3*c^3*f^2*h^ \\
&2*l + 3*a*b^4*c^2*f^2*h*l^2 - 3*a^2*b*c^4*d^2*j*l^2 - 3*a^2*b*c^4*e^2*j*k^2 \\
&+ 6*a^2*b*c^4*f^2*h^2*l - a^2*b^2*c^3*d*j^3*l - a^2*b^2*c^3*e*j^3*k + a^2* \\
&b^3*c^2*g*h*k^3 + 3*a^3*b*c^3*e*h^2*m^2 - 3*a^2*b^2*c^3*g*h^3*l + a^2*b^3*c \\
&^2*d*k^3*l - 2*a^2*b^3*c^2*f*j*k^3 - 3*a^3*b*c^3*e*j^2*l^2 - 3*a^3*b*c^3*g* \\
&h^2*l^2 - 3*a^3*b*c^3*g*j^2*k^2 + 3*a^3*b^2*c^2*e*k*l^3 - 6*a^3*b^2*c^2*f*j \\
&*l^3 + 3*a*b^4*c^2*f^2*j^2*m - 6*a^2*b^3*c^2*f*j^3*m + 6*a^2*b^4*c*f*j^2*m^ \\
&2 - 6*a^3*b*c^3*f^2*j*m^2 - 3*a^3*b*c^3*g^2*j*l^2 - 3*a^3*b*c^3*h^2*j*k^2 + \\
&3*a^3*b*c^3*e^2*l*m^2 + 3*a^3*b*c^3*g^2*k^2*l - 3*a^3*b*c^3*h^2*j^2*l + 2* \\
&a^3*b^2*c^2*f*k^3*m - a^3*b^2*c^2*g*k^3*l - 3*a^3*b^2*c^2*j^3*k*l - 3*a^4*b \\
&*c^2*j*k^2*l^2 + 3*a^4*b^2*c*k^2*l^2*m + a*b*c^5*d*e*h^3 + a*b*c^5*d*g^3*h \\
&+ 3*a*b*c^5*f^3*g*h - 3*b*c^6*d*e^2*f*g + 3*a*b*c^5*d*f^3*l + 3*a*b*c^5*e*f \\
&^3*k - 6*a*b^5*c*d*e*m^3 - 3*b*c^6*d^2*e*f*h + 6*a*c^6*d*e*f^2*j + 2*a*b*c^ \\
&5*e^3*f*m + 2*a*b*c^5*e^3*g*l - a*b*c^5*e^3*h*k + a*b^5*c*d*h*l^3 + a*b^5*c \\
&*e*g*l^3 - 6*a*c^6*d*e^2*f*k - 6*a*c^6*d^2*e*f*l + 6*a*c^6*d^2*e*g*k - 6*a* \\
&c^6*d^2*f*g*j - 4*a*b*c^5*d^3*j*m + 2*a*b*c^5*d^3*k*l - 3*b^6*c*d*e*j*m^2 + \\
&a^5*b*c*k*l*m^3 - 3*a^2*b^2*c^3*d*g^2*m^2 + 6*a^2*b^2*c^3*d*h^2*l^2 - 3*a^
\end{aligned}$$

$$\begin{aligned}
& 2*b^2*c^3*e^2*h*m^2 - 9*a^2*b^2*c^3*f^2*h*1^2 - 3*a^2*b^2*c^3*g^2*h*k^2 + 3 \\
& *a^2*b^3*c^2*g*h^2*1^2 - 3*a^2*b^2*c^3*d^2*k*m^2 - 3*a^2*b^2*c^3*e^2*k*1^2 \\
& + 3*a^2*b^2*c^3*g^2*h^2*m + 3*a^2*b^2*c^3*d^2*1^2*m + 3*a^2*b^2*c^3*e^2*k^2 \\
& *m + 3*a^2*b^2*c^3*f^2*j^2*m + 6*a^2*b^3*c^2*f^2*j*m^2 - 9*a^3*b^2*c^2*f*j^ \\
& 2*m^2 + 3*a^3*b^2*c^2*h*j^2*1^2 - 3*a^3*b^2*c^2*h^2*k*1^2 + 3*a^3*b^2*c^2*g \\
& ^2*1^2*m + 3*a^3*b^2*c^2*h^2*k^2*m - 3*a*b*c^5*e*f^2*h^2 + 3*a*b^2*c^4*d*e* \\
& j^3 - 6*a*b*c^5*d^2*e*k^2 + 3*a*b*c^5*e^2*g*h^2 - a*b^2*c^4*e*g*h^3 - 4*a*b \\
& ^3*c^3*d*e*k^3 + 6*a^2*b*c^4*d*e*k^3 + 3*a*b*c^5*d^2*g*j^2 + 5*a*b^4*c^2*d* \\
& e*1^3 - 3*a*b*c^5*d^2*h^2*j - 3*a*b*c^5*e^2*g^2*j + a*b^3*c^3*d*h*j^3 + a*b \\
& ^3*c^3*e*g*j^3 - 2*a^2*b*c^4*d*h*j^3 - 2*a^2*b*c^4*e*g*j^3 - 7*a^3*b*c^3*d* \\
& e*m^3 - 3*a*b*c^5*d^2*g^2*1 - 3*a*b*c^5*e^2*f^2*1 - 3*a*b^2*c^4*e*g^3*k - a \\
& *b^4*c^2*d*h*k^3 - a*b^4*c^2*e*g*k^3 + 3*a*b^3*c^3*d*h^3*1 - 5*a^2*b*c^4*d* \\
& h^3*1 + a^2*b*c^4*e*h^3*k - 2*a^2*b*c^4*f*h^3*j - 3*a^3*b*c^3*d*h*1^3 + 6*a \\
& ^3*b*c^3*e*g*1^3 - 3*b^2*c^5*d*e*f^2*j + 3*b^3*c^4*d*e*f*j^2 - 3*a*b^2*c^4* \\
& f^3*g*1 - 3*a*b^2*c^4*f^3*h*k + 5*a^2*b^4*c*d*h*m^3 + 5*a^2*b^4*c*e*g*m^3 - \\
& 6*a^2*c^5*d*e*g*k^2 + 3*b^2*c^5*d*e^2*f*k + 3*b^2*c^5*d*e^2*g*j + 3*a^2*b* \\
& c^4*g^3*h*k + a^3*b*c^3*g*h*k^3 + 3*b^2*c^5*d^2*e*f*1 - 6*b^2*c^5*d^2*e*g*k \\
& + 3*b^2*c^5*d^2*e*h*j + 3*b^3*c^4*d*e*g^2*k - 3*b^4*c^3*d*e*g*k^2 - a^2*b^ \\
& 4*c*g*h*1^3 - 6*a^2*c^5*d*f*h^2*k + 6*a^2*c^5*e*f*h^2*j - 2*a^3*b*c^3*d*k^3 \\
& *1 + 4*a^3*b*c^3*f*j*k^3 + 3*b^3*c^4*d*e*f^2*m + 3*b^5*c^2*d*e*f*m^2 - 2*a* \\
& b^2*c^4*e^3*j*m + a*b^2*c^4*e^3*k*1 - a^2*b^4*c*e*k*1^3 + 2*a^2*b^4*c*f*j*1 \\
& ^3 - 6*a^2*c^5*d*f*g^2*m - 6*a^2*c^5*e*f*g^2*1 - 4*a^3*b^3*c*g*h*m^3 + 3*a^ \\
& 4*b*c^2*g*h*m^3 - 3*b^3*c^4*d*e^2*g*m + 6*b^3*c^4*d*e^2*h*1 - 3*b^4*c^3*d*e \\
& *h^2*1 + 3*b^5*c^2*d*e*h*1^2 - 6*a*b^3*c^3*f^3*j*m + 3*a*b^3*c^3*f^3*k*1 - \\
& 3*a*b^5*c*f^2*j*m^2 + 8*a^2*b*c^4*f^3*j*m - 7*a^2*b*c^4*f^3*k*1 + 12*a^2*c^ \\
& 5*d*f^2*h*m + 12*a^2*c^5*e*f^2*g*m - 6*a^2*c^5*e*f^2*h*1 - 6*a^2*c^5*f^2*g* \\
& h*j + 4*a^3*b*c^3*f*j^3*m + 4*a^3*b*c^3*g*j^3*1 + 4*a^3*b*c^3*h*j^3*k - 4*a \\
& ^3*b^3*c*d*1*m^3 - 4*a^3*b^3*c*e*k*m^3 + 2*a^3*b^3*c*f*j*m^3 - 12*a^3*c^4*d \\
& *f*h*m^2 - 12*a^3*c^4*e*f*g*m^2 + 3*a^4*b*c^2*d*1*m^3 + 3*a^4*b*c^2*e*k*m^3 \\
& - 3*b^3*c^4*d*e^2*j*k - 3*b^3*c^4*d^2*e*h*m - 6*a^2*c^5*d*f^2*j*1 - 6*a^2* \\
& c^5*e*f^2*j*k - 6*a^2*c^5*e^2*f*h*m + 6*a^2*c^5*e^2*g*h*1 + 6*a^3*c^4*d*e*j \\
& *m^2 - 6*a^3*c^4*e*g*h*1^2 - 3*b^3*c^4*d^2*e*j*1 + 6*a^2*c^5*d*e^2*k*m + 6* \\
& a^2*c^5*e^2*f*j*1 + 3*a^3*b*c^3*h^3*k*1 - 2*a^3*b^3*c*f*1^3*m + a^3*b^3*c*h \\
& *k*1^3 - 6*a^3*c^4*d*f*k*1^2 - 6*a^3*c^4*e*f*j*1^2 + 4*a^4*b*c^2*f*1^3*m + \\
& a^4*b*c^2*h*k*1^3 + 3*b^5*c^2*d*e*j^2*m + 6*a^2*c^5*d^2*e*1*m - 6*a^2*c^5*d \\
& ^2*f*k*m + 6*a^2*c^5*d^2*g*j*m - 6*a^2*c^5*d^2*g*k*1 + 6*a^3*c^4*d*f*k^2*m \\
& + 6*a^3*c^4*d*g*k^2*1 - 6*a^3*c^4*e*f*k^2*1 - 6*a^3*c^4*f*g*j*k^2 + 3*a^4*b \\
& ^2*c*g*1*m^3 + 3*a^4*b^2*c*h*k*m^3 + 3*b^4*c^3*d*e^2*k*m + 6*a^3*c^4*e*h*j^ \\
& 2*1 + 3*b^4*c^3*d^2*e*1*m + 6*a^3*c^4*d*h^2*k*m - 6*a^3*c^4*e*h^2*j*m - 6*a \\
& ^3*c^4*f*h^2*j*1 - 2*a^4*b*c^2*j*k^3*m + 6*a^3*c^4*e*g^2*1*m + 6*a^3*c^4*f* \\
& g^2*k*m + 2*a^4*b^2*c*j*1^3*m - 12*a^3*c^4*f^2*g*1*m - 12*a^3*c^4*f^2*h*k*m \\
& - 6*a^4*c^3*e*h*1*m^2 + 12*a^4*c^3*f*g*1*m^2 + 12*a^4*c^3*f*h*k*m^2 - 6*a^ \\
& 4*c^3*g*h*j*m^2 + 6*a^3*c^4*f^2*j*k*1 - 6*a^4*c^3*d*j*1*m^2 - 6*a^4*c^3*e*j \\
& *k*m^2 - 6*a^4*c^3*f*h*1^2*m - 6*a^3*c^4*e^2*j*1*m + 6*a^4*c^3*d*k*1^2*m + \\
& 6*a^4*c^3*e*j*1^2*m + 6*a^4*c^3*e*k^2*1*m + 6*a^4*c^3*g*j*k^2*m + 6*a^4*c^3 \\
& *h^2*j*1*m + 6*a^5*c^2*j*k*1*m^2 + 6*a*b^2*c^4*d*e*g*k^2 - 3*a*b^2*c^4*d*f* \\
& h*j^2 - 3*a*b^2*c^4*e*f*g*j^2 - 15*a*b^3*c^3*d*e*f*m^2 + 15*a^2*b*c^4*d*e*f \\
& *m^2 + 3*a*b^2*c^4*d*e*h^2*1 + 3*a*b^2*c^4*d*f*h^2*k + 3*a*b^2*c^4*d*g*h^2* \\
& j - 9*a*b^3*c^3*d*e*h*1^2 + 9*a^2*b*c^4*d*e*h*1^2 - 3*a^2*b*c^4*d*f*g*1^2 - \\
& 3*a*b^2*c^4*d*g^2*h*k + 3*a*b^2*c^4*e*f*g^2*1 + 3*a*b^2*c^4*e*g^2*h*j + 3* \\
& a*b^3*c^3*d*g*h*k^2 - 3*a^2*b*c^4*d*g*h*k^2 - 3*a^2*b*c^4*e*f*h*k^2 - 6*a*b \\
& ^2*c^4*d*f^2*h*m - 6*a*b^2*c^4*e*f^2*g*m + 6*a*b^2*c^4*e*f^2*h*1 - 3*a*b^2* \\
& c^4*f^2*g*h*j - 3*a*b^4*c^2*d*f*h*m^2 - 3*a*b^4*c^2*e*f*g*m^2 - 6*a^2*b*c^4 \\
& *d*f*j*k^2 + 9*a^2*b*c^4*f*g*h*j^2 - 3*a*b^2*c^4*d*f^2*j*1 - 3*a*b^2*c^4*e* \\
& f^2*j*k - 6*a*b^2*c^4*e^2*g*h*1 - 12*a*b^3*c^3*d*e*j^2*m - 3*a*b^3*c^3*d*g* \\
& h^2*m + 3*a*b^3*c^3*e*g*h^2*1 + 15*a*b^4*c^2*d*e*j*m^2 - 3*a*b^4*c^2*e*g*h* \\
& 1^2 + 3*a^2*b*c^4*d*e*j^2*m + 9*a^2*b*c^4*d*f*j^2*1 + 3*a^2*b*c^4*d*g*h^2*m \\
& + 9*a^2*b*c^4*e*f*j^2*k - 3*a^2*b*c^4*f*g*h^2*k - 9*a*b^2*c^4*d*e^2*k*m + \\
& 3*a*b^2*c^4*e^2*g*j*k - 3*a*b^3*c^3*d*h^2*j*k - 3*a*b^3*c^3*e*g^2*h*m + 6*a
\end{aligned}$$

$$\begin{aligned}
& ^2*b*c^4*d*h^2*j*k + 3*a^2*b*c^4*e*g^2*h*m - 3*a^2*b*c^4*f*g^2*h*1 - 9*a*b^2*c^4*d^2*e*1*m - 6*a*b^2*c^4*d^2*g*j*m + 3*a*b^2*c^4*d^2*g*k*1 + 3*a*b^2*c^4*d^2*h*j*1 - 3*a*b^3*c^3*e*g^2*j*1 + 3*a*b^3*c^3*f^2*g*h*m + 6*a^2*b*c^4*d*g^2*j*m + 6*a^2*b*c^4*e*g^2*j*1 - 6*a^2*b*c^4*f*g^2*j*k - 3*a^2*b*c^4*f^2*g*h*m - 3*a^3*b*c^3*f*g*h*m^2 + 3*a*b^3*c^3*d*f^2*1*m + 3*a*b^3*c^3*e*f^2*k*m + 3*a*b^3*c^3*f^2*g*j*1 + 3*a*b^3*c^3*f^2*h*j*k - 3*a*b^4*c^2*d*h*j^2*m - 3*a*b^4*c^2*e*g*j^2*m - 3*a^2*b*c^4*d*f^2*1*m - 3*a^2*b*c^4*e*f^2*k*m - 3*a^3*b*c^3*d*f*1*m^2 + 6*a^3*b*c^3*d*g*k*m^2 + 6*a^3*b*c^3*d*h*j*m^2 - 3*a^3*b*c^3*e*f*k*m^2 + 6*a^3*b*c^3*e*g*j*m^2 - 3*a*b^3*c^3*e^2*g*k*m + 3*a*b^4*c^2*d*h^2*k*m + 3*a^2*b*c^4*e^2*g*k*m + 6*a^2*b*c^4*e^2*h*j*m + 3*a^2*b*c^4*e^2*h*k*1 + 3*a^3*b*c^3*d*g*1^2*m - 6*a^3*b*c^3*e*f*1^2*m - 3*a^3*b*c^3*e*h*k*1^2 - 3*a^3*b*c^3*f*g*k*1^2 + 12*a^3*b*c^3*f*h*j*1^2 - 3*a*b^3*c^3*d^2*h*1*m + 3*a*b^4*c^2*e*g^2*1*m + 3*a^2*b*c^4*d^2*h*1*m + 6*a^3*b*c^3*d*j*k*1^2 + 3*a^3*b*c^3*e*h*k^2*m - 6*a^3*b*c^3*f*g*k^2*m - 3*a^3*b*c^3*f*h*k^2*1 - 3*a*b^4*c^2*f^2*g*1*m - 3*a*b^4*c^2*f^2*h*k*m + 6*a^2*b*c^4*d^2*j*k*m - 3*a^2*b^4*c*g*h*j*m^2 + 6*a^3*b*c^3*e*j*k^2*1 - 3*a^3*b*c^3*g*h*j^2*m - 3*a*b^4*c^2*f^2*j*k*1 - 3*a^2*b^4*c*d*j*1*m^2 - 3*a^2*b^4*c*e*j*k*m^2 - 3*a^3*b*c^3*d*j^2*1*m - 3*a^3*b*c^3*e*j^2*k*m - 6*a^3*b*c^3*f*h^2*1*m - 9*a^3*b*c^3*f*j^2*k*1 + 3*a^3*b*c^3*g*h^2*k*m + 3*a^2*b^4*c*d*k*1^2*m + 3*a^3*b*c^3*g^2*h*1*m + 3*a^2*b^4*c*e*k^2*1*m + 15*a^3*b*c^3*f^2*k*1*m + 6*a^3*b^3*c*f*k*1*m^2 + 3*a^3*b^3*c*g*j*1*m^2 + 3*a^3*b^3*c*h*j*k*m^2 - 9*a^4*b*c^2*f*k*1*m^2 - 3*a^3*b^3*c*g*k*1^2*m + 3*a^4*b*c^2*g*k*1^2*m - 6*a^4*b*c^2*h*j*1^2*m - 3*a^3*b^3*c*h*k^2*1*m + 3*a^4*b*c^2*h*k^2*1*m + 3*a^3*b^3*c*j^2*k*1*m + 3*a^4*b*c^2*j^2*k*1*m - 9*a^4*b^2*c*j*k*1*m^2 + 3*b^6*c*d*e*k*1*m + 12*a^2*b^2*c^3*d*f*h*m^2 + 12*a^2*b^2*c^3*e*f*g*m^2 - 15*a^2*b^2*c^3*d*e*j*m^2 + 6*a^2*b^2*c^3*e*g*h*1^2 + 3*a^2*b^2*c^3*d*f*k*1^2 + 3*a^2*b^2*c^3*d*g*j*1^2 + 6*a^2*b^2*c^3*e*f*j*1^2 - 3*a^2*b^2*c^3*d*g*k^2*1 + 3*a^2*b^2*c^3*e*f*k^2*1 + 3*a^2*b^2*c^3*e*h*j*k^2 + 6*a^2*b^2*c^3*f*g*j*k^2 + 3*a^2*b^3*c^2*f*g*h*m^2 + 9*a^2*b^2*c^3*d*h*j^2*m + 9*a^2*b^2*c^3*e*g*j^2*m - 6*a^2*b^2*c^3*f*g*j^2*1 - 6*a^2*b^2*c^3*f*h*j^2*k + 3*a^2*b^3*c^2*d*f*1*m^2 - 12*a^2*b^3*c^2*d*h*j*m^2 + 3*a^2*b^3*c^2*e*f*k*m^2 - 12*a^2*b^3*c^2*e*g*j*m^2 - 9*a^2*b^2*c^3*d*h^2*k*m - 3*a^2*b^2*c^3*e*h^2*k*1 + 6*a^2*b^2*c^3*f*h^2*j*1 + 3*a^2*b^2*c^3*g*h^2*j*k - 3*a^2*b^3*c^2*d*g*1^2*m + 3*a^2*b^3*c^2*e*h*k*1^2 - 6*a^2*b^3*c^2*f*h*j*1^2 - 9*a^2*b^2*c^3*e*g^2*1*m + 3*a^2*b^2*c^3*g^2*h*j*1 - 3*a^2*b^3*c^2*d*j*k*1^2 - 3*a^2*b^3*c^2*e*h*k^2*m + 9*a^2*b^2*c^3*f^2*g*1*m + 9*a^2*b^2*c^3*f^2*h*k*m - 3*a^2*b^3*c^2*e*j*k^2*1 + 3*a^2*b^3*c^2*g*h*j^2*m - 9*a^3*b^2*c^2*f*g*1*m^2 - 9*a^3*b^2*c^2*f*h*k*m^2 + 9*a^3*b^2*c^2*g*h*j*m^2 + 3*a^2*b^2*c^3*f^2*j*k*1 + 3*a^2*b^3*c^2*d*j^2*1*m + 3*a^2*b^3*c^2*e*j^2*k*m + 6*a^2*b^3*c^2*f*j^2*k*1 - 3*a^2*b^3*c^2*g*h^2*k*m + 9*a^3*b^2*c^2*d*j*1*m^2 + 9*a^3*b^2*c^2*e*j*k*m^2 + 6*a^3*b^2*c^2*f*h*1^2*m - 3*a^2*b^3*c^2*g^2*h*1*m - 9*a^3*b^2*c^2*d*k*1^2*m + 3*a^3*b^2*c^2*g*j*k*1^2 - 9*a^3*b^2*c^2*e*k^2*1*m + 3*a^3*b^2*c^2*h*j*k^2*1 - 12*a^2*b^3*c^2*f^2*k*1*m - 6*a^3*b^2*c^2*g*j^2*1*m - 6*a^3*b^2*c^2*h*j^2*k*m - 9*a*b*c^5*d*e*f*j^2 - 3*a*b*c^5*d*f*g*h^2 - 3*a*b*c^5*e*f*g^2*h - 9*a*b*c^5*d*e*f^2*m - 6*a*b*c^5*d*f^2*g*k + 6*a*b*c^5*d*f^2*h*j + 6*a*b*c^5*e*f^2*g*j + 3*a*b*c^5*d*e^2*g*m - 9*a*b*c^5*d*e^2*h*1 - 3*a*b*c^5*e^2*f*g*k + 3*b^2*c^5*d*e*f*g*h + 6*a*b*c^5*d*e^2*j*k + 3*a*b*c^5*d^2*e*h*m + 6*a*b*c^5*d^2*f*g*m - 3*a*b*c^5*d^2*f*h*1 + 3*a*b*c^5*d^2*g*h*k + 6*a*b*c^5*d^2*e*j*1 - 3*b^3*c^4*d*e*f*g*1 - 3*b^3*c^4*d*e*f*h*k - 3*b^3*c^4*d*e*g*h*j + 3*a*b^5*c*d*h*j*m^2 + 3*a*b^5*c*e*g*j*m^2 - 12*a^2*c^5*d*e*f*j*m + 12*a^2*c^5*d*e*f*k*1 + 12*a^2*c^5*d*f*g*j*k + 3*b^4*c^3*d*e*g*h*m - 6*b^4*c^3*d*e*f*j*m + 3*b^4*c^3*d*e*f*k*1 + 3*b^4*c^3*d*e*g*j*1 + 3*b^4*c^3*d*e*h*j*k - 3*b^5*c^2*d*e*g*1*m - 3*b^5*c^2*d*e*h*k*m - 3*b^5*c^2*d*e*j*k*1 + 3*a*b^5*c*f^2*k*1*m + 12*a^3*c^4*e*f*h*1*m + 12*a^3*c^4*f*g*h*j*m - 12*a^3*c^4*d*e*k*1*m + 12*a^3*c^4*d*f*j*1*m - 12*a^3*c^4*d*g*j*k*m + 12*a^3*c^4*e*f*j*k*m - 12*a^4*c^3*f*j*k*1*m - 3*a*b^2*c^4*d*e*g*h*m + 3*a*b^2*c^4*d*f*g*h*1 + 3*a*b^2*c^4*e*f*g*h*k + 24*a*b^2*c^4*d*e*f*j*m - 12*a*b^2*c^4*d*e*f*k*1 - 6*a*b^2*c^4*d*e*g*j*1 - 6*a*b^2*c^4*d*e*h*j*k + 9*a*b^3*c^3*d*e*g*1*m + 9*a*b^3*c^3*d*e*h*k*m + 6*a*b^3*c^3*d*f*h*j*m - 3*a*b^3*c^3*d*f*h*k*1 - 3*a*b^3*c^3*d*g*h*j*1 + 6*a*b^3*c^3*e*f*g*
\end{aligned}$$

$$\begin{aligned}
& j^m - 3a^2b^3c^3efg^*k^*l - 3a^2b^3c^3e^*g^*h^*j^*k - 6a^2b^3c^4d^*e^*g^*l^*m \\
& - 6a^2b^3c^4d^*e^*h^*k^*m - 12a^2b^3c^4d^*f^*h^*j^*m + 6a^2b^3c^4d^*f^*h^*k^*l - \\
& 12a^2b^3c^4e^*f^*g^*j^*m + 6a^2b^3c^4e^*f^*g^*k^*l - 12a^2b^3c^4e^*f^*h^*j^*l + \\
& 12a^2b^3c^4e^*f^*g^*k^*l - 12a^2b^3c^4d^*e^*j^*k^*l + 3a^2b^4c^2d^*g^*h^*l^*m + 3 \\
& a^2b^4c^2e^*g^*h^*k^*m - 15a^2b^4c^2d^*e^*k^*l^*m + 3a^2b^4c^2d^*h^*j^*k^*l + 3a \\
& b^4c^2e^*g^*j^*k^*l - 6a^3b^3c^3d^*h^*k^*l^*m - 6a^3b^3c^3e^*g^*k^*l^*m + 3a^2b \\
& b^4c^3g^*h^*k^*l^*m - 6a^2b^4c^3f^*j^*k^*l^*m - 3a^2b^2c^3d^*g^*h^*l^*m - 3a^2b \\
& ^2c^3e^*g^*h^*k^*m - 12a^2b^2c^3f^*g^*h^*j^*m + 3a^2b^2c^3f^*g^*h^*k^*l + 24a \\
& a^2b^2c^3d^*e^*k^*l^*m - 12a^2b^2c^3d^*f^*j^*l^*m - 6a^2b^2c^3d^*h^*j^*k^*l \\
& - 12a^2b^2c^3e^*f^*j^*k^*m - 6a^2b^2c^3e^*g^*j^*k^*l + 9a^2b^3c^2d^*h^*k^* \\
& l^*m + 9a^2b^3c^2e^*g^*k^*l^*m + 6a^2b^3c^2f^*g^*j^*l^*m + 6a^2b^3c^2f^*h \\
& ^*j^*k^*m - 3a^2b^3c^2g^*h^*j^*k^*l - 3a^3b^2c^2g^*h^*k^*l^*m + 12a^3b^2c^2 \\
& ^*f^*j^*k^*l^*m + 6a^2b^3c^5d^*e^*f^*g^*l + 6a^2b^3c^5d^*e^*f^*h^*k - 3a^2b^5c^4d^*h^*k^*l^* \\
& m - 3a^2b^5c^4e^*g^*k^*l^*m)/c^3 - \text{root}(34992a^4b^2c^8z^6 - 8748a^3b^4c^ \\
& 7z^6 + 729a^2b^6c^6z^6 - 46656a^5c^9z^6 + 34992a^4b^3c^6m^*z^5 - \\
& 8748a^3b^5c^5m^*z^5 + 729a^2b^7c^4m^*z^5 - 34992a^4b^2c^7j^*z^5 + \\
& 8748a^3b^4c^6j^*z^5 - 729a^2b^6c^5j^*z^5 - 46656a^5b^*c^7m^*z^5 + 4 \\
& 6656a^5c^8j^*z^5 + 34992a^5b^*c^6j^*m^*z^4 - 11664a^5b^*c^6k^*l^*z^4 + 38 \\
& 88a^4b^*c^7f^*j^*z^4 + 3888a^4b^*c^7e^*k^*z^4 + 3888a^4b^*c^7d^*l^*z^4 + 38 \\
& 88a^4b^*c^7g^*h^*z^4 + 3888a^3b^*c^8d^*e^*z^4 + 243a^2b^5c^6d^*e^*z^4 - 252 \\
& 72a^4b^3c^5j^*m^*z^4 + 9720a^4b^3c^5k^*l^*z^4 + 6075a^3b^5c^4j^*m^*z^ \\
& 4 - 2673a^3b^5c^4k^*l^*z^4 - 486a^2b^7c^3j^*m^*z^4 + 243a^2b^7c^3k^* \\
& l^*z^4 - 7776a^4b^2c^6h^*k^*z^4 - 7776a^4b^2c^6g^*l^*z^4 - 7776a^4b^2c^ \\
& ^6f^*m^*z^4 + 2430a^3b^4c^5h^*k^*z^4 + 2430a^3b^4c^5g^*l^*z^4 + 2430a^ \\
& 3b^4c^5f^*m^*z^4 - 243a^2b^6c^4h^*k^*z^4 - 243a^2b^6c^4g^*l^*z^4 - 243 \\
& a^2b^6c^4f^*m^*z^4 - 1944a^3b^3c^6f^*j^*z^4 - 1944a^3b^3c^6e^*k^*z^4 \\
& - 1944a^3b^3c^6d^*l^*z^4 + 243a^2b^5c^5f^*j^*z^4 + 243a^2b^5c^5e^*k^* \\
& z^4 + 243a^2b^5c^5d^*l^*z^4 - 1944a^3b^3c^6g^*h^*z^4 + 243a^2b^5c^5g^ \\
& ^*h^*z^4 + 3888a^3b^2c^7e^*g^*z^4 + 3888a^3b^2c^7d^*h^*z^4 - 486a^2b^4 \\
& ^*c^6e^*g^*z^4 - 486a^2b^4c^6d^*h^*z^4 - 1944a^2b^3c^7d^*e^*z^4 + 7776a^ \\
& 5c^7h^*k^*z^4 + 7776a^5c^7g^*l^*z^4 + 7776a^5c^7f^*m^*z^4 - 7776a^4c^8 \\
& ^*e^*g^*z^4 - 7776a^4c^8d^*h^*z^4 - 13608a^5b^2c^5m^2z^4 + 11421a^4b^4c^ \\
& ^4m^2z^4 - 2916a^3b^6c^3m^2z^4 + 243a^2b^8c^2m^2z^4 + 13608a^ \\
& 4b^2c^6j^2z^4 - 3159a^3b^4c^5j^2z^4 + 243a^2b^6c^4j^2z^4 + 19 \\
& 44a^3b^2c^7f^2z^4 - 243a^2b^4c^6f^2z^4 - 3888a^6c^6m^2z^4 - 1 \\
& 9440a^5c^7j^2z^4 - 3888a^4c^8f^2z^4 + 3078a^4b^4c^3k^*l^*m^*z^3 - \\
& 2592a^5b^2c^4k^*l^*m^*z^3 - 891a^3b^6c^2k^*l^*m^*z^3 - 4536a^4b^3c^4j \\
& ^*k^*l^*z^3 + 1053a^3b^5c^3j^*k^*l^*z^3 - 81a^2b^7c^2j^*k^*l^*z^3 - 2592a^4 \\
& ^*b^3c^4h^*k^*m^*z^3 - 2592a^4b^3c^4g^*l^*m^*z^3 + 810a^3b^5c^3h^*k^*m^*z^3 \\
& + 810a^3b^5c^3g^*l^*m^*z^3 - 81a^2b^7c^2h^*k^*m^*z^3 - 81a^2b^7c^2g^* \\
& l^*m^*z^3 + 7776a^4b^2c^5f^*j^*m^*z^3 + 3888a^4b^2c^5h^*j^*k^*z^3 + 3888a^ \\
& 4b^2c^5g^*j^*l^*z^3 - 3888a^4b^2c^5f^*k^*l^*z^3 - 2916a^3b^4c^4f^*j^*m^*z^ \\
& ^3 + 1458a^3b^4c^4f^*k^*l^*z^3 - 972a^3b^4c^4h^*j^*k^*z^3 - 972a^3b^4c^ \\
& ^4g^*j^*l^*z^3 - 486a^3b^4c^4e^*k^*m^*z^3 - 486a^3b^4c^4d^*l^*m^*z^3 + 324a \\
& ^2b^6c^3f^*j^*m^*z^3 - 162a^2b^6c^3f^*k^*l^*z^3 + 81a^2b^6c^3h^*j^*k^*z^ \\
& 3 + 81a^2b^6c^3g^*j^*l^*z^3 + 81a^2b^6c^3e^*k^*m^*z^3 + 81a^2b^6c^3d^* \\
& l^*m^*z^3 - 486a^3b^4c^4g^*h^*m^*z^3 + 81a^2b^6c^3g^*h^*m^*z^3 + 648a^3b^ \\
& 3c^5e^*j^*k^*z^3 + 648a^3b^3c^5d^*j^*l^*z^3 - 81a^2b^5c^4e^*j^*k^*z^3 - 81 \\
& a^2b^5c^4d^*j^*l^*z^3 + 2592a^3b^3c^5e^*g^*m^*z^3 + 2592a^3b^3c^5d^*h^* \\
& m^*z^3 - 1296a^3b^3c^5f^*h^*k^*z^3 - 1296a^3b^3c^5f^*g^*l^*z^3 - 1296a^3b^ \\
& 3c^5e^*h^*l^*z^3 + 648a^3b^3c^5g^*h^*j^*z^3 - 324a^2b^5c^4e^*g^*m^*z^3 - \\
& 324a^2b^5c^4d^*h^*m^*z^3 + 162a^2b^5c^4f^*h^*k^*z^3 + 162a^2b^5c^4f^* \\
& g^*l^*z^3 + 162a^2b^5c^4e^*h^*l^*z^3 - 81a^2b^5c^4g^*h^*j^*z^3 + 5184a^3b \\
& ^2c^6d^*e^*m^*z^3 - 2592a^3b^2c^6e^*g^*j^*z^3 - 2592a^3b^2c^6d^*h^*j^*z^3 \\
& - 2106a^2b^4c^5d^*e^*m^*z^3 + 1296a^3b^2c^6e^*f^*k^*z^3 + 1296a^3b^2c^ \\
& 6d^*g^*k^*z^3 + 1296a^3b^2c^6d^*f^*l^*z^3 + 324a^2b^4c^5e^*g^*j^*z^3 + 324a \\
& ^2b^4c^5d^*h^*j^*z^3 - 162a^2b^4c^5e^*f^*k^*z^3 - 162a^2b^4c^5d^*g^*k^*z^ \\
& ^3 - 162a^2b^4c^5d^*f^*l^*z^3 + 1296a^3b^2c^6f^*g^*h^*z^3 - 162a^2b^4c^ \\
& ^5f^*g^*h^*z^3 + 1944a^2b^3c^6d^*e^*j^*z^3 - 1296a^2b^2c^7d^*e^*f^*z^3 + 81
\end{aligned}$$

$$\begin{aligned}
& a^2 b^8 c^k l^m z^3 + 6480 a^5 b^c^5 j^k l^m z^3 + 2592 a^5 b^c^5 h^k m^m z^3 \\
& + 2592 a^5 b^c^5 g^l^m z^3 - 1296 a^4 b^c^6 e^j k^m z^3 - 1296 a^4 b^c^6 d^j^m \\
& l^m z^3 - 5184 a^4 b^c^6 e^g^m z^3 - 5184 a^4 b^c^6 d^h^m z^3 + 2592 a^4 b^c^6 \\
& f^h k^m z^3 + 2592 a^4 b^c^6 f^g^l^m z^3 + 2592 a^4 b^c^6 e^h l^m z^3 - 1296 a^4 \\
& b^c^6 g^h j^m z^3 + 243 a^3 b^6 c^4 d^e m^m z^3 - 3888 a^3 b^c^7 d^e j^m z^3 - 24 \\
& 3 a^3 b^5 c^5 d^e j^m z^3 + 162 a^3 b^4 c^6 d^e f^m z^3 - 2592 a^6 c^5 k^l^m z^3 - \\
& 5184 a^5 c^6 h^j k^m z^3 - 5184 a^5 c^6 g^j^l^m z^3 - 5184 a^5 c^6 f^j^m z^3 + \\
& 2592 a^5 c^6 f^k^l^m z^3 + 2592 a^5 c^6 e^k^m z^3 + 2592 a^5 c^6 d^l^m z^3 + \\
& 2592 a^5 c^6 g^h^m z^3 + 5184 a^4 c^7 e^g^j^m z^3 + 5184 a^4 c^7 d^h^j^m z^3 - \\
& 2592 a^4 c^7 e^f^k^m z^3 - 2592 a^4 c^7 d^g^k^m z^3 - 2592 a^4 c^7 d^f^l^m z^3 - \\
& 2592 a^4 c^7 d^e m^m z^3 - 2592 a^4 c^7 f^g^h^m z^3 + 2592 a^3 c^8 d^e f^m z^3 + \\
& 6480 a^5 b^2 c^4 j^m^2 z^3 + 6480 a^4 b^3 c^4 j^2 m^m z^3 - 5022 a^4 b^4 c^3 j^m^2 z^3 - \\
& 1296 a^3 b^5 c^3 j^2 m^m z^3 + 1134 a^3 b^6 c^2 j^m^2 z^3 + 81 a^2 b^7 c^2 j^2 m^m z^3 \\
& + 2592 a^4 b^3 c^4 h^l^2 z^3 - 1944 a^4 b^2 c^5 h^2 l^m z^3 - 810 a^3 b^5 c^3 h^l^2 z^3 \\
& + 729 a^3 b^4 c^4 h^2 l^m z^3 + 81 a^2 b^7 c^2 h^l^2 z^3 - 81 a^2 b^6 c^3 h^2 l^m z^3 - \\
& 5184 a^4 b^3 c^4 f^m^2 z^3 + 1620 a^3 b^5 c^3 f^m^2 z^3 + 1296 a^3 b^3 c^5 f^2 m^m z^3 - \\
& 162 a^2 b^7 c^2 f^m^2 z^3 - 162 a^2 b^5 c^4 f^2 m^m z^3 - 1944 a^4 b^2 c^5 g^k^2 z^3 + \\
& 729 a^3 b^4 c^4 g^k^2 z^3 - 648 a^3 b^3 c^5 g^2 k^m z^3 - 81 a^2 b^6 c^3 g^k^2 z^3 + \\
& 81 a^2 b^5 c^4 g^2 k^m z^3 - 1944 a^4 b^2 c^5 e^l^2 z^3 + 729 a^3 b^4 c^4 e^l^2 z^3 \\
& + 648 a^3 b^2 c^6 e^2 l^m z^3 - 81 a^2 b^6 c^3 e^l^2 z^3 - 81 a^2 b^4 c^5 e^2 l^m z^3 \\
& + 1296 a^3 b^3 c^5 f^j^2 z^3 - 1296 a^3 b^2 c^6 f^2 j^m z^3 - 162 a^2 b^5 c^4 f^j^2 z^3 \\
& + 162 a^2 b^4 c^5 f^2 j^m z^3 - 648 a^3 b^3 c^5 d^k^2 z^3 + 81 a^2 b^5 c^4 d^k^2 z^3 \\
& + 648 a^3 b^2 c^6 e^h^2 z^3 - 81 a^2 b^4 c^5 e^h^2 z^3 - 648 a^2 b^2 c^7 d^2 g^m z^3 - \\
& 10368 a^5 b^c^5 j^2 m^m z^3 - 81 a^2 b^8 c^j^m^2 z^3 - 2592 a^5 b^c^5 h^l^2 z^3 + \\
& 5184 a^5 b^c^5 f^m^2 z^3 - 2592 a^4 b^c^6 f^2 m^m z^3 + 1296 a^4 b^c^6 g^2 k^m z^3 - \\
& 2592 a^4 b^c^6 f^j^2 z^3 + 1296 a^4 b^c^6 d^k^2 z^3 + 81 a^3 b^4 c^6 d^2 g^m z^3 + \\
& 2592 a^6 c^5 j^m^2 z^3 + 1296 a^5 c^6 h^2 l^m z^3 + 1296 a^5 c^6 g^k^2 z^3 + \\
& 1296 a^5 c^6 e^l^2 z^3 - 1296 a^4 c^7 e^2 l^m z^3 + 2592 a^4 c^7 f^2 j^m z^3 - \\
& 2592 a^6 b^c^4 m^3 z^3 - 324 a^3 b^7 c^m^3 z^3 - 27 a^2 b^8 c^l^3 z^3 - 1296 a^4 c^7 e^h^2 z^3 - \\
& 864 a^5 b^c^5 k^3 z^3 + 1296 a^3 c^8 d^2 g^m z^3 + 432 a^4 b^c^6 h^3 z^3 + 27 a^3 b^4 c^6 e^3 z^3 \\
& - 432 a^2 b^c^8 d^3 z^3 + 216 a^3 b^3 c^7 d^3 z^3 + 1134 a^4 b^5 c^2 m^3 z^3 - 432 a^5 b^3 c^3 m^3 z^3 \\
& + 1512 a^5 b^2 c^4 l^3 z^3 - 1107 a^4 b^4 c^3 l^3 z^3 + 297 a^3 b^6 c^2 l^3 z^3 + 864 a^4 b^3 c^4 k^3 z^3 \\
& - 270 a^3 b^5 c^3 k^3 z^3 + 27 a^2 b^7 c^2 k^3 z^3 - 2592 a^4 b^2 c^5 j^3 z^3 + 486 a^3 b^4 c^4 j^3 z^3 \\
& - 27 a^2 b^6 c^3 j^3 z^3 - 216 a^3 b^3 c^5 h^3 z^3 + 27 a^2 b^5 c^4 h^3 z^3 + 216 a^3 b^2 c^6 g^3 z^3 \\
& - 27 a^2 b^4 c^5 g^3 z^3 - 216 a^2 b^2 c^7 e^3 z^3 - 432 a^6 c^5 l^3 z^3 + 27 a^2 b^9 m^3 z^3 \\
& + 4320 a^5 c^6 j^3 z^3 - 432 a^4 c^7 g^3 z^3 + 432 a^3 c^8 e^3 z^3 - 27 b^5 c^6 d^3 z^3 \\
& + 81 a^3 b^6 c^j^k l^m z^2 - 1296 a^5 b^c^4 h^j k^m z^2 - 1296 a^5 b^c^4 g^j^l^m z^2 + \\
& 1296 a^5 b^c^4 f^k^l^m z^2 - 81 a^2 b^7 c^f^k^l^m z^2 + 2592 a^4 b^c^5 e^g^j^m z^2 + \\
& 2592 a^4 b^c^5 d^h^j^m z^2 - 1296 a^4 b^c^5 f^h^j k^m z^2 - 1296 a^4 b^c^5 f^g^j^l^m z^2 - \\
& 1296 a^4 b^c^5 e^f^k^m z^2 - 1296 a^4 b^c^5 d^f^l^m z^2 - 648 a^4 b^c^5 e^h^j^l^m z^2 - \\
& 648 a^4 b^c^5 e^g^k^l^m z^2 - 648 a^4 b^c^5 d^h^k^l^m z^2 - 648 a^4 b^c^5 d^g^k^m z^2 - \\
& 1296 a^4 b^c^5 f^g^h^m z^2 - 162 a^3 b^6 c^3 d^e j^m z^2 + 81 a^3 b^6 c^3 d^e k^l^m z^2 + \\
& 1296 a^3 b^c^6 d^e f^m z^2 - 648 a^3 b^c^6 d^f g^k^m z^2 - 648 a^3 b^c^6 d^e h^k^m z^2 - \\
& 648 a^3 b^c^6 d^e g^l^m z^2 - 81 a^3 b^5 c^4 d^e h^k^m z^2 - 81 a^3 b^5 c^4 d^e g^l^m z^2 \\
& + 81 a^3 b^5 c^4 d^e f^m z^2 - 81 a^3 b^4 c^5 d^e f^j^m z^2 + 81 a^3 b^4 c^5 d^e g^h^m z^2 \\
& + 648 a^5 b^2 c^3 j^k l^m z^2 - 567 a^4 b^4 c^2 j^k l^m z^2 - 1944 a^4 b^3 c^3 f^k^l^m z^2 \\
& + 729 a^3 b^5 c^2 f^k^l^m z^2 + 648 a^4 b^3 c^3 h^j k^m z^2 + 648 a^4 b^3 c^3 g^j^l^m z^2 - \\
& 81 a^3 b^5 c^2 h^j k^m z^2 - 81 a^3 b^5 c^2 g^j^l^m z^2 + 1944 a^4 b^2 c^4 f^j k^l^m z^2 - \\
& 729 a^3 b^4 c^3 f^j k^l^m z^2 + 648 a^4 b^2 c^4 e^j k^m z^2 + 648 a^4 b^2 c^4 d^j k^l^m z^2 \\
& - 81 a^3 b^4 c^3 e^j k^m z^2 - 81 a^3 b^4 c^3 d^j k^l^m z^2 + 81 a^2 b^6 c^2 f^j k^l^m z^2 \\
& + 1296 a^4 b^2 c^4 f^h^k^m z^2 + 1296 a^4 b^2 c^4 f^g^l^m z^2 + 648 a^4 b^2 c^4 g^h^j^m z^2 - \\
& 648 a^3 b^4 c^3 f^h^k^m z^2 - 648 a^3 b^4 c^3 f^g^l^m z^2 - 324 a^4 b^2 c^4 e^h^l^m z^2 - \\
& 324 a^4 b^2 c^4 e^h^l^m z^2
\end{aligned}$$

$$\begin{aligned}
& *mz^2 + 81a^3b^4c^3g^h*k^1*z^2 - 81a^3b^4c^3g^h*j*mz^2 + 81a^2b^6c^2f^h*k*mz^2 + 81a^2b^6c^2f^g*l*mz^2 - 1296a^3b^3c^4e^g*j*mz^2 - 1296a^3b^3c^4d^h*j*mz^2 + 648a^3b^3c^4f^h*j*kz^2 + 648a^3b^3c^4f^g*j^1*z^2 + 648a^3b^3c^4e^f*k*mz^2 + 648a^3b^3c^4d^f*l*mz^2 + 486a^3b^3c^4e^g*k^1*z^2 + 486a^3b^3c^4d^h*k^1*z^2 + 162a^3b^3c^4e^h*j^1*z^2 + 162a^3b^3c^4d^g*k^1*mz^2 + 162a^2b^5c^3e^g*j*mz^2 + 162a^2b^5c^3d^h*j*mz^2 - 81a^2b^5c^3f^h*j*kz^2 - 81a^2b^5c^3f^g*j^1*z^2 - 81a^2b^5c^3e^g*k^1*z^2 - 81a^2b^5c^3e^f*k^1*mz^2 - 81a^2b^5c^3d^h*k^1*z^2 - 81a^2b^5c^3d^f*l*mz^2 + 648a^3b^3c^4f^g^h*mz^2 - 81a^2b^5c^3f^g^h*mz^2 - 3240a^3b^2c^5d^e*j*mz^2 + 1620a^3b^2c^5d^e*k^1*z^2 + 1377a^2b^4c^4d^e*j*mz^2 - 648a^3b^2c^5e^f*j*kz^2 - 648a^3b^2c^5d^f*j^1*z^2 - 648a^2b^4c^4d^e*k^1*z^2 - 324a^3b^2c^5d^g*j*kz^2 + 81a^2b^4c^4e^f*j*kz^2 + 81a^2b^4c^4d^f*j^1*z^2 + 972a^3b^2c^5e^f^h^1*z^2 - 648a^3b^2c^5f^g^h*jz^2 - 324a^3b^2c^5e^g^h*kz^2 - 324a^3b^2c^5d^g^h^1*z^2 - 162a^2b^4c^4e^f^h^1*z^2 + 81a^2b^4c^4f^g^h*jz^2 + 81a^2b^4c^4e^g^h*kz^2 + 81a^2b^4c^4d^g^h^1*z^2 - 648a^2b^3c^5d^e^f^mz^2 + 486a^2b^3c^5d^e^h^kz^2 + 486a^2b^3c^5d^e^g^l^1*z^2 + 162a^2b^3c^5d^f^g^kz^2 + 648a^2b^2c^6d^e^f^jz^2 - 324a^2b^2c^6d^e^g^h^1z^2 - 1296a^6b^c^3k^1m^2z^2 - 81a^4b^5c^k^1m^2z^2 - 1296a^5b^c^4j^2k^1z^2 - 324a^5b^c^4h^2l^1mz^2 + 324a^5b^c^4h^k^2l^1z^2 - 324a^5b^c^4g^k^2mz^2 + 972a^5b^c^4h^j^1^2z^2 + 324a^5b^c^4g^k^1^2z^2 - 324a^5b^c^4e^l^2mz^2 - 324a^4b^c^5e^2l^1mz^2 - 1944a^5b^c^4f^j^m^2z^2 + 1296a^5b^c^4e^k^m^2z^2 + 1296a^5b^c^4d^l^m^2z^2 + 648a^4b^c^5f^2j^mz^2 + 81a^2b^7c^f^j^m^2z^2 + 1296a^5b^c^4g^h^m^2z^2 - 324a^4b^c^5g^2j^kz^2 + 324a^4b^c^5g^2h^1z^2 + 972a^4b^c^5f^h^2l^1z^2 + 324a^4b^c^5g^h^2kz^2 - 324a^4b^c^5e^h^2mz^2 - 324a^4b^c^5d^j^k^2z^2 - 324a^3b^c^6d^2j^kz^2 + 972a^4b^c^5f^g^k^2z^2 + 972a^3b^c^6d^2g^mz^2 + 324a^4b^c^5e^h^k^2z^2 + 324a^3b^c^6d^2h^1z^2 + 81a^b^5c^4d^2g^mz^2 + 972a^4b^c^5e^f^l^2z^2 + 324a^4b^c^5d^g^l^2z^2 - 324a^3b^c^6e^2h^jz^2 + 324a^3b^c^6e^2g^kz^2 - 324a^3b^c^6e^2f^l^1z^2 - 1296a^4b^c^5d^e^m^2z^2 + 81a^b^7c^2d^e^m^2z^2 - 324a^3b^c^6d^g^2jz^2 - 81a^b^4c^5d^2g^jz^2 + 81a^b^4c^5d^2e^l^1z^2 + 324a^3b^c^6e^g^2h^1z^2 + 81a^b^4c^5d^e^2kz^2 + 1296a^3b^c^6d^e^j^2z^2 - 324a^3b^c^6e^f^h^2z^2 + 324a^3b^c^6d^g^h^2z^2 + 81a^b^5c^4d^e^j^2z^2 - 324a^2b^c^7d^2f^g^z^2 + 324a^2b^c^7d^2e^h^1z^2 + 81a^b^3c^6d^2f^g^z^2 - 81a^b^3c^6d^2e^h^1z^2 + 324a^2b^c^7d^e^2g^z^2 - 81a^b^3c^6d^e^2g^z^2 + 1296a^6c^4j^k^1mz^2 - 1296a^5c^5f^j^k^1z^2 - 1296a^5c^5e^j^k^1mz^2 - 1296a^5c^5d^j^1mz^2 - 1296a^5c^5g^h^j^1mz^2 + 1296a^5c^5e^h^1mz^2 + 1296a^4c^6e^f^j^kz^2 + 1296a^4c^6d^g^j^kz^2 + 1296a^4c^6d^f^j^1z^2 - 1296a^4c^6d^e^k^1z^2 + 1296a^4c^6d^e^j^1mz^2 + 1296a^4c^6f^g^h^jz^2 - 1296a^4c^6e^f^h^1z^2 - 1296a^3c^7d^e^f^jz^2 + 648a^5b^3c^2k^1m^2z^2 + 648a^4b^3c^3j^2k^1z^2 + 486a^5b^2c^3h^1^2mz^2 - 81a^4b^4c^2h^1^2mz^2 + 81a^4b^3c^3h^2l^1mz^2 - 81a^3b^5c^2j^2k^1z^2 - 162a^4b^2c^4g^2k^1mz^2 - 81a^4b^3c^3h^k^2l^1z^2 + 81a^4b^3c^3g^k^2mz^2 - 567a^4b^3c^3h^j^1^2z^2 + 486a^4b^2c^4h^2j^1z^2 - 81a^4b^3c^3g^k^1^2z^2 + 81a^4b^3c^3e^l^2mz^2 + 81a^3b^5c^2h^j^1^2z^2 - 81a^3b^4c^3h^2j^1z^2 + 81a^3b^3c^4e^2l^1mz^2 + 2430a^4b^3c^3f^j^m^2z^2 - 2268a^4b^2c^4f^j^2mz^2 - 810a^3b^5c^2f^j^m^2z^2 + 810a^3b^4c^3f^j^2mz^2 - 648a^4b^3c^3e^k^m^2z^2 - 648a^4b^3c^3d^l^m^2z^2 - 648a^4b^2c^4h^j^2kz^2 - 648a^4b^2c^4g^j^2l^1z^2 - 162a^3b^3c^4f^2j^mz^2 + 81a^3b^5c^2e^k^m^2z^2 + 81a^3b^5c^2d^l^m^2z^2 + 81a^3b^4c^3h^j^2kz^2 + 81a^3b^4c^3g^j^2l^1z^2 - 81a^2b^6c^2f^j^2mz^2 - 648a^4b^3c^3g^h^m^2z^2 + 486a^4b^2c^4g^j^k^2z^2 - 486a^4b^2c^4e^k^2l^1z^2 + 486a^3b^2c^5d^2k^1mz^2 - 162a^4b^2c^4d^k^2mz^2 + 81a^3b^5c^2g^h^m^2z^2 - 81a^3b^4c^3g^j^k^2z^2 + 81a^3b^4c^3e^k^2l^1z^2 + 81a^3b^3c^4g^2j^kz^2 - 81a^2b^4c^4d^2k^1mz^2 + 486a^4b^2c^4e^j^1^2z^2 - 486a^4b^2c^4d^k^1^2z^2 -
\end{aligned}$$

$$\begin{aligned}
& 162a^3b^2c^5e^2j^1l^1z^2 - 81a^3b^4c^3e^2j^1l^2z^2 + 81a^3b^4c^3d \\
& *k^1l^2z^2 - 81a^3b^3c^4g^2h^1l^1z^2 - 1458a^4b^2c^4f^1h^1l^2z^2 + 64 \\
& 8a^3b^4c^3f^1h^1l^2z^2 - 567a^3b^3c^4f^1h^2l^1z^2 + 486a^3b^2c^5e \\
& ^2h^1m^1z^2 - 81a^3b^3c^4g^2h^2k^1z^2 + 81a^3b^3c^4e^2h^2m^1z^2 - 81a \\
& ^2b^6c^2f^1h^1l^2z^2 + 81a^2b^5c^3f^1h^2l^1z^2 - 81a^2b^4c^4e^2h^1 \\
& m^1z^2 - 1296a^4b^2c^4e^2g^1m^2z^2 - 1296a^4b^2c^4d^1h^1m^2z^2 + 648a \\
& ^3b^4c^3e^2g^1m^2z^2 + 648a^3b^4c^3d^1h^1m^2z^2 + 81a^3b^3c^4d^1j^1k \\
& ^2z^2 - 81a^2b^6c^2e^2g^1m^2z^2 - 81a^2b^6c^2d^1h^1m^2z^2 + 81a^2b \\
& ^3c^5d^2j^1k^1z^2 - 567a^3b^3c^4f^1g^1k^2z^2 - 567a^2b^3c^5d^2g^1m^1 \\
& z^2 + 486a^3b^2c^5f^1g^2k^1z^2 - 486a^3b^2c^5e^2g^2l^1z^2 + 486a^3b \\
& ^2c^5d^2g^2m^1z^2 - 81a^3b^3c^4e^2h^1k^2z^2 + 81a^2b^5c^3f^1g^1k^2z^2 \\
& - 81a^2b^4c^4f^1g^2k^1z^2 + 81a^2b^4c^4e^2g^2l^1z^2 - 81a^2b^4c^4 \\
& d^1g^2m^1z^2 - 81a^2b^3c^5d^2h^1l^1z^2 - 567a^3b^3c^4e^2f^1l^2z^2 - \\
& 486a^3b^2c^5d^1h^2k^1z^2 - 162a^3b^2c^5e^2h^2j^1z^2 - 81a^3b^3c^4* \\
& d^1g^1l^2z^2 + 81a^2b^5c^3e^2f^1l^2z^2 + 81a^2b^4c^4d^1h^2k^1z^2 + 81* \\
& a^2b^3c^5e^2h^1j^1z^2 - 81a^2b^3c^5e^2g^1k^1z^2 + 81a^2b^3c^5e^2f^1 \\
& *l^1z^2 + 1944a^3b^3c^4d^1e^1m^2z^2 - 729a^2b^5c^3d^1e^1m^2z^2 + 648a \\
& ^3b^2c^5e^2g^1j^2z^2 + 648a^3b^2c^5d^1h^1j^2z^2 - 81a^2b^4c^4e^2g^1j \\
& ^2z^2 - 81a^2b^4c^4d^1h^1j^2z^2 + 486a^3b^2c^5d^1f^1k^2z^2 + 486a^2 \\
& *b^2c^6d^2g^1j^1z^2 - 486a^2b^2c^6d^2e^1l^1z^2 - 162a^2b^2c^6d^2f^1 \\
& k^1z^2 - 81a^2b^4c^4d^1f^1k^2z^2 + 81a^2b^3c^5d^2g^2j^1z^2 - 486a^2b \\
& ^2c^6d^2e^2k^1z^2 - 81a^2b^3c^5e^2g^2h^1z^2 - 648a^2b^3c^5d^1e^1j^2z \\
& ^2 - 162a^2b^2c^6e^2f^1h^1z^2 + 81a^2b^3c^5e^2f^1h^2z^2 - 81a^2b^3* \\
& c^5d^1g^2h^2z^2 - 162a^2b^2c^6d^1f^1g^2z^2 - 189a^5b^3c^2l^3m^1z^2 + \\
& 162a^5b^2c^3k^3m^1z^2 - 27a^4b^4c^2k^3m^1z^2 - 702a^4b^3c^3j^3 \\
& *m^1z^2 - 81a^3b^6c^2j^2m^2z^2 + 81a^3b^5c^2j^3m^1z^2 - 54a^5b^3c \\
& ^2j^1m^3z^2 - 486a^5b^2c^3j^1l^3z^2 + 216a^4b^4c^2j^1l^3z^2 - 189* \\
& a^4b^3c^3j^1k^3z^2 - 54a^4b^2c^4h^3m^1z^2 + 27a^3b^5c^2j^1k^3z^2 \\
& + 27a^3b^3c^4g^3m^1z^2 - 810a^4b^4c^2f^1m^3z^2 + 540a^5b^2c^3f^1 \\
& *m^3z^2 - 324a^3b^2c^5f^1m^3z^2 + 54a^2b^4c^4f^1m^3z^2 + 675a^4b \\
& ^3c^3f^1l^3z^2 - 243a^3b^5c^2f^1l^3z^2 - 189a^2b^3c^5e^3m^1z^2 + \\
& 27a^3b^3c^4h^3j^1z^2 - 486a^4b^2c^4f^1k^3z^2 - 486a^2b^2c^6d^3* \\
& m^1z^2 + 216a^3b^4c^3f^1k^3z^2 - 54a^3b^2c^5g^3j^1z^2 - 27a^2b^6c \\
& ^2f^1k^3z^2 - 270a^3b^3c^4f^1j^3z^2 - 54a^2b^3c^5f^1j^3z^2 + 27a^2 \\
& *b^5c^3f^1j^3z^2 + 162a^2b^2c^6e^3j^1z^2 + 162a^3b^2c^5f^1h^3z^2 \\
& - 27a^2b^4c^4f^1h^3z^2 + 27a^2b^3c^5f^1g^3z^2 + 81a^2b^2c^7d^2e^1 \\
& ^2z^2 - 648a^6c^4h^1l^2m^1z^2 + 648a^5c^5g^2k^1m^1z^2 - 648a^5c^5h^1 \\
& ^2j^1l^1z^2 + 1296a^5c^5h^1j^2k^1z^2 + 1296a^5c^5g^1j^2l^1z^2 + 1296a^5* \\
& c^5f^1j^2m^1z^2 - 648a^5c^5g^1j^1k^2z^2 + 648a^5c^5e^2k^2l^1z^2 + 648a \\
& ^5c^5d^1k^2m^1z^2 - 648a^4c^6d^2k^1m^1z^2 - 648a^5c^5e^2j^1l^2z^2 + 64 \\
& 8a^5c^5d^1k^1l^2z^2 + 648a^4c^6e^2j^1l^1z^2 + 324a^6b^3c^3l^3m^1z^2 + \\
& 27a^4b^5c^1l^3m^1z^2 + 648a^5c^5f^1h^1l^2z^2 - 648a^4c^6e^2h^1m^1z^2 \\
& + 1512a^5b^3c^4j^3m^1z^2 + 1080a^6b^3c^3j^1m^3z^2 - 162a^4b^5c^2j^1m^3 \\
& z^2 - 648a^4c^6f^1g^2k^1z^2 + 648a^4c^6e^2g^2l^1z^2 - 648a^4c^6d^1g^2 \\
& ^2m^1z^2 - 27a^3b^6c^2j^1l^3z^2 + 648a^4c^6e^2h^2j^1z^2 + 648a^4c^6d^1 \\
& *h^2k^1z^2 + 324a^5b^3c^4j^1k^3z^2 - 1296a^4c^6e^2g^1j^2z^2 - 1296a^4* \\
& c^6d^1h^1j^2z^2 - 108a^4b^3c^5g^3m^1z^2 - 648a^4c^6d^1f^1k^2z^2 - 648a \\
& ^3c^7d^2g^1j^1z^2 + 648a^3c^7d^2f^1k^1z^2 + 648a^3c^7d^2e^1l^1z^2 + 27 \\
& 0a^3b^6c^2f^1m^3z^2 + 648a^3c^7d^2e^2k^1z^2 - 540a^5b^3c^4f^1l^3z^2 + \\
& 324a^3b^3c^6e^3m^1z^2 - 108a^4b^3c^5h^3j^1z^2 + 27a^2b^7c^2f^1l^3z^2 \\
& + 27a^2b^5c^4e^3m^1z^2 + 648a^3c^7e^2f^1h^1z^2 + 216a^2b^4c^5d^3m^1z \\
& ^2 + 648a^4b^3c^5f^1j^3z^2 + 216a^3b^3c^6f^1j^3z^2 + 648a^3c^7d^1f^1g^2 \\
& ^2z^2 - 27a^2b^4c^5e^3j^1z^2 + 324a^2b^3c^7d^3j^1z^2 - 189a^2b^3c^6d^1 \\
& ^3j^1z^2 - 108a^3b^3c^6f^1g^3z^2 - 108a^2b^3c^7e^3f^1z^2 + 27a^2b^3c^6* \\
& e^3f^1z^2 + 162a^2b^2c^7d^3f^1z^2 - 1134a^5b^2c^3j^2m^2z^2 + 648a^4 \\
& *b^4c^2j^2m^2z^2 + 81a^5b^2c^3k^2l^2z^2 + 162a^4b^2c^4f^2m^1 \\
& ^2z^2 + 81a^4b^2c^4h^2k^2z^2 + 81a^4b^2c^4g^2l^2z^2 + 162a^3b^2c^5 \\
& *f^2j^2z^2 + 81a^3b^2c^5e^2k^2z^2 + 81a^3b^2c^5d^2l^2z^2 + 81a^3b^2c^5 \\
& *g^2h^2z^2 + 81a^2b^2c^6e^2g^2z^2 + 81a^2b^2c^6
\end{aligned}$$

$$\begin{aligned}
& 6*d^2*h^2*z^2 - 216*a^6*c^4*k^3*m*z^2 + 216*a^6*c^4*j^1^3*z^2 + 27*a^3*b^7* \\
& j^m^3*z^2 + 216*a^5*c^5*h^3*m*z^2 + 432*a^6*c^4*f^m^3*z^2 + 432*a^4*c^6*f^3 \\
& *m*z^2 - 27*b^6*c^4*d^3*m*z^2 - 27*a^2*b^8*f^m^3*z^2 + 216*a^5*c^5*f^k^3*z^2 \\
& + 216*a^4*c^6*g^3*j*z^2 + 216*a^3*c^7*d^3*m*z^2 + 216*a^5*b^4*c^m^4*z^2 - \\
& 216*a^3*c^7*e^3*j*z^2 + 27*b^5*c^5*d^3*j*z^2 - 216*a^4*c^6*f^h^3*z^2 - 27* \\
& b^4*c^6*d^3*f*z^2 - 216*a^2*c^8*d^3*f*z^2 - 648*a^6*c^4*j^2*m^2*z^2 - 324*a \\
& ^6*c^4*k^2*1^2*z^2 - 648*a^5*c^5*f^2*m^2*z^2 - 324*a^5*c^5*h^2*k^2*z^2 - 32 \\
& 4*a^5*c^5*g^2*1^2*z^2 - 648*a^4*c^6*f^2*j^2*z^2 - 324*a^4*c^6*e^2*k^2*z^2 - \\
& 324*a^4*c^6*d^2*1^2*z^2 - 405*a^6*b^2*c^2*m^4*z^2 - 324*a^4*c^6*g^2*h^2*z^2 \\
& - 324*a^3*c^7*e^2*g^2*z^2 - 324*a^3*c^7*d^2*h^2*z^2 + 243*a^4*b^2*c^4*j^4 \\
& *z^2 - 27*a^3*b^4*c^3*j^4*z^2 - 324*a^2*c^8*d^2*e^2*z^2 + 27*a^2*b^2*c^6*f^ \\
& 4*z^2 - 108*a^7*c^3*m^4*z^2 - 27*a^4*b^6*m^4*z^2 - 540*a^5*c^5*j^4*z^2 - 10 \\
& 8*a^3*c^7*f^4*z^2 - 216*a^5*b*c^3*f*j*k*1*m*z - 54*a^3*b^5*c*f*j*k*1*m*z + \\
& 27*a^3*b^5*c*g*h*k*1*m*z - 27*a^2*b^6*c*e*g*k*1*m*z - 27*a^2*b^6*c*d*h*k*1* \\
& m*z + 432*a^4*b*c^4*d*g*j*k*m*z - 432*a^4*b*c^4*d*e*k*1*m*z + 216*a^4*b*c^4 \\
& *e*g*j*k*1*z + 216*a^4*b*c^4*e*f*j*k*m*z + 216*a^4*b*c^4*d*h*j*k*1*z + 216* \\
& a^4*b*c^4*d*f*j*1*m*z + 216*a^4*b*c^4*f*g*h*j*m*z - 27*a*b^6*c^2*d*e*j*k*1* \\
& z - 27*a*b^6*c^2*d*e*h*k*m*z - 27*a*b^6*c^2*d*e*g*1*m*z + 216*a^3*b*c^5*d*e \\
& *h*j*k*z + 216*a^3*b*c^5*d*e*g*j*1*z - 216*a^3*b*c^5*d*e*f*j*m*z + 27*a*b^5 \\
& *c^3*d*e*h*j*k*z + 27*a*b^5*c^3*d*e*g*j*1*z + 27*a*b^5*c^3*d*e*g*h*m*z - 27 \\
& *a*b^4*c^4*d*e*g*h*j*z + 27*a*b^7*c*d*e*k*1*m*z + 270*a^4*b^3*c^2*f*j*k*1*m \\
& *z - 108*a^4*b^3*c^2*g*h*k*1*m*z - 216*a^4*b^2*c^3*f*h*j*k*m*z - 216*a^4*b^ \\
& 2*c^3*f*g*j*1*m*z - 216*a^4*b^2*c^3*e*g*k*1*m*z - 216*a^4*b^2*c^3*d*h*k*1*m \\
& *z + 162*a^3*b^4*c^2*e*g*k*1*m*z + 162*a^3*b^4*c^2*d*h*k*1*m*z + 108*a^4*b^ \\
& 2*c^3*g*h*j*k*1*z + 108*a^4*b^2*c^3*e*h*j*1*m*z + 54*a^3*b^4*c^2*f*h*j*k*m* \\
& z + 54*a^3*b^4*c^2*f*g*j*1*m*z - 27*a^3*b^4*c^2*g*h*j*k*1*z + 540*a^3*b^3*c \\
& ^3*d*e*k*1*m*z - 216*a^2*b^5*c^2*d*e*k*1*m*z - 162*a^3*b^3*c^3*e*g*j*k*1*z \\
& - 162*a^3*b^3*c^3*d*h*j*k*1*z - 108*a^3*b^3*c^3*d*g*j*k*m*z - 54*a^3*b^3*c^ \\
& 3*e*f*j*k*m*z - 54*a^3*b^3*c^3*d*f*j*1*m*z + 27*a^2*b^5*c^2*e*g*j*k*1*z + 2 \\
& 7*a^2*b^5*c^2*d*h*j*k*1*z - 108*a^3*b^3*c^3*e*g*h*k*m*z - 108*a^3*b^3*c^3*d \\
& *g*h*1*m*z - 54*a^3*b^3*c^3*f*g*h*j*m*z + 27*a^2*b^5*c^2*e*g*h*k*m*z + 27*a \\
& ^2*b^5*c^2*d*g*h*1*m*z - 540*a^3*b^2*c^4*d*e*j*k*1*z + 216*a^2*b^4*c^3*d*e* \\
& j*k*1*z - 216*a^3*b^2*c^4*d*e*h*k*m*z - 216*a^3*b^2*c^4*d*e*g*1*m*z + 162*a \\
& ^2*b^4*c^3*d*e*h*k*m*z + 162*a^2*b^4*c^3*d*e*g*1*m*z + 108*a^3*b^2*c^4*e*g* \\
& h*j*k*z - 108*a^3*b^2*c^4*e*f*h*j*1*z + 108*a^3*b^2*c^4*d*g*h*j*1*z + 108*a \\
& ^3*b^2*c^4*d*f*g*k*m*z - 27*a^2*b^4*c^3*e*g*h*j*k*z - 27*a^2*b^4*c^3*d*g*h* \\
& j*1*z - 162*a^2*b^3*c^4*d*e*h*j*k*z - 162*a^2*b^3*c^4*d*e*g*j*1*z + 54*a^2* \\
& b^3*c^4*d*e*f*j*m*z - 108*a^2*b^3*c^4*d*e*g*h*m*z + 108*a^2*b^2*c^5*d*e*g*h \\
& *j*z + 324*a^6*b*c^2*j*k*1*m^2*z - 81*a^5*b^3*c*j*k*1*m^2*z + 27*a^4*b^4*c* \\
& j^2*k*1*m*z - 27*a^4*b^4*c*h*k^2*1*m*z - 27*a^4*b^4*c*g*k*1^2*m*z + 216*a^5 \\
& *b*c^3*h*j^2*k*m*z + 216*a^5*b*c^3*g*j^2*1*m*z + 54*a^4*b^4*c*f*k*1*m^2*z + \\
& 27*a^4*b^4*c*h*j*k*m^2*z + 27*a^4*b^4*c*g*j*1*m^2*z + 27*a^2*b^6*c*f^2*k*1 \\
& *m*z + 216*a^5*b*c^3*e*k^2*1*m*z - 108*a^5*b*c^3*h*j*k^2*1*z + 27*a^3*b^5*c \\
& *e*k^2*1*m*z + 216*a^5*b*c^3*d*k*1^2*m*z + 216*a^4*b*c^4*e^2*j*1*m*z - 108* \\
& a^5*b*c^3*g*j*k*1^2*z + 27*a^3*b^5*c*d*k*1^2*m*z - 324*a^5*b*c^3*e*j*k*m^2* \\
& z - 324*a^5*b*c^3*d*j*1*m^2*z - 216*a^5*b*c^3*f*h*1^2*m*z - 108*a^4*b*c^4*f \\
& ^2*j*k*1*z - 27*a^3*b^5*c*e*j*k*m^2*z - 27*a^3*b^5*c*d*j*1*m^2*z - 324*a^5* \\
& b*c^3*g*h*j^m^2*z + 216*a^5*b*c^3*f*h*k*m^2*z + 216*a^5*b*c^3*f*g*1*m^2*z + \\
& 216*a^5*b*c^3*e*h*1*m^2*z - 216*a^4*b*c^4*f^2*h*k*m*z - 216*a^4*b*c^4*f^2* \\
& g*1*m*z - 27*a^3*b^5*c*g*h*j^m^2*z + 216*a^4*b*c^4*e*g^2*1*m*z - 108*a^4*b* \\
& c^4*g^2*h*j*1*z - 216*a^4*b*c^4*f^h^2*j*1*z + 216*a^4*b*c^4*e*h^2*j*m*z + 2 \\
& 16*a^4*b*c^4*d*h^2*k*m*z - 108*a^4*b*c^4*g^h^2*j*k*z - 432*a^4*b*c^4*e*g*j^ \\
& 2*m*z - 432*a^4*b*c^4*d*h*j^2*m*z + 216*a^4*b*c^4*f^h*j^2*k*z + 216*a^4*b*c \\
& ^4*f*g*j^2*1*z + 27*a^2*b^6*c*e*g*j^m^2*z + 27*a^2*b^6*c*d*h*j^m^2*z - 432* \\
& a^3*b*c^5*d^2*g*j^m*z - 216*a^4*b*c^4*f*g*j*k^2*z + 216*a^3*b*c^5*d^2*f*k*m \\
& *z + 216*a^3*b*c^5*d^2*e*1*m*z - 108*a^4*b*c^4*e*h*j*k^2*z - 108*a^4*b*c^4* \\
& d*g*k^2*1*z - 108*a^3*b*c^5*d^2*h*j*1*z + 108*a^3*b*c^5*d^2*g*k*1*z - 54*a* \\
& b^5*c^3*d^2*g*j^m*z + 27*a*b^5*c^3*d^2*g*k*1*z + 27*a*b^5*c^3*d^2*e*1*m*z - \\
& 216*a^4*b*c^4*e*f*j*1^2*z + 216*a^3*b*c^5*d*e^2*k*m*z - 108*a^4*b*c^4*d*g*
\end{aligned}$$

$$\begin{aligned}
& j^2 - 108a^3bc^5e^2g^2jk + 27a^5b^3c^3de^2k^2 + 324a^4b^2c^4de^2j^2 + 216a^3b^2c^5e^2f^2h^2 - 108a^4b^2c^4e^2gh^2 + 108a^3b^2c^5e^2g^2h^2 + 108a^3b^2c^5e^2f^2jk + 108a^3b^2c^5d^2f^2j^2 + 27a^5b^6c^2de^2j^2 - 216a^3b^2c^5e^2f^2h^2 + 108a^3b^2c^5f^2g^2h^2 - 27a^5b^4c^4d^2e^2j^2 + 216a^3b^2c^5d^2f^2g^2 - 108a^3b^2c^5e^2g^2h^2 + 54a^5b^4c^4d^2f^2g^2 - 27a^5b^4c^4d^2g^2h^2 - 27a^5b^4c^4d^2e^2h^2 - 27a^5b^4c^4d^2e^2j^2 - 108a^3b^2c^5d^2gh^2 + 54a^5b^4c^4d^2e^2h^2 + 27a^5b^6c^2de^2h^2 - 27a^5b^3c^3de^2h^2 - 27a^5b^4c^4d^2e^2g^2 - 27a^5b^4c^4d^2e^2f^2 + 216a^2b^2c^6d^2f^2g^2 - 108a^3b^2c^5d^2e^2g^2k^2 - 108a^2b^2c^6d^2e^2h^2 + 108a^2b^2c^6d^2e^2g^2k^2 - 54a^5b^3c^5d^2f^2g^2 - 27a^5b^3c^3de^2g^2k^2 + 27a^5b^4c^4d^2e^2g^2k^2 + 27a^5b^3c^5d^2e^2h^2 - 27a^5b^3c^5d^2e^2g^2k^2 - 108a^2b^2c^6d^2e^2g^2j^2 + 27a^5b^3c^5d^2e^2g^2j^2 - 108a^2b^2c^6d^2e^2f^2j^2 + 27a^5b^3c^5d^2e^2f^2j^2 - 432a^5c^4e^2h^2j^2 + 432a^4c^5d^2e^2j^2k^2 + 432a^4c^5e^2f^2h^2j^2 - 432a^4c^5d^2f^2g^2k^2 - 27a^5b^7c^2de^2j^2 - 54a^5b^2c^2j^2k^2 + 108a^5b^2c^2h^2k^2 + 108a^5b^2c^2g^2k^2 - 54a^5b^2c^2h^2j^2 + 378a^4b^2c^3f^2k^2 - 270a^5b^2c^2f^2k^2 - 189a^3b^4c^2f^2k^2 - 108a^5b^2c^2h^2j^2k^2 - 108a^5b^2c^2g^2j^2k^2 - 54a^4b^3c^2h^2j^2k^2 - 54a^4b^3c^2g^2j^2k^2 - 162a^4b^3c^2e^2k^2 + 54a^4b^2c^3g^2j^2k^2 + 27a^4b^3c^2h^2j^2k^2 - 162a^4b^3c^2d^2k^2 + 108a^4b^2c^3g^2h^2 - 54a^3b^3c^3e^2j^2 + 27a^4b^3c^2g^2j^2k^2 - 27a^3b^4c^2g^2h^2 - 270a^4b^2c^3f^2j^2k^2 + 189a^4b^3c^2e^2j^2k^2 + 189a^4b^3c^2d^2j^2k^2 - 162a^4b^2c^3e^2j^2k^2 - 162a^4b^2c^3d^2j^2k^2 + 135a^3b^3c^3f^2j^2k^2 + 108a^4b^2c^3g^2h^2k^2 + 54a^4b^3c^2f^2h^2 - 54a^4b^2c^3f^2h^2 + 54a^3b^4c^2f^2j^2k^2 - 27a^3b^4c^2g^2h^2k^2 + 27a^3b^4c^2d^2j^2k^2 - 27a^2b^5c^2f^2j^2k^2 - 270a^3b^2c^4d^2j^2k^2 + 189a^4b^3c^2g^2h^2j^2 - 162a^4b^2c^3g^2h^2j^2 + 162a^4b^2c^3e^2j^2k^2 + 162a^3b^3c^3f^2h^2k^2 + 162a^3b^3c^3f^2g^2k^2 - 54a^4b^3c^2f^2h^2k^2 - 54a^4b^3c^2f^2g^2k^2 - 54a^4b^3c^2e^2h^2k^2 + 54a^4b^2c^3d^2j^2k^2 + 54a^2b^4c^3d^2j^2k^2 + 27a^3b^4c^2g^2h^2j^2 - 27a^3b^4c^2e^2j^2k^2 - 27a^2b^5c^2f^2h^2k^2 - 27a^2b^5c^2f^2g^2k^2 + 162a^4b^2c^3d^2j^2k^2 - 162a^3b^3c^3e^2g^2k^2 + 108a^4b^2c^3e^2h^2k^2 + 108a^3b^2c^4d^2h^2k^2 - 54a^4b^2c^3f^2g^2k^2 - 27a^3b^4c^2e^2h^2k^2 - 27a^3b^4c^2d^2j^2k^2 + 27a^3b^3c^3g^2h^2j^2 + 27a^2b^5c^2e^2g^2k^2 - 27a^2b^4c^3d^2h^2k^2 + 270a^4b^2c^3f^2h^2j^2 - 270a^3b^2c^4e^2h^2j^2 - 162a^4b^2c^3e^2h^2k^2 - 162a^3b^3c^3d^2h^2k^2 + 162a^3b^2c^4e^2h^2k^2 + 108a^4b^2c^3d^2g^2k^2 + 108a^3b^2c^4e^2g^2k^2 - 54a^4b^2c^3e^2f^2k^2 - 54a^3b^4c^2f^2h^2j^2 + 54a^3b^3c^3f^2h^2j^2 - 54a^3b^3c^3e^2h^2j^2 + 54a^3b^2c^4e^2f^2k^2 + 54a^2b^4c^3e^2h^2j^2 + 27a^3b^4c^2e^2h^2k^2 - 27a^3b^4c^2d^2g^2k^2 + 27a^3b^3c^3g^2h^2j^2 + 27a^2b^5c^2d^2h^2k^2 - 27a^2b^4c^3e^2h^2k^2 - 27a^2b^4c^3e^2g^2k^2 + 432a^4b^2c^3e^2g^2j^2 + 432a^4b^2c^3d^2h^2j^2 - 270a^4b^2c^3d^2g^2k^2 - 216a^3b^4c^2e^2g^2j^2 - 216a^3b^4c^2d^2h^2j^2 + 216a^3b^3c^3e^2g^2j^2 + 216a^3b^3c^3d^2h^2j^2 - 162a^3b^2c^4e^2f^2k^2 - 162a^3b^2c^4d^2f^2k^2 - 108a^3b^2c^4f^2h^2j^2 - 108a^3b^2c^4f^2g^2j^2 + 54a^4b^2c^3e^2f^2k^2 + 54a^4b^2c^3d^2f^2k^2 + 54a^3b^4c^2d^2g^2k^2 - 54a^3b^3c^3f^2h^2j^2k^2 - 54a^3b^3c^3f^2g^2j^2k^2 - 27a^2b^5c^2e^2g^2j^2 - 27a^2b^5c^2d^2h^2j^2 + 27a^2b^4c^3f^2h^2j^2k^2 + 27a^2b^4c^3f^2g^2j^2k^2 + 27a^2b^4c^3e^2f^2k^2 + 27a^2b^4c^3d^2f^2k^2 + 324a^2b^3c^4d^2g^2j^2 - 270a^3b^2c^4d^2g^2j^2 - 162a^3b^2c^4f^2g^2h^2 + 162a^3b^2c^4e^2g^2j^2 - 162a^2b^3c^4d^2e^2k^2 - 135a^2b^3c^4d^2g^2k^2 + 108a^3b^2c^4d^2g^2k^2 + 54a^4b^2c^3f^2g^2h^2 + 54a^3b^3c^3f^2g^2j^2k^2 - 54a^3b^2c^4f^2g^2j^2k^2 + 54a^2b^4c^3d^2g^2j^2k^2 - 54a^2b^3c^4d^2f^2k^2
\end{aligned}$$

$$\begin{aligned}
& + 27a^3b^3c^3e^hjk^2z + 27a^3b^3c^3d^gk^2l^2z + 27a^2b^4c^3f^2ghm^2z - 27a^2b^4c^3e^g^2j^2l^2z - 27a^2b^4c^3d^g^2k^2l^2z + 27a^2b^3c^4d^2h^2j^2k^2z + 162a^3b^2c^4d^2h^2j^2k^2z - 162a^2b^3c^4d^2e^2k^2m^2z + 108a^3b^2c^4e^2g^2h^2m^2z + 54a^3b^3c^3e^2f^2j^2l^2z + 27a^3b^3c^3d^2g^2j^2l^2z - 27a^2b^4c^3e^2g^2h^2m^2z - 27a^2b^4c^3d^2h^2j^2k^2z + 27a^2b^3c^4e^2g^2j^2k^2z - 621a^3b^3c^3d^2e^2j^2m^2z + 594a^3b^2c^4d^2e^2j^2m^2z + 243a^2b^5c^2d^2e^2j^2m^2z - 243a^2b^4c^3d^2e^2j^2m^2z + 135a^3b^3c^3e^2g^2h^2l^2z - 108a^3b^2c^4e^2g^2h^2l^2z + 108a^3b^2c^4d^2g^2h^2m^2z + 54a^3b^2c^4e^2f^2j^2k^2z + 54a^3b^2c^4e^2f^2h^2m^2z + 54a^3b^2c^4d^2g^2j^2k^2z + 54a^3b^2c^4d^2f^2j^2l^2z - 54a^2b^3c^4e^2f^2h^2m^2z - 27a^2b^5c^2e^2g^2h^2l^2z + 27a^2b^4c^3e^2g^2h^2l^2z - 27a^2b^4c^3d^2g^2h^2m^2z - 27a^2b^3c^4e^2g^2h^2l^2z - 27a^2b^3c^4e^2f^2j^2k^2z - 27a^2b^3c^4d^2f^2j^2l^2z + 162a^2b^2c^5d^2e^2j^2l^2z + 54a^3b^2c^4f^2g^2h^2j^2z - 54a^3b^2c^4d^2f^2j^2k^2z + 54a^2b^3c^4e^2f^2h^2j^2l^2z + 54a^2b^2c^5d^2f^2j^2k^2z - 27a^2b^3c^4f^2g^2h^2j^2z - 270a^2b^2c^5d^2f^2g^2m^2z - 162a^3b^2c^4d^2g^2h^2k^2z + 162a^2b^2c^5d^2g^2h^2k^2z + 162a^2b^2c^5d^2e^2j^2k^2z + 108a^2b^2c^5d^2e^2h^2m^2z - 54a^2b^3c^4d^2f^2g^2m^2z + 27a^2b^4c^3d^2g^2h^2k^2z + 27a^2b^3c^4e^2g^2h^2j^2z + 270a^3b^2c^4d^2e^2h^2l^2z - 270a^2b^2c^5d^2e^2h^2l^2z - 162a^2b^4c^3d^2e^2h^2l^2z + 108a^2b^3c^4d^2e^2h^2l^2z + 108a^2b^2c^5d^2e^2g^2m^2z + 54a^2b^2c^5e^2f^2h^2j^2z + 27a^2b^3c^4d^2g^2h^2j^2z + 162a^2b^2c^5d^2e^2f^2m^2z - 54a^3b^2c^4d^2e^2f^2m^2z - 54a^2b^2c^5d^2f^2g^2k^2z + 135a^2b^3c^4d^2e^2g^2k^2z - 108a^2b^2c^5d^2e^2g^2k^2z + 54a^2b^2c^5d^2f^2g^2j^2z - 54a^2b^2c^5d^2e^2f^2j^2z - 9a^5b^7c^d^e^l^3z - 36a^5b^c^7d^3e^g^z - 108a^6b^c^2k^2l^2m^2z + 27a^5b^3c^k^2l^2m^2z - 18a^5b^2c^2j^2k^3m^2z - 27a^4b^3c^2j^3k^2l^2z - 108a^5b^c^3h^2k^2m^2z - 108a^5b^c^3g^2l^2m^2z + 108a^5b^c^3h^2k^2l^2z + 108a^5b^c^3g^2k^2m^2z + 90a^5b^2c^2f^2l^3m^2z - 18a^5b^2c^2h^2k^2l^3z + 18a^4b^2c^3h^3k^2l^2z + 18a^4b^2c^3h^3j^2m^2z - 108a^5b^c^3h^2j^2l^2z + 18a^4b^3c^2f^2k^3m^2z - 18a^3b^3c^3g^3j^2m^2z - 9a^4b^3c^2g^2k^3l^2z + 9a^3b^3c^3g^3k^2l^2z + 252a^4b^2c^3f^2j^3m^2z + 216a^5b^c^3f^2j^2m^2z + 180a^3b^2c^4f^3j^2m^2z - 108a^4b^c^4e^2k^2m^2z - 108a^4b^c^4d^2l^2m^2z + 90a^5b^2c^2e^2k^2m^3z + 90a^5b^2c^2d^2l^2m^3z - 90a^3b^2c^4f^3k^2l^2z + 54a^3b^5c^2f^2j^2m^2z - 54a^3b^4c^2f^2j^3m^2z + 36a^5b^2c^2f^2j^2m^3z + 36a^4b^2c^3h^2j^3k^2z + 36a^4b^2c^3g^2j^3l^2z - 36a^2b^4c^3f^3j^2m^2z - 27a^2b^6c^2f^2j^2m^2z + 18a^2b^4c^3f^3k^2l^2z - 216a^4b^c^4d^2k^2m^2z + 108a^5b^c^3d^2k^2m^2z - 108a^4b^3c^2f^2j^2l^3z - 108a^4b^c^4g^2h^2m^2z + 108a^2b^3c^4e^3j^2m^2z + 90a^5b^2c^2g^2h^2m^3z + 54a^4b^3c^2e^2k^2l^3z - 54a^2b^3c^4e^3k^2l^2z + 234a^2b^2c^5d^3j^2m^2z - 144a^2b^2c^5d^3k^2l^2z + 90a^4b^2c^3f^2j^2k^3z - 72a^4b^2c^3d^2k^3l^2z + 27a^4b^3c^2g^2h^2l^3z - 27a^3b^3c^3g^2h^3l^2z - 18a^3b^4c^2f^2j^2k^3z + 9a^3b^4c^2d^2k^3l^2z + 216a^4b^c^4f^2h^2l^2z - 216a^4b^c^4e^2h^2m^2z + 108a^4b^c^4g^2h^2k^2z - 18a^4b^2c^3g^2h^2k^3z + 18a^3b^2c^4g^3h^2k^2z + 18a^3b^2c^4f^2g^3m^2z + 9a^3b^4c^2g^2h^2k^3z - 9a^3b^3c^3e^2j^3k^2z - 9a^3b^3c^3d^2j^3l^2z - 144a^4b^3c^2e^2g^2m^3z - 144a^4b^3c^2d^2h^2m^3z - 108a^3b^c^5e^2g^2m^2z + 108a^3b^c^5d^2j^2k^2z - 108a^3b^c^5d^2h^2m^2z - 18a^2b^3c^4f^3h^2k^2z - 18a^2b^3c^4f^3g^2l^2z - 9a^3b^3c^3g^2h^2j^3z - 216a^4b^c^4d^2g^2m^2z + 144a^4b^2c^3e^2g^2l^3z - 126a^3b^2c^4d^2h^3l^2z - 108a^4b^c^4d^2h^2l^2z - 108a^3b^c^5f^2g^2k^2z - 108a^3b^c^5e^2h^2k^2z - 90a^2b^2c^5e^3f^2m^2z + 72a^2b^2c^5e^3g^2l^2z - 63a^3b^4c^2e^2g^2l^3z - 36a^3b^4c^2d^2h^2l^3z + 27a^2b^4c^3d^2h^3l^2z + 27a^2b^6c^2d^2g^2m^2z - 18a^4b^2c^3d^2h^2l^3z - 18a^3b^2c^4f^2h^3j^2z - 18a^3b^2c^4e^2h^3k^2z + 18a^2b^2c^5e^3h^2k^2z + 108a^3b^c^5e^2h^2j^2z + 54a^3b^3c^3d^2h^2k^3z + 27a^3b^3c^3e^2g^2k^3z - 27a^2b^3c^4e^2g^3k^2z + 27a^2b^3c^4d^2g^3l^2z - 27a^2b^4c^4d^2g^2l^2z - 9a^2b^5c^2e^2g^2k^3z - 9a^2b^5c^2d^2h^2k^3z + 207a^3b^4c^2d^2e^2m^3z - 108a^2b^c^6d^2e^2m^2z - 90a^4b^2c^3d^2e^2m^3z - 72a^3b^2c^4e^2g^2j^3z - 72a^3b^2c^4d^2h^2j^3z + 27a^2b^3c^5d^2e^2m^2z
\end{aligned}$$

$$\begin{aligned}
& z + 18a^2b^2c^5ef^3k^2z + 18a^2b^2c^5d^2f^3l^2z + 9a^2b^4c^3eg \\
& *j^3z + 9a^2b^4c^3d^2h^2j^3z - 216a^3b^2c^5d^2e^2l^2z - 198a^3b^3c^3d^2e^2l^3z + 108a^3b^2c^5d^2g^2j^2z - 108a^3b^2c^5d^2f^2k^2z + 72a^2b^5c^2d^2e^2l^3z - 27a^2b^5c^3d^2e^2l^2z + 27a^2b^4c^4d^2g^2j^2z \\
& + 18a^2b^2c^5f^3g^2h^2z + 144a^3b^2c^4d^2e^2k^3z - 63a^2b^4c^3d^2e^2k^3z + 27a^2b^4c^4d^2e^2k^2z - 9a^2b^3c^4e^2g^2h^3z - 108a^2b^2c^6d^2g^2h^2z + 81a^2b^3c^4d^2e^2j^3z + 27a^2b^3c^5d^2g^2h^2z - 27a^2b^2c^6d^2e^2j^2z - 18a^2b^2c^5d^2g^3h^2z + 108a^2b^2c^6d^2e^2h^2z - 27a^2b^3c^5d^2e^2h^2z + 27a^2b^2c^6d^2f^2g^2z - 18a^2b^2c^5d^2e^2h^3z - 216a^6c^3j^2k^2l^2m^2z + 216a^6c^3h^2j^2l^2m^2z + 216a^6c^3f^2k^2l^2m^2z - 216a^5c^4f^2k^2l^2m^2z - 216a^5c^4g^2j^2k^2m^2z + 216a^5c^4f^2j^2k^2l^2z + 216a^5c^4f^2h^2l^2m^2z + 216a^5c^4e^2j^2k^2m^2z + 216a^5c^4d^2j^2l^2m^2z + 216a^5c^4g^2h^2j^2m^2z - 216a^5c^4e^2j^2k^2l^2z - 216a^5c^4d^2j^2k^2m^2z + 216a^4c^5d^2j^2k^2m^2z - 18a^6b^2c^2k^2l^2m^3z + 216a^5c^4f^2g^2k^2m^2z - 216a^5c^4d^2j^2k^2l^2z - 72a^6b^2c^2j^2l^3m^2z + 18a^5b^3c^2j^2l^3m^2z - 216a^5c^4f^2h^2j^2l^2z + 216a^5c^4e^2h^2k^2l^2z + 216a^5c^4e^2f^2l^2m^2z - 216a^4c^5e^2h^2k^2l^2z + 216a^4c^5e^2h^2j^2m^2z - 216a^4c^5e^2f^2l^2m^2z - 216a^5c^4e^2f^2k^2m^2z + 216a^5c^4d^2g^2k^2m^2z - 216a^5c^4d^2f^2l^2m^2z + 216a^4c^5e^2f^2k^2m^2z + 216a^4c^5d^2f^2l^2m^2z + 108a^5b^2c^3j^3k^2l^2z - 216a^5c^4f^2g^2h^2m^2z + 216a^4c^5f^2g^2h^2m^2z + 216a^4c^5f^2g^2j^2k^2z - 216a^4c^5e^2g^2j^2l^2z + 216a^4c^5d^2g^2j^2m^2z - 72a^6b^2c^2h^2k^2m^3z - 72a^6b^2c^2g^2l^2m^3z + 54a^5b^3c^2h^2k^2m^3z + 54a^5b^3c^2g^2l^2m^3z - 216a^4c^5d^2h^2j^2k^2z - 18a^4b^4c^2f^2l^3m^2z + 9a^4b^4c^2h^2k^2l^3z - 216a^4c^5e^2f^2j^2k^2z - 216a^4c^5e^2f^2h^2m^2z - 216a^4c^5d^2g^2j^2k^2z - 216a^4c^5d^2f^2j^2l^2z - 216a^4c^5d^2e^2j^2m^2z - 72a^5b^2c^3f^2k^3m^2z + 72a^4b^2c^4g^3j^2m^2z + 36a^5b^2c^3g^2k^3l^2z - 36a^4b^2c^4g^3k^2l^2z - 216a^4c^5f^2g^2h^2j^2z + 216a^4c^5d^2f^2j^2k^2z - 216a^3c^6d^2f^2j^2k^2z - 216a^3c^6d^2e^2j^2l^2z + 72a^4b^4c^2f^2j^2m^3z - 63a^4b^4c^2e^2k^2m^3z - 63a^4b^4c^2d^2l^2m^3z + 216a^4c^5d^2g^2h^2k^2z - 216a^3c^6d^2g^2h^2k^2z + 216a^3c^6d^2f^2g^2m^2z - 216a^3c^6d^2e^2j^2k^2z + 144a^5b^2c^3f^2j^2l^3z - 144a^3b^2c^5e^3j^2m^2z - 72a^5b^2c^3e^2k^2l^3z + 72a^3b^2c^5e^3k^2l^2z - 63a^4b^4c^2g^2h^2m^3z + 18a^3b^5c^2f^2j^2l^3z - 18a^2b^5c^3e^3j^2m^2z - 9a^3b^5c^2e^2k^2l^3z + 9a^2b^5c^3e^3k^2l^2z - 216a^4c^5d^2e^2h^2l^2z - 216a^3c^6e^2f^2h^2j^2z + 216a^3c^6d^2e^2h^2l^2z - 126a^2b^4c^4d^3j^2m^2z + 108a^4b^2c^4g^2h^3l^2z + 63a^2b^4c^4d^3k^2l^2z + 36a^5b^2c^3g^2h^2l^3z - 9a^3b^5c^2g^2h^2l^3z + 216a^4c^5d^2e^2f^2m^2z + 216a^3c^6d^2f^2g^2k^2z - 216a^3c^6d^2e^2f^2m^2z + 36a^4b^2c^4e^2j^3k^2z + 36a^4b^2c^4d^2j^3l^2z - 216a^3c^6d^2f^2g^2j^2z + 72a^3b^5c^2e^2g^2m^3z + 72a^3b^5c^2d^2h^2m^3z + 72a^3b^2c^5f^2h^2k^2z + 72a^3b^2c^5f^2g^2l^2z + 36a^4b^2c^4g^2h^2j^3z + 18a^2b^4c^4e^2h^2f^2m^2z + 9a^2b^6c^2e^2g^2l^3z + 9a^2b^6c^2d^2e^2h^2l^3z - 9a^2b^4c^4e^3h^2k^2z - 9a^2b^4c^4e^3g^2l^2z + 216a^3c^6d^2e^2f^2j^2z - 144a^2b^2c^6d^3f^2m^2z + 108a^3b^2c^5e^2g^3k^2z - 108a^3b^2c^5d^2g^3l^2z + 108a^2b^3c^5d^3f^2m^2z - 72a^4b^2c^4d^2h^2k^3z + 72a^2b^2c^6d^3h^2k^2z - 54a^2b^3c^5d^3h^2k^2z + 36a^4b^2c^4e^2g^2k^3z - 36a^2b^2c^6d^3g^2l^2z - 27a^2b^3c^5d^3g^2l^2z - 81a^2b^6c^2d^2e^2m^3z + 216a^4b^2c^4d^2e^2l^3z + 72a^2b^2c^6e^3f^2j^2z + 72a^2b^2c^6d^2e^3l^2z - 18a^2b^3c^5e^3f^2j^2z - 18a^2b^3c^5d^2e^3l^2z - 90a^2b^2c^6d^3f^2j^2z + 72a^2b^2c^6d^3e^2k^2z + 36a^3b^2c^5e^2g^2h^3z - 36a^2b^2c^6e^3g^2h^2z + 9a^2b^6c^2d^2e^2k^3z + 9a^2b^3c^5e^3g^2h^2z - 180a^3b^2c^5d^2e^2j^3z + 18a^2b^2c^6d^3g^2h^2z - 9a^2b^5c^3d^2e^2j^3z + 18a^2b^2c^6d^2e^3h^2z + 9a^2b^4c^4d^2e^2h^3z + 36a^2b^2c^6d^2e^2g^3z - 9a^2b^3c^5d^2e^2g^3z - 18a^2b^2c^6d^2e^2f^3z + 27a^5b^2c^2h^2l^2m^2z - 27a^5b^2c^2j^2k^2l^2m^2z + 27a^4b^3c^2h^2k^2l^2m^2z + 27a^4b^3c^2g^2l^2m^2z + 27a^5b^2c^2g^2k^2l^2m^2z - 27a^4b^3c^2h^2k^2l^2m^2z - 27a^4b^3c^2g^2k^2l^2m^2z - 135a^4b^2c^3e^2l^2m^2z + 27a^5b^2c^2e^2l^2m^2z + 27a^4b^3c^2h^2j^2l^2m^2z - 27a^4b^2c^3h^2j^2l^2m^2z + 27a^3b^4c^2e^2l^2m^2z - 270a^4b^3c^2f^2j^2m^2z - 270a^4b^2c^3f^2j^2m^2z + 162a^3b^4c^2f^2j^2m^2z - 108a^3b^3c^3f^2j^2m^2z - 27a^4b^2c^3h^2j^2k^2z - 27a^4b^2c^3g^2j^2l^2z + 27a^3b^3c^3
\end{aligned}$$

$$\begin{aligned}
& *e^{2k^2mz} + 27a^3b^3c^3d^2l^2m^2z + 27a^2b^5c^2f^2j^2m^2z + 16 \\
& 2a^3b^3c^3d^2k^2m^2z - 27a^4b^3c^2dk^2m^2z - 27a^4b^2c^3g^2j^2k^2m^2z + 27a^3b^3c^3g^2h^2m^2z - 27a^2b^5c^2d^2k^2m^2z + 162a^3 \\
& 3b^2c^4d^2k^2l^2z - 108a^4b^2c^3g^2h^2l^2z - 27a^4b^2c^3e^2j^2l^2z + 27a^3b^4c^2g^2h^2l^2z + 27a^3b^2c^4e^2j^2l^2z - 27a^2b^4 \\
& 4c^3d^2k^2l^2z - 162a^3b^3c^3f^2h^2l^2z + 162a^3b^3c^3e^2h^2m^2z - 135a^4b^2c^3e^2h^2m^2z + 135a^3b^2c^4f^2h^2l^2z + 27a^3b^4 \\
& c^2e^2h^2m^2z - 27a^3b^3c^3g^2h^2k^2z - 27a^3b^2c^4e^2j^2k^2z - 27a^3b^2c^4d^2j^2l^2z + 27a^2b^5c^2f^2h^2l^2z - 27a^2b^5c^2 \\
& e^2h^2m^2z - 27a^2b^4c^3f^2h^2l^2z - 27a^3b^2c^4g^2h^2j^2z + 27a^2b^3c^4e^2g^2m^2z - 27a^2b^3c^4d^2j^2k^2z + 27a^2b^3c^4d^2h^2 \\
& ^2m^2z + 351a^3b^2c^4d^2g^2m^2z - 189a^2b^4c^3d^2g^2m^2z + 162a^3b^3c^3d^2g^2m^2z - 162a^3b^2c^4e^2g^2l^2z + 135a^3b^3c^3d^2h^2 \\
& ^2l^2z + 135a^3b^2c^4f^2g^2k^2z - 27a^2b^5c^2d^2h^2l^2z - 27a^2b^5c^2d^2g^2m^2z - 27a^2b^4c^3f^2g^2k^2z + 27a^2b^4c^3e^2g^2l^2 \\
& ^2z + 27a^2b^3c^4f^2g^2k^2z + 27a^2b^3c^4e^2h^2k^2z + 135a^3b^2c^4e^2f^2l^2z - 108a^3b^2c^4e^2g^2k^2z + 108a^2b^2c^5d^2g^2l^2z \\
& + 27a^3b^2c^4e^2h^2j^2z + 27a^2b^4c^3e^2g^2k^2z - 27a^2b^4c^3e^2f^2l^2z - 27a^2b^3c^4e^2h^2j^2z - 27a^2b^2c^5e^2f^2l^2z - 27 \\
& a^2b^2c^5e^2g^2j^2z - 27a^2b^2c^5d^2h^2j^2z + 162a^2b^3c^4d^2e^2l^2z - 135a^2b^2c^5d^2g^2j^2z - 27a^2b^3c^4d^2g^2j^2z + 27a^2 \\
& b^3c^4d^2f^2k^2z - 162a^2b^2c^5d^2e^2k^2z - 27a^2b^2c^5e^2f^2h^2z - 72a^7c^2k^2l^2m^3z + 9a^5b^4k^2l^2m^3z + 72a^6c^3j^2k^3m^2z - \\
& 72a^6c^3h^2k^2l^3z - 72a^6c^3f^2l^3m^2z - 72a^5c^4h^3k^2l^2z - 72a^5c^4h^3j^2m^2z - 9a^4b^5h^2k^2m^3z - 9a^4b^5g^2l^2m^3z - 144a^6c^3f \\
& ^2j^2m^3z - 144a^5c^4h^2j^3k^2z - 144a^5c^4g^2j^3l^2z - 144a^5c^4f^2j^3 \\
& ^2m^2z - 144a^4c^5f^3j^2m^2z + 72a^6c^3e^2k^2m^3z + 72a^6c^3d^2l^2m^3z + 72a^4c^5f^3k^2l^2z + 72a^6c^3g^2h^2m^3z + 18b^6c^3d^3j^2m^2z - 18 \\
& a^3b^6f^2j^2m^3z - 9b^6c^3d^3k^2l^2z + 9a^3b^6e^2k^2m^3z + 9a^3b^6d^2l^2m^3z + 144a^5c^4d^2k^3l^2z + 144a^3c^6d^3k^2l^2z - 72a^5c^4f^2j^2k^2 \\
& ^2z - 72a^3c^6d^3j^2m^2z + 9a^3b^6g^2h^2m^3z - 72a^5c^4g^2h^2k^3z - 72a^4c^5g^3h^2k^2z - 72a^4c^5f^2g^3m^2z - 108a^5b^3c^3j^4m^2z + 63a^6 \\
& b^2c^2j^2m^4z + 36a^6b^2c^2k^2l^4z - 9a^5b^3c^2k^2l^4z - 144a^5c^4e^2g^2l^3z - 144a^3c^6e^3g^2l^2z + 72a^5c^4d^2h^2l^3z + 72a^4c^5f^2h^3 \\
& ^2j^2z + 72a^4c^5e^2h^3k^2z + 72a^4c^5d^2h^3l^2z + 72a^3c^6e^3h^2k^2z + 72a^3c^6e^3f^2m^2z - 18b^5c^4d^3f^2m^2z + 9b^5c^4d^3h^2k^2z + 9b^5c^4 \\
& d^3g^2l^2z - 9a^2b^7e^2g^2m^3z - 9a^2b^7d^2h^2m^3z + 144a^4c^5e^2g^2j^3z + 144a^4c^5d^2h^2j^3z - 72a^5c^4d^2e^2m^3z - 72a^3c^6e^2f^3k^2 \\
& ^2z - 72a^3c^6d^2f^3l^2z + 144a^6b^2c^2f^2m^4z - 108a^5b^3c^3f^2m^4z - 72a^3c^6f^3g^2h^2z + 36a^5b^3c^3h^2k^4z - 36a^3b^3c^5f^4m^2z + 18b^4 \\
& c^5d^3f^2j^2z - 9b^4c^5d^3e^2k^2z + 9a^4b^4c^2g^2l^4z - 144a^4c^5d^2e^2k^3z - 144a^2c^7d^3e^2k^2z + 72a^2c^7d^3f^2j^2z - 9b^4c^5d^3g^2h^2 \\
& ^2z + 72a^3c^6d^2g^3h^2z + 72a^2c^7d^3g^2h^2z - 72a^5b^3c^3d^2l^4z - 72 \\
& a^4b^2c^4f^2j^4z + 45a^2b^2c^6d^4l^2z - 36a^2b^2c^6e^4k^2z - 9a^3b^5 \\
& c^2d^2l^4z + 9a^2b^3c^5e^4k^2z - 72a^3c^6d^2e^2h^3z - 72a^2c^7d^2e^3 \\
& ^2h^2z + 9b^3c^6d^3e^2g^2z + 72a^2c^7d^2e^2f^3z + 36a^3b^2c^5d^2h^4z - \\
& 9a^2b^2c^6e^4g^2z + 36a^2b^2c^7d^3f^2z + 90a^5b^2c^2j^3m^2z + 45a^5 \\
& b^2c^2j^2l^3z + 9a^4b^3c^2j^2k^3z - 9a^4b^3c^2h^3m^2z - 45a^4b^2c^3g^3m^2z + 9a^3b^4c^2g^3m^2z + 198a^4b^3c^2f^2m^3z - 108a^3b^3c^3f^3m^2z + 18a^2b^5c^2f^3m^2z - 117a^4b^2c^3 \\
& ^3f^2l^3z + 117a^3b^2c^4e^3m^2z + 63a^3b^4c^2f^2l^3z - 63a^2b^4c^3e^3m^2z - 171a^2b^3c^4d^3m^2z - 54a^3b^3c^3f^2k^3z + 9a^3b^2c^4g^3j^2z + 9a^2b^5c^2f^2k^3z + 18a^3b^2c^4f^2j^3z + 18a^2b^3c^4f^3j^2z - 9a^2b^4c^3f^2j^3z - 45a^2b^2c^5e^3j^2z + 9a^2b^3c^4f^2h^3z - 9a^2b^2c^5f^2g^3z + 9a^2b^8d^2e^2m^3z - 36a^2b^2c^7d^4h^2z - 108a^6c^3h^2l^2m^2z + 108a^6c^3j^2k^2l^2z - 108a^6c^3g^2k^2m^2z - 108a^6c^3e^2l^2m^2z + 108a^5c^4h^2j^2l^2z + 108a^5c^4e^2l^2m^2z + 216a^5c^4f^2j^2m^2z + 108a^5c^4h^2j^2k^2z + 108a^5c^4g^2j^2l^2z + 108a^5c^4g^2j^2k^2z - 216a^4c^5
\end{aligned}$$

$$\begin{aligned}
& *d^2*k^2*l*z + 108*a^5*c^4*e*j^2*l^2*z - 108*a^4*c^5*e^2*j^2*l*z - 9*a^6*b^2*c^1^3*m^2*z + 108*a^5*c^4*e*h^2*m^2*z - 108*a^4*c^5*f^2*h^2*l*z + 108*a^4*c^5*e^2*j*k^2*z + 108*a^4*c^5*d^2*j^1^2*z - 144*a^6*b*c^2*j^2*m^3*z + 108*a^4*c^5*g^2*h^2*j*z - 27*a^4*b^4*c*j^3*m^2*z + 27*a^4*b^3*c^2*j^4*m*z + 9*a^5*b^2*c^2*k^4*l*z + 216*a^4*c^5*e^2*g^1^2*z - 108*a^4*c^5*f^2*g*k^2*z - 108*a^4*c^5*d^2*g*m^2*z - 9*a^4*b^4*c*j^2*l^3*z - 108*a^4*c^5*e*h^2*j^2*z - 108*a^4*c^5*e*f^2*l^2*z + 108*a^3*c^6*e^2*f^2*l*z - 36*a^5*b*c^3*j^2*k^3*z + 36*a^5*b*c^3*h^3*m^2*z + 108*a^3*c^6*e^2*g^2*j*z + 108*a^3*c^6*d^2*h^2*j*z - 216*a^5*b*c^3*f^2*m^3*z + 144*a^4*b*c^4*f^3*m^2*z + 108*a^3*c^6*d^2*g*j^2*z - 72*a^3*b^5*c*f^2*m^3*z - 45*a^5*b^2*c^2*g^1^4*z - 9*a^4*b^3*c^2*h*k^4*z - 9*a^3*b^2*c^4*g^4*l*z + 9*a^2*b^3*c^4*f^4*m*z + 216*a^3*c^6*d^2*e*k^2*z - 9*a^2*b^6*c*f^2*l^3*z + 9*a*b^6*c^2*e^3*m^2*z + 108*a^3*c^6*e*f^2*h^2*z + 108*a^3*b*c^5*d^3*m^2*z + 108*a^2*c^7*d^2*e^2*j*z + 72*a^4*b*c^4*f^2*k^3*z + 72*a*b^5*c^3*d^3*m^2*z - 72*a^3*b*c^5*f^3*j^2*z + 54*a^4*b^3*c^2*d^1^4*z - 45*a^4*b^2*c^3*e*k^4*z + 18*a^3*b^3*c^3*f*j^4*z + 9*a^3*b^4*c^2*e*k^4*z - 9*a^2*b^2*c^5*f^4*j*z - 108*a^2*c^7*d^2*f^2*g*z + 9*a^3*b^2*c^4*g*h^4*z + 9*a*b^4*c^4*e^3*j^2*z - 72*a^2*b*c^6*d^3*j^2*z + 54*a*b^3*c^5*d^3*j^2*z - 36*a^3*b*c^5*f^2*h^3*z - 9*a^2*b^3*c^4*d*h^4*z + 9*a^2*b^2*c^5*e*g^4*z + 9*a*b^2*c^6*e^3*f^2*z + 36*a^7*c^2*l^3*m^2*z + 72*a^6*c^3*j^3*m^2*z - 36*a^6*c^3*j^2*l^3*z + 9*a^4*b^5*j^2*m^3*z + 36*a^5*c^4*g^3*m^2*z + 36*a^5*c^4*f^2*l^3*z - 36*a^4*c^5*e^3*m^2*z - 9*b^7*c^2*d^3*m^2*z + 9*a^2*b^7*f^2*m^3*z - 36*a^4*c^5*g^3*j^2*z + 72*a^4*c^5*f^2*j^3*z + 36*a^3*c^6*e^3*j^2*z - 9*b^5*c^4*d^3*j^2*z + 36*a^3*c^6*f^2*g^3*z - 9*a^4*b^2*c^3*j^5*z - 36*a^2*c^7*e^3*f^2*z - 9*b^3*c^6*d^3*f^2*z + 36*a^7*c^2*j*m^4*z - 36*a^6*c^3*k^4*l*z - 18*a^5*b^4*j*m^4*z + 36*a^6*c^3*g^1^4*z + 36*a^4*c^5*g^4*l*z + 18*a^4*b^5*f*m^4*z - 9*b^4*c^5*d^4*l*z + 36*a^5*c^4*e*k^4*z + 36*a^3*c^6*f^4*j*z - 36*a^2*c^7*d^4*l*z - 36*a^4*c^5*g*h^4*z + 9*b^3*c^6*d^4*h*z - 36*a^3*c^6*e*g^4*z + 36*a^2*c^7*e^4*g*z - 9*b^2*c^7*d^4*e*z - 36*a^7*b*c*m^5*z + 36*a^c^8*d^4*e*z + 9*a^6*b^3*m^5*z + 36*a^5*c^4*j^5*z + 9*a^4*b^3*c*g*h*j*k^1*m - 9*a^3*b^4*c*e*g*j*k^1*m - 9*a^3*b^4*c*d*h*j*k^1*m - 9*a^3*b^4*c*f*g*h*k^1*m + 36*a^4*b*c^3*d*e*j*k^1*m + 9*a^2*b^5*c*d*e*j*k^1*m + 36*a^4*b*c^3*e*f*h*j*k^1*m + 36*a^4*b*c^3*e*f*g*k^1*m + 36*a^4*b*c^3*d*f*h*k^1*m + 9*a^2*b^5*c*e*f*g*k^1*m + 9*a^2*b^5*c*d*f*h*k^1*m + 36*a^3*b*c^4*d*e*f*j*k^1 + 9*a*b^5*c^2*d*e*f*j*k^1 + 36*a^3*b*c^4*d*e*g*h*k^1 + 36*a^3*b*c^4*d*e*f*h*k^1*m + 36*a^3*b*c^4*d*e*f*g^1*m + 9*a*b^5*c^2*d*e*f*h*k^1*m + 9*a*b^5*c^2*d*e*f*g^1*m - 9*a*b^4*c^3*d*e*f*h*j*k - 9*a*b^4*c^3*d*e*f*g*j^1 - 9*a*b^4*c^3*d*e*f*g*h*m + 9*a*b^3*c^4*d*e*f*g*h*j - 9*a*b^6*c*d*e*f*k^1*m + 18*a^4*b^2*c^2*e*g*j*k^1*m + 18*a^4*b^2*c^2*d*h*j*k^1*m + 18*a^4*b^2*c^2*f*g*h*k^1*m - 36*a^3*b^3*c^2*d*e*j*k^1*m - 36*a^3*b^3*c^2*e*f*g*k^1*m - 36*a^3*b^3*c^2*d*f*h*k^1*m + 9*a^3*b^3*c^2*f*g*h*j*k^1 + 9*a^3*b^3*c^2*e*g*h*j*k^1*m + 9*a^3*b^3*c^2*d*g*h*j^1*m - 108*a^3*b^2*c^3*d*e*f*k^1*m + 54*a^2*b^4*c^2*d*e*f*k^1*m - 36*a^3*b^2*c^3*d*f*g*j*k^1*m + 18*a^3*b^2*c^3*e*f*g*j*k^1 + 18*a^3*b^2*c^3*d*f*h*j*k^1 + 18*a^3*b^2*c^3*d*e*h*j*k^1*m + 18*a^3*b^2*c^3*d*e*g*j^1*m - 9*a^2*b^4*c^2*e*f*g*j*k^1 - 9*a^2*b^4*c^2*d*f*h*j*k^1 - 9*a^2*b^4*c^2*d*e*h*j*k^1*m - 9*a^2*b^4*c^2*d*e*g*j^1*m + 18*a^3*b^2*c^3*e*f*g*h*k^1*m + 18*a^3*b^2*c^3*d*f*g*h^1*m - 9*a^2*b^4*c^2*e*f*g*h*k^1*m - 9*a^2*b^4*c^2*d*f*g*h^1*m - 36*a^2*b^3*c^3*d*e*f*j*k^1 - 36*a^2*b^3*c^3*d*e*f*h*k^1*m - 36*a^2*b^3*c^3*d*e*f*g^1*m + 9*a^2*b^3*c^3*e*f*g*h*j*k + 9*a^2*b^3*c^3*d*f*g*h*j^1 + 9*a^2*b^3*c^3*d*e*g*h*j^1*m + 18*a^2*b^2*c^4*d*e*f*h*j*k + 18*a^2*b^2*c^4*d*e*f*g*j^1 + 18*a^2*b^2*c^4*d*e*f*g*h^1*m - 9*a^5*b^2*c*h*j*k^2*l^1*m - 9*a^5*b^2*c*g*j*k^1^2*m + 27*a^5*b^2*c*f*j*k^1*m^2 - 9*a^4*b^3*c*f^2*j*k^1*m + 9*a^3*b^4*c*f^2*j*k^1*m - 18*a^5*b*c^2*e*j*k^2*l^1*m - 9*a^5*b^2*c*g*h*k^1*m^2 + 9*a^4*b^3*c*e*j*k^2*l^1*m - 18*a^5*b*c^2*f*h*k^2*l^1*m - 18*a^5*b*c^2*d*j*k^1^2*m + 9*a^4*b^3*c*f*h*k^2*l^1*m + 9*a^4*b^3*c*d*j*k^1^2*m + 36*a^5*b*c^2*e*h*k^1^2*m - 36*a^4*b*c^3*e^2*h*k^1*m + 18*a^5*b*c^2*f*h*j^1^2*m - 18*a^5*b*c^2*f*g*k^1^2*m - 18*a^4*b^3*c*e*h*k^1^2*m + 9*a^4*b^3*c*f*g*k^1^2*m + 9*a^3*b^4*c*e*h^2*k^1*m - 9*a^2*b^5*c*e^2*h*k^1*m - 54*a^5*b*c^2*e*h*j^1*m^2 - 18*a^5*b*c^2*e*g*k^1*m^2 - 18*a^5*b*c^2*d*h*k^1*m^2 + 18*a^4*b^3*c*e*h*j^1*m^2 - 9*a^4*b^3*c*f*h*j*k^1*m^2 - 9*a^4*b^3*c*f*g*j^1*m^2 + 9*a^4*b^3*c*e*g*k^1*m^2 + 9*a^4*b^3*c*d
\end{aligned}$$

$$\begin{aligned}
& h*k*l*m^2 + 18*a^4*b*c^3*f*g^2*j*k*m - 18*a^4*b*c^3*e*g^2*j*l*m + 18*a^3*b^4*c*d*g*k^2*l*m - 9*a^3*b^4*c*e*f*k^2*l*m - 9*a^2*b^5*c*d*g^2*k*l*m - 18*a^4*b*c^3*f*g^2*h*l*m - 18*a^4*b*c^3*d*h^2*j*k*m - 9*a^3*b^4*c*d*f*k*l^2*m - 54*a^4*b*c^3*d*g*j^2*k*m - 18*a^4*b*c^3*f*g*h^2*k*m - 18*a^4*b*c^3*e*g*j^2*k*l - 18*a^4*b*c^3*d*h*j^2*k*l - 18*a^3*b^4*c*d*g*j*k*m^2 + 9*a^3*b^4*c*e*f*j*k*m^2 + 9*a^3*b^4*c*d*f*j*l*m^2 - 9*a^3*b^4*c*d*e*k*l*m^2 - 54*a^3*b*c^4*d^2*f*j*k*m + 36*a^4*b*c^3*d*g*j*k^2*l - 36*a^3*b*c^4*d^2*g*j*k*l - 18*a^4*b*c^3*e*f*j*k^2*l + 18*a^4*b*c^3*d*f*j*k^2*m - 18*a^3*b*c^4*d^2*e*j*l*m + 9*a^3*b^4*c*f*g*h*j*m^2 - 9*a*b^5*c^2*d^2*g*j*k*l + 36*a^4*b*c^3*d*g*h*k^2*m - 36*a^3*b*c^4*d^2*g*h*k*m + 18*a^4*b*c^3*e*g*h*k^2*l - 18*a^4*b*c^3*e*f*h*k^2*m - 18*a^4*b*c^3*d*f*j*k*l^2 - 18*a^3*b*c^4*d^2*f*h*l*m - 18*a^3*b*c^4*d*e^2*j*k*m - 9*a*b^5*c^2*d^2*g*h*k*m - 54*a^4*b*c^3*d*g*h*k*l^2 - 54*a^3*b*c^4*e^2*f*h*j*m - 18*a^4*b*c^3*d*f*g*l^2*m - 18*a^3*b*c^4*e^2*f*g*k*m - 54*a^4*b*c^3*d*f*g*k*m^2 - 36*a^4*b*c^3*e*f*g*j*m^2 - 36*a^4*b*c^3*d*f*h*j*m^2 + 36*a^3*b*c^4*e*f^2*g*j*m + 36*a^3*b*c^4*d*f^2*h*j*m - 18*a^4*b*c^3*d*e*h*k*m^2 - 18*a^4*b*c^3*d*e*g*l*m^2 + 18*a^3*b*c^4*e*f^2*h*j*l - 18*a^3*b*c^4*e*f^2*g*k*l - 18*a^3*b*c^4*d*f^2*h*k*l + 18*a^3*b*c^4*d*f^2*g*k*m - 9*a^2*b^5*c*e*f*g*j*m^2 - 9*a^2*b^5*c*d*f*h*j*m^2 - 54*a^3*b*c^4*d*f*g^2*j*m - 18*a^3*b*c^4*e*f*g^2*j*l - 18*a*b^4*c^3*d^2*f*g*j*m + 9*a*b^4*c^3*d^2*g*h*j*k + 9*a*b^4*c^3*d^2*f*g*k*l + 9*a*b^4*c^3*d^2*e*g*k*m - 9*a*b^4*c^3*d^2*e*f*l*m - 18*a^3*b*c^4*e*f*g^2*h*m - 18*a^3*b*c^4*d*f*h^2*j*k - 9*a*b^4*c^3*d*d*e^2*f*k*m + 18*a^3*b*c^4*d*f*g*j^2*k - 18*a^3*b*c^4*d*f*g*h^2*m - 18*a^3*b*c^4*d*e*h*j^2*k - 18*a^3*b*c^4*d*e*g*j^2*l + 18*a*b^4*c^3*d*e*f^2*j*m - 9*a*b^5*c^2*d*e*f*j^2*m - 9*a*b^4*c^3*d*e*f^2*k*l - 18*a^2*b*c^5*d^2*e*f*j*l - 9*a*b^3*c^4*d^2*e*g*j*k + 9*a*b^3*c^4*d^2*e*f*j*l - 54*a^2*b*c^5*d^2*e*g*h*l - 18*a^2*b*c^5*d^2*e*f*h*m - 18*a^2*b*c^5*d*e^2*f*j*k + 18*a*b^3*c^4*d^2*e*g*h*l - 9*a*b^3*c^4*d^2*f*g*h*k + 9*a*b^3*c^4*d^2*e*f*h*m + 9*a*b^3*c^4*d*d*e^2*f*j*k - 36*a^3*b*c^4*d*e*f*h*l^2 + 36*a^2*b*c^5*d*e^2*f*h*l + 18*a^2*b*c^5*d*e^2*g*h*k - 18*a^2*b*c^5*d*e^2*f*g*m - 18*a*b^3*c^4*d*e^2*f*h*l - 9*a*b^5*c^2*d*e*f*h*l^2 + 9*a*b^4*c^3*d*e*f*h^2*l + 9*a*b^3*c^4*d*e^2*f*g*m - 18*a^2*b*c^5*d*e*f^2*h*k - 18*a^2*b*c^5*d*e*f^2*g*l + 9*a*b^3*c^4*d*e*f^2*h*k + 9*a*b^3*c^4*d*e*f^2*g*l + 27*a*b^2*c^5*d^2*e*f*g*k + 9*a*b^4*c^3*d*e*f*g*k^2 - 9*a*b^3*c^4*d*e*f*g^2*k - 9*a*b^2*c^5*d^2*e*f*h*j - 9*a*b^2*c^5*d*e^2*f*g*j - 9*a*b^2*c^5*d*e*f^2*g*h + 72*a^4*c^4*d*f*g*j*k*m + 72*a^4*c^4*d*d*e*f*k*l*m + 9*a*b^6*c*d^2*g*k*l*m + 9*a*b^6*c*d*e*f*j*m^2 - 27*a^4*b^2*c^2*f^2*j*k*l*m - 9*a^4*b^2*c^2*g^2*h*j*l*m + 36*a^3*b^3*c^2*d^2*g*k*l*m - 18*a^4*b^2*c^2*e*h^2*k*l*m - 9*a^4*b^2*c^2*g*h^2*j*k*m + 18*a^4*b^2*c^2*f*h*j^2*k*m + 18*a^4*b^2*c^2*f*g*j^2*l*m - 18*a^4*b^2*c^2*e*h*j^2*l*m - 9*a^4*b^2*c^2*g*h*j^2*k*l - 9*a^3*b^3*c^2*f^2*h*j*k*m - 9*a^3*b^3*c^2*f^2*g*j*l*m - 63*a^4*b^2*c^2*d*g*k^2*l*m + 63*a^3*b^2*c^3*d^2*g*k*l*m - 45*a^2*b^4*c^2*d^2*g*k*l*m + 36*a^4*b^2*c^2*e*f*k^2*l*m + 27*a^3*b^3*c^2*d*g^2*k*l*m - 9*a^4*b^2*c^2*f*h*j*k^2*l - 9*a^4*b^2*c^2*e*h*j*k^2*m + 9*a^3*b^3*c^2*e*g^2*j*l*m - 9*a^3*b^2*c^3*d^2*h*j*l*m + 36*a^4*b^2*c^2*d*f*k*l^2*m + 27*a^4*b^2*c^2*e*h*j*k*l^2 - 27*a^3*b^2*c^3*e^2*h*j*k*l - 18*a^3*b^2*c^3*e^2*f*j*l*m - 9*a^4*b^2*c^2*f*g*j*k*l^2 - 9*a^4*b^2*c^2*d*g*j*l^2*m + 9*a^3*b^3*c^2*f*g^2*h*l*m - 9*a^3*b^3*c^2*e*h^2*j*k*l + 9*a^3*b^3*c^2*d*h^2*j*k*m - 9*a^3*b^2*c^3*e^2*g*j*k*m + 9*a^2*b^4*c^2*e^2*h*j*k*l + 72*a^4*b^2*c^2*d*g*j*k*m^2 + 36*a^4*b^2*c^2*d*e*k*l*m^2 + 27*a^4*b^2*c^2*e*g*h*l^2*m - 27*a^4*b^2*c^2*e*f*j*k*m^2 - 27*a^4*b^2*c^2*d*f*j*l*m^2 - 27*a^3*b^2*c^3*e^2*g*h*l*m + 27*a^3*b^2*c^3*e*f^2*j*k*m + 27*a^3*b^2*c^3*d*f^2*j*l*m + 18*a^3*b^3*c^2*d*g*j^2*k*m + 9*a^3*b^3*c^2*f*g*h^2*k*m + 9*a^3*b^3*c^2*e*g*j^2*k*l - 9*a^3*b^3*c^2*e*g*h^2*l*m - 9*a^3*b^3*c^2*e*f*j^2*k*m + 9*a^3*b^3*c^2*d*h*j^2*k*l - 9*a^3*b^3*c^2*d*f*j^2*l*m + 9*a^2*b^4*c^2*e^2*g*h*l*m + 36*a^2*b^3*c^3*d^2*g*j*k*l - 27*a^4*b^2*c^2*f*g*h*j*m^2 + 27*a^3*b^2*c^3*f^2*g*h*j*m - 18*a^4*b^2*c^2*e*f*h*l*m^2 - 18*a^3*b^3*c^2*d*g*j*k^2*l - 18*a^3*b^2*c^3*d*g^2*j*k*l + 18*a^2*b^3*c^3*d^2*f*j*k*m - 9*a^4*b^2*c^2*e*g*h*k*m^2 - 9*a^4*b^2*c^2*d*g*h*l*m^2 - 9*a^3*b^3*c^2*f*g*h*j^2*m + 9*a^3*b^3*c^2*e*f*j*k^2*l - 9*a^3*b^2*c^3*f^2*g*h*k*l + 9*a^2*b^4*c^2*d*g^2*j*k*l + 9*a^2*b^3*c^3*d^2*e*j*l*m + 36*a^3*b^2*c^3*e*f*g^2*l*m + 36*a^2*b^3*c^3*d^2*g*h*k*m - 18*a^3*b^3*c^
\end{aligned}$$

$$\begin{aligned}
& 2*d*g*h*k^2*m - 18*a^3*b^2*c^3*d*g^2*h*k*m + 9*a^3*b^3*c^2*e*f*h*k^2*m + 9* \\
& a^3*b^3*c^2*d*f*j*k*1^2 - 9*a^3*b^2*c^3*f*g^2*h*j*1 - 9*a^3*b^2*c^3*e*g^2*h \\
& *j*m - 9*a^2*b^4*c^2*e*f*g^2*1*m + 9*a^2*b^4*c^2*d*g^2*h*k*m + 9*a^2*b^3*c^ \\
& 3*d^2*f*h*1*m + 9*a^2*b^3*c^3*d*e^2*j*k*m + 36*a^3*b^2*c^3*d*f*h^2*k*m + 36 \\
& *a^3*b^2*c^3*d*e*j^2*k*1 + 18*a^3*b^3*c^2*d*g*h*k*1^2 + 18*a^3*b^2*c^3*e*g* \\
& h^2*j*1 + 18*a^3*b^2*c^3*e*f*h^2*k*1 - 18*a^3*b^2*c^3*e*f*h^2*j*m - 18*a^3* \\
& b^2*c^3*d*g*h^2*k*1 + 18*a^3*b^2*c^3*d*e*h^2*1*m + 18*a^2*b^3*c^3*e^2*f*h*j \\
& *m - 9*a^3*b^3*c^2*e*g*h*j*1^2 - 9*a^3*b^3*c^2*e*f*h*k*1^2 + 9*a^3*b^3*c^2* \\
& d*f*g*1^2*m - 9*a^3*b^3*c^2*d*e*h*1^2*m - 9*a^3*b^2*c^3*f*g*h^2*j*k - 9*a^3 \\
& *b^2*c^3*d*g*h^2*j*m - 9*a^2*b^4*c^2*d*f*h^2*k*m - 9*a^2*b^4*c^2*d*e*j^2*k* \\
& 1 - 9*a^2*b^3*c^3*e^2*g*h*j*1 - 9*a^2*b^3*c^3*e^2*f*h*k*1 + 9*a^2*b^3*c^3*e \\
& ^2*f*g*k*m - 9*a^2*b^3*c^3*d*e^2*h*1*m + 36*a^3*b^3*c^2*e*f*g*j*m^2 + 36*a^ \\
& 3*b^3*c^2*d*f*h*j*m^2 + 18*a^3*b^3*c^2*d*f*g*k*m^2 - 18*a^3*b^2*c^3*e*f*g*j \\
& ^2*m - 18*a^3*b^2*c^3*d*f*h*j^2*m - 18*a^2*b^3*c^3*e*f^2*g*j*m - 18*a^2*b^3 \\
& *c^3*d*f^2*h*j*m + 9*a^3*b^3*c^2*d*e*h*k*m^2 + 9*a^3*b^3*c^2*d*e*g*1*m^2 - \\
& 9*a^3*b^2*c^3*e*g*h*j^2*k - 9*a^3*b^2*c^3*d*g*h*j^2*1 + 9*a^2*b^4*c^2*e*f*g \\
& *j^2*m + 9*a^2*b^4*c^2*d*f*h*j^2*m + 9*a^2*b^3*c^3*e*f^2*g*k*1 + 9*a^2*b^3* \\
& c^3*d*f^2*h*k*1 + 72*a^2*b^2*c^4*d^2*f*g*j*m + 36*a^2*b^2*c^4*d^2*e*f*1*m + \\
& 27*a^3*b^2*c^3*d*g*h*j*k^2 + 27*a^3*b^2*c^3*d*f*g*k^2*1 + 27*a^3*b^2*c^3*d \\
& *e*g*k^2*m - 27*a^2*b^2*c^4*d^2*g*h*j*k - 27*a^2*b^2*c^4*d^2*f*g*k*1 - 27*a \\
& ^2*b^2*c^4*d^2*e*g*k*m + 18*a^2*b^3*c^3*d*f*g^2*j*m - 18*a^2*b^2*c^4*d^2*e* \\
& h*k*1 - 9*a^3*b^2*c^3*e*f*h*j*k^2 + 9*a^2*b^3*c^3*e*f*g^2*j*1 - 9*a^2*b^3*c \\
& ^3*d*g^2*h*j*k - 9*a^2*b^3*c^3*d*f*g^2*k*1 - 9*a^2*b^3*c^3*d*e*g^2*k*m - 9* \\
& a^2*b^2*c^4*d^2*f*h*j*1 - 9*a^2*b^2*c^4*d^2*e*h*j*m + 36*a^2*b^2*c^4*d*e^2* \\
& f*k*m - 27*a^3*b^2*c^3*d*e*h*j*1^2 + 27*a^2*b^2*c^4*d*e^2*h*j*1 - 18*a^3*b^ \\
& 2*c^3*d*e*g*k*1^2 - 9*a^3*b^2*c^3*d*f*g*j*1^2 + 9*a^2*b^4*c^2*d*e*h*j*1^2 + \\
& 9*a^2*b^3*c^3*e*f*g^2*h*m + 9*a^2*b^3*c^3*d*f*h^2*j*k - 9*a^2*b^3*c^3*d*e* \\
& h^2*j*1 - 9*a^2*b^2*c^4*e^2*f*g*j*k - 9*a^2*b^2*c^4*d*e^2*g*j*m + 63*a^3*b^ \\
& 2*c^3*d*e*f*j*m^2 - 63*a^2*b^2*c^4*d*e*f^2*j*m - 45*a^2*b^4*c^2*d*e*f*j*m^2 \\
& + 36*a^2*b^2*c^4*d*e*f^2*k*1 - 27*a^3*b^2*c^3*e*f*g*h*1^2 + 27*a^2*b^3*c^3 \\
& *d*e*f*j^2*m + 27*a^2*b^2*c^4*e^2*f*g*h*1 + 9*a^2*b^4*c^2*e*f*g*h*1^2 - 9*a \\
& ^2*b^3*c^3*e*f*g*h^2*1 + 9*a^2*b^3*c^3*d*f*g*h^2*m + 9*a^2*b^3*c^3*d*e*h*j^ \\
& 2*k + 9*a^2*b^3*c^3*d*e*g*j^2*1 + 18*a^2*b^2*c^4*d*e*g^2*j*k - 9*a^3*b^2*c^ \\
& 3*d*e*g*h*m^2 - 9*a^2*b^3*c^3*d*e*g*j*k^2 - 9*a^2*b^2*c^4*e*f^2*g*h*k - 9*a \\
& ^2*b^2*c^4*d*f^2*g*h*1 + 18*a^2*b^2*c^4*d*f*g^2*h*k - 18*a^2*b^2*c^4*d*e*g^ \\
& 2*h*1 - 9*a^2*b^3*c^3*d*f*g*h*k^2 - 9*a^2*b^2*c^4*e*f*g^2*h*j + 36*a^2*b^3* \\
& c^3*d*e*f*h*1^2 - 18*a^2*b^2*c^4*d*e*f*h^2*1 - 9*a^2*b^2*c^4*d*f*g*h^2*j - \\
& 9*a^2*b^2*c^4*d*e*g*h*j^2 - 27*a^2*b^2*c^4*d*e*f*g*k^2 + 18*a^2*b^2*c^4*d^2 \\
& *f*h*k^2 - 9*a^2*b^3*c^3*e*f*g^2*k^2 - 9*a^2*b^2*c^4*e^2*f*h*j^2 - 9*a^2*b^ \\
& 2*c^4*d*f^2*h^2*k + 45*a^2*b^3*c^3*d*e*f^2*m^2 + 36*a^2*b^2*c^4*d^2*e*g*1^2 \\
& + 9*a^2*b^3*c^3*d*e*g^2*1^2 + 9*a^2*b^2*c^4*e*f^2*g*j^2 + 9*a^2*b^2*c^4*d* \\
& f^2*h*j^2 - 9*a^2*b^2*c^4*d*e^2*h*k^2 - 36*a^2*b^2*c^4*d*e^2*f*1^2 - 9*a^2* \\
& b^2*c^4*d*f*g^2*j^2 - 12*a^6*b*c*h*k*1^3*m + 3*a*b^6*c*e^3*k*1*m + 3*a*b^6* \\
& c*d*e*f*1^3 - 12*a*b*c^6*d*e^3*f*h + 9*a^5*b^2*c*h^2*k*1^2*m + 18*a^5*b*c^2 \\
& *g^2*k^2*1*m - 9*a^5*b^2*c*h^2*j*1*m^2 + 9*a^5*b*c^2*h^2*j^2*1*m - 9*a^4*b^ \\
& 3*c*g^2*k^2*1*m - 3*a^4*b^2*c^2*g^3*k*1*m + 18*a^5*b*c^2*f^2*k*1*m^2 + 15*a \\
& ^3*b^3*c^2*f^3*k*1*m + 9*a^5*b^2*c*h*j^2*k*m^2 + 9*a^5*b^2*c*g*j^2*1*m^2 - \\
& 9*a^5*b^2*c*f*k^2*1^2*m + 9*a^5*b*c^2*h^2*j*k^2*m + 9*a^5*b*c^2*g^2*j*1^2*m \\
& - 9*a^4*b^3*c*f^2*k*1*m^2 + 36*a^3*b^2*c^3*e^3*k*1*m - 27*a^5*b*c^2*g^2*j* \\
& k*m^2 - 18*a^5*b*c^2*h^2*j*k*1^2 - 18*a^2*b^4*c^2*e^3*k*1*m - 9*a^5*b^2*c*g \\
& *j*k^2*m^2 - 9*a^5*b^2*c*e*k^2*1*m^2 + 9*a^5*b*c^2*h*j^2*k^2*1 + 9*a^5*b*c^ \\
& 2*g*j^2*k^2*m + 9*a^4*b^3*c*g^2*j*k*m^2 + 9*a^3*b^4*c*e^2*k*1^2*m + 3*a^4*b \\
& ^2*c^2*h^3*j*k*1 - 54*a^4*b*c^3*d^2*k^2*1*m - 51*a^2*b^3*c^3*d^3*k*1*m - 27 \\
& *a^4*b*c^3*e^2*j^2*1*m - 18*a^5*b*c^2*g*h^2*1^2*m - 9*a^5*b^2*c*e*j*1^2*m^2 \\
& - 9*a^5*b^2*c*d*k*1^2*m^2 + 9*a^5*b*c^2*g^2*h*1*m^2 + 9*a^5*b*c^2*g*j^2*k* \\
& 1^2 + 9*a^5*b*c^2*e*j^2*1^2*m - 9*a^3*b^4*c*e^2*j*1*m^2 - 9*a^2*b^5*c*d^2*k \\
& ^2*1*m + 3*a^4*b^2*c^2*g*h^3*1*m - 3*a^3*b^3*c^2*g^3*j*k*1 + 18*a^5*b*c^2*e \\
& *j^2*k*m^2 + 18*a^5*b*c^2*d*j^2*1*m^2 + 18*a^4*b*c^3*f^2*j^2*k*1 + 9*a^5*b* \\
& c^2*g*h^2*k*m^2 + 9*a^5*b*c^2*f*h^2*1*m^2 + 9*a^5*b*c^2*f*j*k^2*1^2 - 9*a^4
\end{aligned}$$

$$\begin{aligned}
& *b^3*c*e*j^2*k*m^2 - 9*a^4*b^3*c*d*j^2*l*m^2 + 9*a^4*b^2*c^2*f*j^3*k*l + 9* \\
& a^4*b^2*c^2*e*j^3*k*m + 9*a^4*b^2*c^2*d*j^3*l*m + 9*a^4*b*c^3*f^2*h^2*l*m + \\
& 9*a^4*b*c^3*e^2*j*k^2*m + 9*a^4*b*c^3*d^2*j*l^2*m - 3*a^3*b^3*c^2*g^3*h*k* \\
& m - 3*a^3*b^2*c^3*f^3*j*k*l + 3*a^2*b^4*c^2*f^3*j*k*l + 45*a^4*b*c^3*d^2*j* \\
& k*m^2 - 27*a^5*b*c^2*d*j*k^2*m^2 + 18*a^5*b*c^2*g*h*j^2*m^2 + 18*a^4*b*c^3* \\
& e^2*j*k*l^2 + 15*a^2*b^3*c^3*e^3*j*k*l - 12*a^3*b^2*c^3*f^3*h*k*m - 12*a^3* \\
& b^2*c^3*f^3*g*l*m + 9*a^5*b*c^2*g*h*k^2*l^2 - 9*a^4*b^3*c*g*h*j^2*m^2 + 9*a \\
& ^4*b^3*c*d*j*k^2*m^2 + 9*a^4*b^2*c^2*g*h*j^3*m + 9*a^4*b*c^3*g^2*h^2*k*l + \\
& 9*a^4*b*c^3*g^2*h^2*j*m + 9*a^2*b^5*c*d^2*j*k*m^2 + 3*a^2*b^4*c^2*f^3*h*k*m \\
& + 3*a^2*b^4*c^2*f^3*g*l*m + 36*a^2*b^2*c^4*d^3*j*k*l + 18*a^4*b*c^3*e^2*g* \\
& l^2*m + 15*a^2*b^3*c^3*e^3*g*l*m + 12*a^4*b^2*c^2*d*j*k^3*l + 9*a^5*b*c^2*f \\
& *g*k^2*m^2 + 9*a^5*b*c^2*e*h*k^2*m^2 + 9*a^4*b*c^3*g^2*h*j^2*l + 9*a^4*b*c^ \\
& 3*f^2*h*k^2*l + 9*a^4*b*c^3*f^2*g*k^2*m + 9*a^4*b*c^3*d^2*h*l*m^2 - 9*a^3*b \\
& ^3*c^2*e*h^3*k*m + 6*a^2*b^3*c^3*e^3*h*k*m + 45*a^4*b*c^3*e^2*h*j*m^2 + 36* \\
& a^2*b^2*c^4*d^3*h*k*m - 33*a^3*b^2*c^3*d*g^3*l*m - 27*a^4*b*c^3*f^2*h*j*l^2 \\
& - 27*a^4*b*c^3*e^2*f*l*m^2 - 27*a^4*b*c^3*e*h^2*j^2*m - 18*a^4*b*c^3*g^2*h \\
& *j*k^2 - 18*a^4*b*c^3*f*g^2*k^2*l - 18*a^4*b*c^3*e*g^2*k^2*m - 18*a^3*b*c^4 \\
& *d^2*g^2*l*m + 12*a^4*b^2*c^2*d*h*k^3*m + 9*a^5*b*c^2*e*f*l^2*m^2 + 9*a^5*b \\
& *c^2*d*g*l^2*m^2 + 9*a^4*b*c^3*f^2*g*k*l^2 + 9*a^4*b*c^3*e^2*g*k*m^2 + 9*a^ \\
& 4*b*c^3*g*h^2*j^2*k + 9*a^4*b*c^3*f*h^2*j^2*l + 9*a^4*b*c^3*e*f^2*l^2*m - 9 \\
& *a^3*b^4*c*e*h^2*j*m^2 + 9*a^3*b*c^4*e^2*f^2*l*m + 9*a^2*b^5*c*e^2*h*j*m^2 \\
& + 9*a^2*b^4*c^2*d*g^3*l*m - 9*a^2*b^2*c^4*d^3*g*l*m - 9*a*b^5*c^2*d^2*g^2*l \\
& *m - 6*a^4*b^2*c^2*e*h*k^3*l - 6*a^3*b^2*c^3*f*g^3*j*m + 3*a^4*b^2*c^2*g*h* \\
& j*k^3 + 3*a^4*b^2*c^2*f*g*k^3*l + 3*a^4*b^2*c^2*e*g*k^3*m + 3*a^3*b^2*c^3*g \\
& ^3*h*j*k + 3*a^3*b^2*c^3*f*g^3*k*l + 3*a^3*b^2*c^3*e*g^3*k*m - 27*a^3*b*c^4 \\
& *d^2*h^2*k*l + 18*a^4*b*c^3*e*f^2*k*m^2 + 18*a^4*b*c^3*d*f^2*l*m^2 + 9*a^4* \\
& b*c^3*f*h^2*j*k^2 + 9*a^4*b*c^3*f*g^2*j*l^2 + 9*a^4*b*c^3*e*g^2*k*l^2 + 9*a \\
& ^4*b*c^3*d*h^2*k^2*l + 9*a^3*b^4*c*e*g*j^2*m^2 + 9*a^3*b^4*c*d*h*j^2*m^2 - \\
& 9*a^3*b^3*c^2*e*g*j^3*m - 9*a^3*b^3*c^2*d*h*j^3*m + 9*a^3*b*c^4*e^2*g^2*k*l \\
& + 9*a^3*b*c^4*e^2*g^2*j*m + 9*a^3*b*c^4*d^2*h^2*j*m - 3*a^2*b^3*c^3*f^3*h* \\
& j*k - 3*a^2*b^3*c^3*f^3*g*j*l - 3*a^2*b^3*c^3*e*f^3*k*m - 3*a^2*b^3*c^3*d*f \\
& ^3*l*m + 45*a^4*b*c^3*d*g^2*j*m^2 + 45*a^3*b*c^4*d^2*g*j^2*m + 24*a^4*b^2*c \\
& ^2*d*g*k*l^3 + 24*a^2*b^2*c^4*e^3*f*j*m + 18*a^4*b*c^3*f^2*g*h*m^2 + 18*a^4 \\
& *b*c^3*d*h^2*j*l^2 + 18*a^3*b*c^4*e^2*h^2*j*k - 12*a^4*b^2*c^2*e*g*j*l^3 - \\
& 12*a^4*b^2*c^2*e*f*k*l^3 - 12*a^4*b^2*c^2*d*e*l^3*m - 12*a^2*b^2*c^4*e^3*g* \\
& j*l - 12*a^2*b^2*c^4*e^3*f*k*l - 12*a^2*b^2*c^4*d*e^3*l*m + 9*a^4*b*c^3*f*g \\
& *j^2*k^2 + 9*a^4*b*c^3*e*h*j^2*k^2 + 9*a^3*b^2*c^3*e*h^3*j*k + 9*a^3*b^2*c^ \\
& 3*d*h^3*j*l + 9*a^3*b*c^4*f^2*g^2*j*k + 9*a^3*b*c^4*d^2*h*j^2*l + 9*a^2*b^5 \\
& *c*d*g^2*j*m^2 + 9*a*b^5*c^2*d^2*g*j^2*m - 3*a^4*b^2*c^2*d*h*j*l^3 - 3*a^2* \\
& b^3*c^3*f^3*g*h*m - 3*a^2*b^2*c^4*e^3*h*j*k + 18*a^4*b*c^3*f*g*h^2*l^2 + 18 \\
& *a^3*b*c^4*e^2*g*h^2*m + 18*a^3*b*c^4*d^2*h*j*k^2 + 18*a^3*b*c^4*d^2*f*k^2* \\
& l + 18*a^3*b*c^4*d^2*e*k^2*m + 9*a^4*b*c^3*e*g^2*h*m^2 + 9*a^4*b*c^3*e*f*j^ \\
& 2*l^2 + 9*a^4*b*c^3*d*g*j^2*l^2 + 9*a^3*b^2*c^3*f*g*h^3*l + 9*a^3*b^2*c^3*e \\
& *g*h^3*m + 9*a^3*b*c^4*f^2*g^2*h*l + 9*a^3*b*c^4*e^2*g*j^2*k + 9*a^3*b*c^4* \\
& e^2*f*j^2*l - 9*a^2*b^3*c^3*d*g^3*j*l + 9*a*b^4*c^3*d^2*g^2*j*l - 3*a^4*b^2 \\
& *c^2*f*g*h*l^3 - 3*a^3*b^3*c^2*e*g*j*k^3 - 3*a^3*b^3*c^2*d*h*j*k^3 - 3*a^3* \\
& b^3*c^2*d*f*k^3*l - 3*a^3*b^3*c^2*d*e*k^3*m - 3*a^2*b^2*c^4*e^3*g*h*m - 33* \\
& a^3*b^2*c^3*d*e*j^3*m - 27*a^4*b*c^3*e*f*h^2*m^2 - 27*a^3*b*c^4*d^2*e*k*l^2 \\
& - 18*a^4*b*c^3*d*e*j^2*m^2 - 18*a^3*b*c^4*e*f^2*j^2*k - 18*a^3*b*c^4*d*f^2 \\
& *j^2*l - 9*a^4*b^2*c^2*d*e*j*m^3 + 9*a^4*b*c^3*d*g*h^2*m^2 + 9*a^4*b*c^3*d* \\
& e*k^2*l^2 + 9*a^3*b*c^4*f^2*g*h^2*k + 9*a^3*b*c^4*e^2*f*j*k^2 + 9*a^3*b*c^4 \\
& *d^2*f*j*l^2 + 9*a^3*b*c^4*e*f^2*h^2*m + 9*a^3*b*c^4*d*e^2*k^2*l - 9*a^2*b^ \\
& 5*c*d*e*j^2*m^2 + 9*a^2*b^4*c^2*d*e*j^3*m - 9*a^2*b^3*c^3*d*g^3*h*m + 9*a^2 \\
& *b*c^5*d^2*e^2*k*l + 9*a^2*b*c^5*d^2*e^2*j*m + 9*a*b^4*c^3*d^2*g^2*h*m - 6* \\
& a^3*b^2*c^3*d*g*j^3*k - 3*a^3*b^3*c^2*f*g*h*k^3 + 3*a^3*b^2*c^3*e*f*j^3*k + \\
& 3*a^3*b^2*c^3*d*f*j^3*l + 3*a^2*b^2*c^4*e*f^3*j*k + 3*a^2*b^2*c^4*d*f^3*j* \\
& l + 45*a^3*b*c^4*d^2*g*h*l^2 + 36*a^4*b^2*c^2*e*f*g*m^3 + 36*a^4*b^2*c^2*d* \\
& f*h*m^3 - 27*a^3*b*c^4*e^2*g*h*k^2 - 27*a^3*b*c^4*d*g^2*h^2*l - 18*a^3*b*c^ \\
& 4*f^2*g*h*j^2 + 18*a^3*b*c^4*d*e^2*j*l^2 + 15*a^3*b^3*c^2*d*e*j*l^3 + 12*a^
\end{aligned}$$

$$\begin{aligned}
& 2*b^2*c^4*e*f^3*g*m + 12*a^2*b^2*c^4*d*f^3*h*m + 9*a^3*b*c^4*f*g^2*h^2*j + \\
& 9*a^3*b*c^4*e*g^2*h^2*k + 9*a^3*b*c^4*d*f^2*j*k^2 + 9*a^2*b*c^5*d^2*f^2*j*k \\
& + 9*a*b^5*c^2*d^2*g*h^1^2 - 9*a*b^4*c^3*d^2*g*h^2*1 - 6*a^2*b^2*c^4*e*f^3* \\
& h*1 + 3*a^3*b^2*c^3*f*g*h*j^3 + 3*a^2*b^2*c^4*f^3*g*h*j + 45*a^3*b*c^4*d^2* \\
& f*g*m^2 - 27*a^2*b*c^5*d^2*f^2*g*m + 18*a^3*b*c^4*e^2*f*g*1^2 + 15*a^3*b^3* \\
& c^2*e*f*g*1^3 - 12*a^3*b^2*c^3*d*e*j*k^3 + 9*a^3*b*c^4*d^2*e*h*m^2 + 9*a^3* \\
& b*c^4*e*g^2*h*j^2 + 9*a^3*b*c^4*e*f^2*h*k^2 - 9*a^2*b^3*c^3*d*f*h^3*1 + 9*a \\
& ^2*b*c^5*d^2*f^2*h*1 + 9*a*b^5*c^2*d^2*f*g*m^2 + 9*a*b^3*c^4*d^2*f^2*g*m + \\
& 6*a^3*b^3*c^2*d*f*h*1^3 + 3*a^2*b^4*c^2*d*e*j*k^3 + 18*a^3*b*c^4*e*f*g^2*k^ \\
& 2 + 18*a^2*b*c^5*d^2*g^2*h*j + 18*a^2*b*c^5*d^2*f*g^2*1 + 18*a^2*b*c^5*d^2* \\
& e*g^2*m - 12*a^3*b^2*c^3*d*f*h*k^3 + 9*a^3*b*c^4*e*f*h^2*j^2 + 9*a^3*b*c^4* \\
& d*f^2*g*1^2 + 9*a^3*b*c^4*d*e^2*g*m^2 + 9*a^3*b*c^4*d*g*h^2*j^2 + 9*a^2*b^2 \\
& *c^4*e*f*g^3*k + 9*a^2*b^2*c^4*d*g^3*h*j + 9*a^2*b^2*c^4*d*f*g^3*1 + 9*a^2* \\
& b^2*c^4*d*e*g^3*m + 9*a^2*b*c^5*e^2*f^2*h*j + 9*a^2*b*c^5*e^2*f^2*g*k - 9*a \\
& *b^3*c^4*d^2*g^2*h*j - 9*a*b^3*c^4*d^2*f*g^2*1 - 9*a*b^3*c^4*d^2*e*g^2*m - \\
& 3*a^3*b^2*c^3*e*f*g*k^3 + 3*a^2*b^4*c^2*e*f*g*k^3 + 3*a^2*b^4*c^2*d*f*h*k^3 \\
& - 54*a^3*b*c^4*d*e*f^2*m^2 - 51*a^3*b^3*c^2*d*e*f*m^3 - 27*a^3*b*c^4*d*e*g \\
& ^2*1^2 + 9*a^3*b*c^4*d*e*h^2*k^2 + 9*a^2*b*c^5*e^2*f*g^2*j + 9*a^2*b*c^5*d^ \\
& 2*f*h^2*j + 9*a^2*b*c^5*d^2*e*h^2*k + 9*a^2*b*c^5*d*e^2*g^2*1 - 9*a*b^5*c^2 \\
& *d*e*f^2*m^2 - 9*a*b^4*c^3*d^2*e*g*1^2 - 9*a*b^2*c^5*d^2*e^2*g*1 - 9*a*b^2* \\
& c^5*d^2*e^2*f*m - 3*a^2*b^3*c^3*e*f*g*j^3 - 3*a^2*b^3*c^3*d*f*h*j^3 + 36*a^ \\
& 3*b^2*c^3*d*e*f*1^3 - 27*a^2*b*c^5*d^2*f*g*j^2 - 18*a^2*b^4*c^2*d*e*f*1^3 - \\
& 18*a^2*b*c^5*d*e^2*h^2*j + 9*a^2*b*c^5*d^2*e*h*j^2 + 9*a^2*b*c^5*d*f^2*g^2 \\
& *j + 9*a*b^4*c^3*d*e^2*f*1^2 + 9*a*b^3*c^4*d^2*f*g*j^2 - 9*a*b^2*c^5*d^2*f^ \\
& 2*g*j - 9*a*b^2*c^5*d^2*e*f^2*1 + 3*a^2*b^2*c^4*d*e*h^3*j - 18*a^2*b*c^5*e^ \\
& 2*f*g*h^2 + 18*a^2*b*c^5*d^2*e*f*k^2 + 15*a^2*b^3*c^3*d*e*f*k^3 + 9*a^2*b*c \\
& ^5*e*f^2*g^2*h + 9*a^2*b*c^5*d*e^2*g*j^2 - 9*a*b^3*c^4*d^2*e*f*k^2 + 9*a*b^ \\
& 2*c^5*d^2*e*g^2*j - 9*a*b^2*c^5*d*e^2*f^2*k + 3*a^2*b^2*c^4*e*f*g*h^3 + 18* \\
& a^2*b*c^5*d*e*f^2*j^2 + 9*a^2*b*c^5*d*f^2*g*h^2 - 9*a*b^3*c^4*d*e*f^2*j^2 + \\
& 9*a*b^2*c^5*d^2*f*g^2*h - 3*a^2*b^2*c^4*d*e*f*j^3 + 9*a^2*b*c^5*d*e*g^2*h^ \\
& 2 - 9*a*b^2*c^5*d^2*e*g*h^2 + 9*a*b^2*c^5*d*e^2*f*h^2 - 36*a^6*c^2*f*j*k*1* \\
& m^2 + 36*a^5*c^3*f^2*j*k*1*m - 36*a^5*c^3*f*h^2*j*1*m + 36*a^5*c^3*e*h*j^2* \\
& 1*m - 18*a^6*b*c*j^2*k*1*m^2 + 9*a^6*b*c*j*k^2*1^2*m + 3*a^5*b^2*c*j^3*k*1* \\
& m - 36*a^5*c^3*f*g*j*k^2*m - 36*a^5*c^3*e*f*k^2*1*m + 36*a^5*c^3*d*g*k^2*1* \\
& m - 36*a^4*c^4*d^2*g*k*1*m - 36*a^5*c^3*e*h*j*k*1^2 - 36*a^5*c^3*e*f*j*1^2* \\
& m - 36*a^5*c^3*d*f*k*1^2*m + 36*a^4*c^4*e^2*h*j*k*1 + 36*a^4*c^4*e^2*f*j*1* \\
& m + 9*a^6*b*c*h*k^2*1*m^2 - 3*a^4*b^3*c*h^3*k*1*m - 36*a^5*c^3*e*g*h*1^2*m \\
& + 36*a^5*c^3*e*f*j*k*m^2 - 36*a^5*c^3*d*g*j*k*m^2 + 36*a^5*c^3*d*f*j*1*m^2 \\
& - 36*a^5*c^3*d*e*k*1*m^2 + 36*a^4*c^4*e^2*g*h*1*m - 36*a^4*c^4*e*f^2*j*k*m \\
& - 36*a^4*c^4*d*f^2*j*1*m + 9*a^6*b*c*h*j*1^2*m^2 + 9*a^6*b*c*g*k*1^2*m^2 + \\
& 9*a^5*b^2*c*g*k^3*1*m + 3*a^3*b^4*c*g^3*k*1*m + 36*a^5*c^3*f*g*h*j*m^2 + 36 \\
& *a^5*c^3*e*f*h*1*m^2 - 36*a^4*c^4*f^2*g*h*j*m - 36*a^4*c^4*e*f^2*h*1*m - 24 \\
& *a^4*b*c^3*f^3*k*1*m - 12*a^5*b*c^2*h*j^3*k*m - 12*a^5*b*c^2*g*j^3*1*m - 3* \\
& a^2*b^5*c*f^3*k*1*m - 36*a^4*c^4*e*g^2*h*k*1 - 36*a^4*c^4*e*f*g^2*1*m + 12* \\
& a^5*b^2*c*e*k*1^3*m - 6*a^5*b^2*c*f*j*1^3*m + 3*a^5*b^2*c*h*j*k*1^3 + 48*a^ \\
& 3*b*c^4*d^3*k*1*m + 36*a^4*c^4*e*f*h^2*j*m + 36*a^4*c^4*d*g*h^2*k*1 - 36*a^ \\
& 4*c^4*d*f*h^2*k*m - 36*a^4*c^4*d*e*j^2*k*1 + 24*a^5*b*c^2*d*k^3*1*m + 21*a* \\
& b^5*c^2*d^3*k*1*m - 12*a^5*b*c^2*g*j*k^3*1 - 9*a^4*b^3*c*d*k^3*1*m + 6*a^5* \\
& b*c^2*f*j*k^3*m + 3*a^5*b^2*c*g*h*1^3*m - 36*a^4*c^4*e*f*h*j^2*1 - 12*a^5*b \\
& *c^2*g*h*k^3*m - 3*a^5*b^2*c*e*j*k*m^3 - 3*a^5*b^2*c*d*j*1*m^3 - 36*a^4*c^4 \\
& *d*g*h*j*k^2 - 36*a^4*c^4*d*f*g*k^2*1 - 36*a^4*c^4*d*e*h*k^2*1 - 36*a^4*c^4 \\
& *d*e*g*k^2*m + 36*a^3*c^5*d^2*g*h*j*k + 36*a^3*c^5*d^2*f*g*k*1 - 36*a^3*c^5 \\
& *d^2*f*g*j*m + 36*a^3*c^5*d^2*e*h*k*1 + 36*a^3*c^5*d^2*e*g*k*m - 36*a^3*c^5 \\
& *d^2*e*f*1*m + 24*a^5*b^2*c*e*h*1*m^3 - 24*a^3*b*c^4*e^3*j*k*1 - 12*a^5*b^2 \\
& *c*f*h*k*m^3 - 12*a^5*b^2*c*f*g*1*m^3 - 3*a^5*b^2*c*g*h*j*m^3 - 3*a^4*b^3*c \\
& *e*j*k*1^3 - 3*a*b^5*c^2*e^3*j*k*1 + 36*a^4*c^4*d*e*h*j*1^2 + 36*a^4*c^4*d* \\
& e*g*k*1^2 - 36*a^3*c^5*d*e^2*h*j*1 - 36*a^3*c^5*d*e^2*g*k*1 - 36*a^3*c^5*d* \\
& e^2*f*k*m + 24*a^4*b*c^3*e*h^3*k*m - 24*a^3*b*c^4*e^3*g*1*m - 18*a*b^4*c^3* \\
& d^3*j*k*1 - 12*a^4*b*c^3*g*h^3*j*1 - 12*a^4*b*c^3*f*h^3*k*1 - 12*a^4*b*c^3*
\end{aligned}$$

$$\begin{aligned}
& d^3 h^3 l^3 m + 12 a^3 b^3 c^4 e^3 h^3 k^3 m + 6 a^4 b^3 c^3 f^3 h^3 j^3 m - 3 a^4 b^3 c^3 g^3 h^3 j^3 l^3 - 3 a^4 b^3 c^3 f^3 h^3 k^3 l^3 - 3 a^4 b^3 c^3 e^3 g^3 l^3 m - 3 a^4 b^3 c^3 d^3 h^3 l^3 m - 3 a^4 b^3 c^3 e^3 h^3 k^3 m - 3 a^4 b^3 c^3 e^3 g^3 l^3 m + 36 a^4 c^4 e^3 f^3 g^3 h^3 l^2 - 36 a^4 c^4 d^3 e^3 f^3 j^3 m^2 - 36 a^3 c^5 e^2 f^3 g^3 h^3 l - 36 a^3 c^5 d^3 e^2 f^3 g^3 j^3 k - 36 a^3 c^5 d^3 e^2 f^3 k^3 l + 36 a^3 c^5 d^3 e^2 f^3 j^3 m - 18 a^3 b^4 c^3 d^3 h^3 k^3 m - 9 a^3 b^4 c^3 d^3 g^3 l^3 m + 30 a^5 b^3 c^2 d^3 g^3 k^3 m^3 - 30 a^4 b^3 c^3 d^3 g^3 k^3 m^3 - 24 a^5 b^3 c^2 e^3 f^3 k^3 m^3 - 24 a^5 b^3 c^2 d^3 f^3 l^3 m^3 + 24 a^4 b^3 c^3 e^3 g^3 j^3 m + 24 a^4 b^3 c^3 d^3 h^3 j^3 m + 15 a^4 b^3 c^3 e^3 f^3 k^3 m^3 + 15 a^4 b^3 c^3 d^3 f^3 l^3 m^3 + 12 a^5 b^3 c^2 e^3 g^3 j^3 m^3 + 12 a^5 b^3 c^2 d^3 h^3 j^3 m^3 - 12 a^4 b^3 c^3 f^3 h^3 j^3 k - 12 a^4 b^3 c^3 f^3 g^3 j^3 l + 6 a^4 b^3 c^3 e^3 g^3 j^3 m^3 + 6 a^4 b^3 c^3 d^3 h^3 j^3 m^3 + 6 a^4 b^3 c^3 e^3 h^3 j^3 l + 36 a^3 c^5 d^3 e^2 g^3 h^3 l - 24 a^5 b^3 c^2 f^3 g^3 h^3 m^3 + 15 a^4 b^3 c^3 f^3 g^3 h^3 m^3 - 9 a^3 b^6 c^3 d^2 g^3 j^3 m^2 - 6 a^3 b^4 c^3 d^3 g^3 k^3 l^3 - 6 a^3 b^4 c^3 e^3 f^3 j^3 m + 3 a^3 b^4 c^3 e^3 g^3 j^3 l^3 + 3 a^3 b^4 c^3 e^3 f^3 k^3 l^3 + 3 a^3 b^4 c^3 d^3 h^3 j^3 l^3 + 3 a^3 b^4 c^3 d^3 e^3 l^3 m + 3 a^3 b^4 c^3 e^3 h^3 j^3 k + 3 a^3 b^4 c^3 e^3 g^3 j^3 l + 3 a^3 b^4 c^3 e^3 f^3 k^3 l + 3 a^3 b^4 c^3 d^3 e^3 l^3 m - 36 a^3 c^5 d^3 e^2 g^3 h^2 k + 30 a^2 b^3 c^5 d^3 f^3 j^3 m - 30 a^3 b^3 c^4 d^3 f^3 j^3 m + 24 a^3 b^3 c^4 d^3 g^3 j^3 l - 24 a^2 b^3 c^5 d^3 h^3 j^3 k - 24 a^2 b^3 c^5 d^3 f^3 k^3 l - 24 a^2 b^3 c^5 d^3 e^3 k^3 m + 15 a^3 b^3 c^4 d^3 h^3 j^3 k + 15 a^3 b^3 c^4 d^3 f^3 k^3 l + 15 a^3 b^3 c^4 d^3 e^3 k^3 m - 12 a^3 b^3 c^4 e^3 g^3 j^3 k + 12 a^2 b^3 c^5 d^3 g^3 j^3 l + 6 a^3 b^3 c^4 d^3 g^3 j^3 l + 3 a^3 b^4 c^3 f^3 g^3 h^3 l^3 + 3 a^3 b^4 c^3 e^3 g^3 h^3 m + 24 a^3 b^3 c^4 d^3 g^3 h^3 m - 12 a^3 b^3 c^4 f^3 g^3 h^3 k + 12 a^2 b^3 c^5 d^3 g^3 h^3 m - 9 a^3 b^4 c^3 d^3 e^3 j^3 m^3 + 6 a^3 b^3 c^4 e^3 g^3 h^3 l + 6 a^3 b^3 c^4 d^3 g^3 h^3 m + 36 a^3 c^5 d^3 e^2 f^3 g^3 k^2 - 36 a^2 c^6 d^2 e^3 f^3 g^3 k - 24 a^4 b^3 c^3 d^3 e^3 j^3 l^3 - 18 a^3 b^4 c^3 e^3 f^3 g^3 m^3 - 18 a^3 b^4 c^3 d^3 f^3 h^3 m^3 - 3 a^2 b^5 c^3 d^3 e^3 j^3 l^3 - 3 a^3 b^3 c^4 d^3 e^3 j^3 l - 24 a^4 b^3 c^3 e^3 f^3 g^3 l^3 + 24 a^3 b^3 c^4 d^3 f^3 h^3 l + 12 a^4 b^3 c^3 d^3 f^3 h^3 l^3 - 12 a^3 b^3 c^4 e^3 g^3 h^3 j - 12 a^3 b^3 c^4 e^3 f^3 h^3 k - 12 a^3 b^3 c^4 d^3 e^3 h^3 m - 12 a^3 b^2 c^5 d^3 e^3 j^3 k + 6 a^3 b^3 c^4 d^3 g^3 h^3 k - 3 a^2 b^5 c^3 e^3 f^3 g^3 l^3 - 3 a^2 b^5 c^3 d^3 f^3 h^3 l^3 - 3 a^3 b^3 c^4 e^3 g^3 h^3 j - 3 a^3 b^3 c^4 e^3 f^3 h^3 k - 3 a^3 b^3 c^4 e^3 f^3 g^3 l - 3 a^3 b^3 c^4 d^3 e^3 h^3 m + 24 a^3 b^2 c^5 d^3 e^3 h^3 l - 12 a^3 b^2 c^5 d^3 f^3 h^3 k - 3 a^3 b^2 c^5 d^3 g^3 h^3 j - 3 a^3 b^2 c^5 d^3 f^3 g^3 l - 3 a^3 b^2 c^5 d^3 e^3 g^3 m + 48 a^4 b^3 c^3 d^3 e^3 f^3 m^3 + 24 a^2 b^3 c^5 d^3 e^3 f^3 m + 21 a^2 b^5 c^3 d^3 e^3 f^3 m^3 - 12 a^2 b^3 c^5 e^3 f^3 g^3 j - 12 a^2 b^3 c^5 d^3 f^3 h^3 j - 9 a^3 b^3 c^4 d^3 e^3 f^3 m + 6 a^2 b^3 c^5 d^3 f^3 g^3 k + 12 a^3 b^2 c^5 d^3 e^3 f^3 l - 6 a^3 b^2 c^5 d^3 e^3 g^3 k + 3 a^3 b^2 c^5 d^3 e^3 h^3 j - 24 a^3 b^3 c^4 d^3 e^3 f^3 k^3 - 12 a^2 b^3 c^5 d^3 e^3 g^3 j - 3 a^3 b^5 c^2 d^3 e^3 f^3 k^3 + 3 a^3 b^2 c^5 e^3 f^3 g^3 h - 12 a^2 b^3 c^5 d^3 f^3 g^3 h + 9 a^3 b^2 c^5 d^3 e^3 f^3 j + 9 a^3 b^3 c^6 d^2 e^2 f^3 j + 3 a^3 b^4 c^3 d^3 e^3 f^3 j^3 + 9 a^3 b^3 c^6 d^2 e^2 g^3 h + 9 a^3 b^3 c^6 d^2 e^2 f^2 h - 3 a^3 b^3 c^4 d^3 e^3 f^3 h^3 - 18 a^3 b^3 c^6 d^2 e^2 f^3 g^2 + 9 a^3 b^3 c^6 d^2 e^2 f^2 g + 3 a^3 b^2 c^5 d^3 e^3 f^3 g^3 - 36 a^4 b^2 c^2 e^2 k^3 l^2 m - 9 a^4 b^2 c^2 g^2 j^2 k^3 m + 45 a^3 b^3 c^2 d^2 k^2 l^2 m + 36 a^4 b^2 c^2 e^2 j^3 l^2 m^2 + 9 a^4 b^2 c^2 g^2 j^3 k^2 l + 9 a^3 b^3 c^2 e^2 j^2 l^2 m + 9 a^4 b^2 c^2 g^2 h^3 k^2 m - 9 a^4 b^2 c^2 f^2 h^3 l^2 m - 9 a^3 b^3 c^2 f^2 j^2 k^3 l - 45 a^3 b^3 c^2 d^2 j^3 k^3 m^2 + 36 a^3 b^2 c^3 d^2 j^2 k^3 m + 18 a^4 b^2 c^2 f^2 h^3 k^3 m^2 + 18 a^4 b^2 c^2 f^2 g^3 l^3 m^2 - 9 a^4 b^2 c^2 g^2 h^3 k^3 l^2 - 9 a^4 b^2 c^2 f^2 h^2 k^2 m - 9 a^4 b^2 c^2 f^2 g^2 l^2 m - 9 a^4 b^2 c^2 e^2 j^2 k^2 l - 9 a^4 b^2 c^2 d^2 j^2 k^2 m - 9 a^3 b^3 c^2 e^2 j^3 k^3 l^2 - 9 a^2 b^4 c^2 d^2 j^2 k^3 m - 36 a^3 b^2 c^3 d^2 j^3 k^2 l - 27 a^3 b^2 c^3 e^2 h^2 k^3 m + 9 a^4 b^2 c^2 g^2 h^2 j^3 l^2 + 9 a^4 b^2 c^2 f^2 h^2 k^3 l^2 - 9 a^4 b^2 c^2 f^2 g^2 k^3 m^2 - 9 a^4 b^2 c^2 e^2 g^2 l^3 m^2 - 9 a^4 b^2 c^2 d^2 j^2 k^3 l^2 + 9 a^4 b^2 c^2 d^3 h^2 l^2 m - 9 a^3 b^3 c^2 e^2 g^3 l^2 m + 9 a^2 b^4 c^2 e^2 h^2 k^3 m + 9 a^2 b^4 c^2 d^2 j^3 k^2 l - 45 a^3 b^3 c^2 e^2 h^3 j^3 m^2 + 36 a^4 b^2 c^2 e^2 h^2 j^3 m^2 + 36 a^3 b^2 c^3 e^2 h^3 j^2 m - 36 a^3 b^2 c^3 d^2 h^3 k^2 m + 36 a^2 b^3 c^3 d^2 g^2 l^3 m - 9 a^4 b^2 c^2 f^2 h^3 j^2 l^2 - 9 a^4 b^2 c^2 d^3 h^2 k^3 m^2 + 9 a^3 b^3 c^2 f^2 h^3 j^3 l^2 + 9 a^3 b^3 c^2 e^2 f^3 l^3 m^2 + 9 a^3 b^3 c^2 e^2 h^2 j^2 m - 9 a^3 b^2 c^3 f^2 h^2 j^3 l - 9 a^2 b^4 c^2 e^2 h^3 j^2 m + 9 a^2 b^4 c^2 d^2 h^3 k^2 m + 36 a^3 b^2 c^3 d^2 h^3 k^3 l^2 - 27 a^4 b^2 c^2 e^2 g^3 j^2 m^2 - 27 a^4 b^2 c^2 d^3 h^3 j^2 m^2 - 9 a^4 b^2 c^2 d^3 h^3 k^2 l^2 - 9 a^3 b^3 c^2 e^2 f^2 k^3 m^2 - 9 a^3 b^3 c^2 d^3 f^2 l^3 m^2 + 9 a^3 b^2 c^3 f^2 h^3 j^2 k + 9 a^3 b^2 c^3 f^2 g^3 j^2 l - 9 a^3 b^2 c^3 e^2 g^3 k^2 l - 9 a^3 b^2 c^3 e^2 f^3 k^2 m - 9 a^3 b^2 c^3 d^2 f^3 l^2 m - 9 a^2 b^4 c^2
\end{aligned}$$

$$\begin{aligned}
& c^2d^2hk^2 + 9a^2b^3c^3d^2h^2k^2 - 81a^3b^2c^3d^2g^2jm^2 + 54a^2b^4c^2d^2g^2jm^2 - 45a^3b^3c^2d^2g^2jm^2 - 45a^2b^3c^3d^2g^2j^2m + 36a^3b^2c^3d^2f^2k^2m^2 + 36a^3b^2c^3d^2g^2j^2m + 18a^3b^2c^3e^2g^2j^2m^2 + 18a^3b^2c^3e^2f^2k^2m^2 + 18a^3b^2c^3d^2e^2m^2 - 9a^4b^2c^2d^2f^2k^2m^2 - 9a^3b^3c^2f^2g^2hm^2 - 9a^3b^3c^2d^2h^2j^2m^2 - 9a^3b^2c^3f^2g^2j^2k^2 - 9a^3b^2c^3d^2e^2m^2 - 9a^3b^2c^3f^2g^2h^2m - 9a^3b^2c^3e^2g^2j^2m - 9a^3b^2c^3e^2f^2k^2m - 9a^2b^4c^2d^2f^2k^2m^2 - 9a^2b^4c^2d^2g^2j^2m - 9a^2b^3c^3e^2h^2jk - 9a^2b^2c^4d^2f^2k^2m - 27a^2b^2c^4d^2g^2j^2m - 9a^3b^3c^2f^2g^2h^2l^2 + 9a^3b^2c^3e^2g^2j^2k^2 - 9a^3b^2c^3e^2f^2j^2l^2 - 9a^3b^2c^3d^2h^2j^2k - 9a^3b^2c^3d^2f^2k^2l^2 - 9a^3b^2c^3d^2e^2k^2m^2 - 9a^2b^3c^3e^2g^2h^2m - 9a^2b^3c^3d^2h^2jk^2 - 9a^2b^3c^3d^2f^2k^2l^2 - 9a^2b^3c^3d^2e^2k^2m + 36a^3b^3c^2d^2e^2j^2m^2 + 36a^3b^2c^3e^2f^2hm^2 - 27a^2b^2c^4d^2g^2hm^2 + 9a^3b^3c^2e^2f^2h^2m^2 + 9a^3b^2c^3f^2g^2hk^2 - 9a^2b^4c^2e^2f^2hm^2 + 9a^2b^3c^3d^2e^2k^2l^2 - 9a^2b^2c^4e^2f^2hm^2 - 45a^2b^3c^3d^2g^2gh^2l^2 - 36a^3b^2c^3e^2f^2gm^2 + 36a^3b^2c^3d^2g^2h^2l^2 - 36a^3b^2c^3d^2f^2hm^2 + 36a^2b^2c^4d^2g^2h^2l^2 - 9a^3b^2c^3e^2g^2hk^2 + 9a^2b^4c^2e^2f^2gm^2 - 9a^2b^4c^2d^2g^2h^2l^2 + 9a^2b^4c^2d^2f^2hm^2 + 9a^2b^3c^3e^2g^2hk^2 + 9a^2b^3c^3d^2g^2h^2l^2 - 9a^2b^3c^3d^2e^2j^2l^2 - 9a^2b^2c^4e^2g^2hk^2 - 9a^2b^2c^4e^2f^2gm^2 - 9a^2b^2c^4d^2f^2j^2k - 9a^2b^2c^4d^2f^2hm^2 - 9a^2b^2c^4d^2e^2j^2l - 45a^2b^3c^3d^2f^2gm^2 + 36a^3b^2c^3d^2f^2g^2m^2 - 27a^3b^2c^3d^2f^2h^2l^2 + 18a^2b^2c^4d^2e^2jk^2 + 9a^2b^4c^2d^2f^2h^2l^2 - 9a^2b^4c^2d^2f^2g^2m^2 - 9a^2b^3c^3e^2f^2g^2l^2 + 9a^2b^2c^4e^2g^2h^2j + 9a^2b^2c^4e^2f^2hk^2 - 9a^2b^2c^4e^2f^2g^2l^2 - 9a^2b^2c^4d^2f^2g^2m - 9a^2b^2c^4d^2e^2j^2k + 9a^2b^2c^4d^2e^2h^2m + 18a^4b^2c^2f^2j^2m^2 + 18a^3b^2c^3e^2h^2l^2 - 9a^2b^4c^2e^2h^2l^2 + 18a^2b^2c^4d^2g^2k^2 + 12a^6c^2j^3k^2l^2 + 3a^6b^2j^2k^2l^2m^3 - 12a^6c^2g^2k^3l^2m - 12a^5c^3g^3k^2l^2m - 24a^6c^2e^2k^2l^3m - 24a^4c^4e^3k^2l^2m + 12a^6c^2h^2jk^2l^3 + 12a^6c^2f^2j^2l^3m + 12a^5c^3h^3jk^2l - 3a^5b^3h^2jk^2m^3 - 3a^5b^3g^2j^2l^2m^3 - 3a^5b^3f^2k^2l^2m^3 + 12a^6c^2g^2h^2l^3m + 12a^5c^3g^2h^3l^2m - 12a^6c^2e^2jk^2m^3 - 12a^6c^2d^2j^2l^2m^3 - 12a^5c^3f^2j^2k^2l - 12a^5c^3e^2j^2k^2m - 12a^5c^3d^2j^2l^2m - 12a^4c^4f^3j^2k^2l + 24a^6c^2f^2hk^2m^3 + 24a^6c^2f^2g^2l^2m^3 + 24a^4c^4f^3hk^2m + 24a^4c^4f^3g^2l^2m - 12a^6c^2g^2h^2j^2m^3 - 12a^6c^2e^2h^2l^2m^3 - 12a^5c^3g^2h^2j^2m^3 + 3b^6c^2d^3jk^2l + 3a^4b^4e^2jk^2m^3 + 3a^4b^4d^2j^2l^2m^3 - 24a^5c^3d^2jk^2l^3 - 24a^3c^5d^3jk^2l - 6a^4b^4e^2h^2l^2m^3 + 3b^6c^2d^3hg^2l^2m + 3a^6b^2c^2j^2l^3m + 3a^4b^4g^2h^2j^2m^3 + 3a^4b^4f^2hk^2m^3 + 3a^4b^4f^2g^2l^2m^3 - 24a^5c^3d^2hk^2l^3m - 24a^3c^5d^3hk^2m + 12a^5c^3g^2h^2jk^2l + 12a^5c^3f^2g^2k^2l + 12a^5c^3e^2hk^2l^3 + 12a^5c^3e^2g^2k^2l^3m + 12a^4c^4g^3h^2jk + 12a^4c^4f^2g^3k^2l + 12a^4c^4f^2g^3j^2m + 12a^4c^4e^2g^3k^2m + 12a^4c^4d^2g^3l^2m + 12a^3c^5d^3g^2l^2m + 3a^6b^2c^2j^2k^2m^2 - 9a^6b^2c^2h^2l^2m^3 - 3a^5b^2c^2j^2k^2l + 24a^5c^3e^2g^2j^2l^3 + 24a^5c^3e^2f^2k^2l^3 + 24a^5c^3d^2e^2l^3m + 24a^3c^5e^2g^2j^2l + 24a^3c^5e^2f^2k^2l + 24a^3c^5d^2e^2l^2m - 12a^5c^3d^2h^2j^2l^3 - 12a^5c^3d^2g^2k^2l^3 - 12a^4c^4e^2h^3j^2k - 12a^4c^4d^2h^3j^2l - 12a^3c^5e^2h^2jk - 12a^3c^5e^2f^2j^2m + 9a^4b^2c^3g^4l^2m + 6b^5c^3d^3f^2j^2m + 6a^3b^5d^2g^2k^2m^3 - 3b^5c^3d^3h^2jk - 3b^5c^3d^3g^2j^2l - 3b^5c^3d^3f^2k^2l - 3b^5c^3d^3e^2k^2m - 3a^3b^5e^2g^2j^2m^3 - 3a^3b^5e^2f^2k^2m^3 - 3a^3b^5d^2h^2j^2m^3 - 3a^3b^5d^2f^2l^2m^3 - 12a^5c^3f^2g^2h^2l^3 - 12a^4c^4f^2g^2h^3l - 12a^4c^4e^2g^2h^3m - 12a^3c^5e^2g^2h^2m - 9a^6b^2c^2g^2k^2m^3 - 3b^5c^3d^3g^2h^2m + 3a^6b^2c^2f^2l^2m^2 - 3a^3b^5f^2g^2h^2m^3 + 12a^5c^3d^2e^2j^2m^3 + 12a^4c^4e^2f^2j^2k + 12a^4c^4d^2g^2j^2k + 12a^4c^4d^2f^2j^2l + 12a^4c^4d^2e^2j^2m + 12a^3c^5e^2f^2j^2k + 12a^3c^5d^2f^2j^2l - 9a^6b^2c^2e^2l^2m^3 - 24a^5c^3e^2f^2g^2m^3 - 24a^5c^3d^2f^2h^2m^3 - 24a^3c^5e^2f^2g^2m - 24a^3c^5d^2f^2h^2m - 15a^2b^2c^5d^4l^2m + 15a^2b^3c^4d^4l^2m + 12a^4c^4f^2g^2h^2j^2 + 12a^3c^5f^2g^2h^2j^2
\end{aligned}$$

$$\begin{aligned}
& g*h*j + 12*a^3*c^5*e*f^3*h*1 + 9*a^3*b*c^4*f^4*k*1 - 9*a^3*b*c^4*f^4*j*m + \\
& 3*b^4*c^4*d^3*e*j*k + 3*a^5*b^2*c*g*j*1^4 + 3*a^5*b^2*c*f*k*1^4 + 3*a^5*b^2 \\
& *c*d*1^4*m - 3*a^5*b*c^2*h*j*k^4 - 3*a^5*b*c^2*f*k^4*1 - 3*a^5*b*c^2*e*k^4* \\
& m - 3*a^4*b*c^3*h^4*j*k + 3*a^2*b^6*d*e*j*m^3 + 3*a*b^4*c^3*e^4*k*m + 24*a^ \\
& 4*c^4*d*e*j*k^3 + 24*a^2*c^6*d^3*e*j*k - 6*b^4*c^4*d^3*e*h*1 + 3*b^4*c^4*d^ \\
& 3*g*h*j + 3*b^4*c^4*d^3*f*h*k + 3*b^4*c^4*d^3*f*g*1 + 3*b^4*c^4*d^3*e*g*m - \\
& 3*a^4*b*c^3*g*h^4*m + 3*a^2*b^6*e*f*g*m^3 + 3*a^2*b^6*d*f*h*m^3 - 3*a*b^6* \\
& c*e^3*j*m^2 + 24*a^4*c^4*d*f*h*k^3 + 24*a^2*c^6*d^3*f*h*k - 12*a^4*c^4*e*f* \\
& g*k^3 - 12*a^3*c^5*e*f*g^3*k - 12*a^3*c^5*d*g^3*h*j - 12*a^3*c^5*d*f*g^3*1 \\
& - 12*a^3*c^5*d*e*g^3*m - 12*a^2*c^6*d^3*g*h*j - 12*a^2*c^6*d^3*f*g*1 - 12*a \\
& ^2*c^6*d^3*e*h*1 - 12*a^2*c^6*d^3*e*g*m - 12*a*b^2*c^5*d^4*j*1 + 9*a^5*b*c^ \\
& 2*d*j*1^4 + 9*a^2*b*c^5*e^4*j*k - 3*a^4*b^3*c*d*j*1^4 - 3*a^4*b*c^3*e*j^4*k \\
& - 3*a^4*b*c^3*d*j^4*1 - 3*a*b^3*c^4*e^4*j*k - 24*a^4*c^4*d*e*f*1^3 - 24*a^ \\
& 2*c^6*d*e^3*f*1 - 12*a^5*b^2*c*e*g*m^4 - 12*a^5*b^2*c*d*h*m^4 + 12*a^3*c^5* \\
& d*e*h^3*j + 12*a^2*c^6*d*e^3*h*j + 12*a^2*c^6*d*e^3*g*k - 12*a*b^2*c^5*d^4* \\
& h*m + 9*a^5*b*c^2*f*g*1^4 - 9*a^5*b*c^2*e*h*1^4 - 9*a^2*b*c^5*e^4*h*1 + 9*a \\
& ^2*b*c^5*e^4*g*m + 6*a^4*b^3*c*e*h*1^4 + 6*a*b^3*c^4*e^4*h*1 - 3*b^3*c^5*d^ \\
& 3*e*g*j - 3*b^3*c^5*d^3*e*f*k - 3*a^4*b^3*c*f*g*1^4 - 3*a^4*b*c^3*g*h*j^4 - \\
& 3*a^3*b*c^4*g^4*h*j - 3*a^3*b*c^4*f*g^4*1 - 3*a^3*b*c^4*e*g^4*m - 3*a*b^3* \\
& c^4*e^4*g*m + 12*a^3*c^5*e*f*g*h^3 + 12*a^2*c^6*e^3*f*g*h - 3*b^3*c^5*d^3*f \\
& *g*h - 12*a^3*c^5*d*e*f*j^3 - 12*a^2*c^6*d*e*f^3*j - 3*a*b^6*c*d^2*g*1^3 - \\
& 15*a^5*b*c^2*d*e*m^4 + 15*a^4*b^3*c*d*e*m^4 + 9*a^4*b*c^3*e*f*k^4 - 9*a^4*b \\
& *c^3*d*g*k^4 + 3*a^3*b^4*c*d*f*1^4 - 3*a^3*b*c^4*d*h^4*j - 3*a^2*b*c^5*e*f^ \\
& 4*k - 3*a^2*b*c^5*d*f^4*1 + 3*a*b^2*c^5*e^4*g*j + 3*a*b^2*c^5*e^4*f*k + 3*a \\
& *b^2*c^5*d*e^4*m - 9*a*b*c^6*d^3*e^2*1 + 3*b^2*c^6*d^3*e*f*g - 3*a^3*b*c^4* \\
& f*g*h^4 - 3*a^2*b*c^5*f^4*g*h + 12*a^2*c^6*d*e*f*g^3 - 9*a*b*c^6*d^3*f^2*j \\
& + 3*a*b*c^6*d^2*e^3*k + 9*a^3*b*c^4*d*e*j^4 - 3*a^2*b*c^5*e*f*g^4 - 9*a*b*c \\
& ^6*d^3*e*h^2 + 3*a*b*c^6*d^2*f^3*g + 3*a*b*c^6*d*e^3*g^2 - 3*a^4*b^2*c^2*h^ \\
& 3*j^2*m + 12*a^4*b^2*c^2*g^3*j*m^2 - 3*a^4*b^2*c^2*f^2*k^3*m + 3*a^3*b^3*c^ \\
& 2*g^3*j^2*m - 9*a^3*b^4*c*f^2*j^2*m^2 + 9*a^3*b^3*c^2*f^2*j^3*m - 6*a^3*b^3 \\
& *c^2*f^3*j*m^2 - 6*a^3*b^2*c^3*f^3*j^2*m - 3*a^2*b^4*c^2*f^3*j^2*m - 27*a^4 \\
& *b^2*c^2*d^2*k*m^3 - 27*a^3*b^2*c^3*e^3*j*m^2 + 18*a^2*b^4*c^2*e^3*j*m^2 - \\
& 15*a^2*b^3*c^3*e^3*j^2*m + 12*a^4*b^2*c^2*f^2*j*1^3 + 3*a^3*b^3*c^2*e^2*k^3 \\
& *1 + 42*a^2*b^3*c^3*d^3*j*m^2 - 27*a^2*b^2*c^4*d^3*j^2*m - 15*a^3*b^3*c^2*d \\
& ^2*k*1^3 - 3*a^4*b^2*c^2*f*j^2*k^3 - 3*a^4*b^2*c^2*f*h^3*m^2 + 3*a^3*b^3*c^ \\
& 2*g^3*h*1^2 + 3*a^3*b^3*c^2*f^2*j*k^3 - 3*a^3*b^2*c^3*g^3*h^2*1 - 3*a^3*b^2 \\
& *c^3*e^2*j^3*1 - 27*a^4*b^2*c^2*e^2*h*m^3 + 12*a^3*b^2*c^3*f^3*h*1^2 + 3*a^ \\
& 3*b^3*c^2*f*g^3*m^2 - 3*a^2*b^4*c^2*f^3*h*1^2 + 3*a^2*b^3*c^3*f^3*h^2*1 + 9 \\
& *a^3*b^3*c^2*e*h^3*1^2 + 9*a^2*b^3*c^3*e^2*h^3*1 - 6*a^4*b^2*c^2*e*h^2*1^3 \\
& - 6*a^3*b^3*c^2*e^2*h*1^3 - 6*a^2*b^3*c^3*e^3*h*1^2 - 6*a^2*b^2*c^4*e^3*h^2 \\
& *1 + 3*a^2*b^3*c^3*d^2*j^3*k + 42*a^3*b^3*c^2*d^2*g*m^3 - 27*a^4*b^2*c^2*d* \\
& g^2*m^3 - 27*a^2*b^2*c^4*d^3*h*1^2 - 15*a^2*b^3*c^3*e^3*f*m^2 + 12*a^3*b^2* \\
& c^3*e^2*h*k^3 + 3*a^3*b^3*c^2*e*h^2*k^3 - 3*a^3*b^2*c^3*e*g^3*1^2 - 3*a^2*b \\
& ^4*c^2*e^2*h*k^3 + 3*a^2*b^3*c^3*f^3*g*k^2 - 3*a^2*b^2*c^4*f^3*g^2*k - 27*a \\
& ^3*b^2*c^3*d^2*g*1^3 - 27*a^2*b^2*c^4*d^3*f*m^2 + 18*a^2*b^4*c^2*d^2*g*1^3 \\
& - 15*a^3*b^3*c^2*d*g^2*1^3 + 12*a^2*b^2*c^4*e^3*g*k^2 - 3*a^3*b^2*c^3*e*h^2 \\
& *j^3 + 3*a^2*b^3*c^3*e^2*h*j^3 + 3*a^2*b^3*c^3*e*f^3*1^2 - 3*a^2*b^2*c^4*d^ \\
& 2*h^3*k + 9*a^2*b^3*c^3*d*g^3*k^2 - 9*a*b^4*c^3*d^2*g^2*k^2 - 6*a^3*b^2*c^3 \\
& *d*g^2*k^3 - 6*a^2*b^3*c^3*d^2*g*k^3 - 3*a^2*b^4*c^2*d*g^2*k^3 + 12*a^2*b^2 \\
& *c^4*d^2*g*j^3 + 3*a^2*b^3*c^3*d*g^2*j^3 - 3*a^2*b^2*c^4*d*f^3*k^2 - 3*a^2* \\
& b^2*c^4*d*g^2*h^3 + 12*a^7*c*j*k*1*m^3 - 3*b^7*c*d^3*k*1*m - 3*a^6*b*c*k^4* \\
& 1*m - 3*a^6*b*c*j*k*1^4 - 3*a^6*b*c*g*1^4*m - 9*a^6*b*c*f*j*m^4 + 9*a^6*b*c \\
& *e*k*m^4 + 9*a^6*b*c*d*1*m^4 + 9*a^6*b*c*g*h*m^4 - 3*a*b^7*d*e*f*m^3 + 9*a* \\
& b*c^6*d^4*h*j - 9*a*b*c^6*d^4*g*k + 9*a*b*c^6*d^4*f*1 + 9*a*b*c^6*d^4*e*m + \\
& 12*a*c^7*d^3*e*f*g - 3*a*b*c^6*d*e^4*j - 3*a*b*c^6*e^4*f*g - 3*a*b*c^6*d*e \\
& *f^4 + 18*a^6*c^2*h^2*j*1*m^2 - 18*a^6*c^2*h*j^2*1^2*m + 18*a^6*c^2*f*k^2*1 \\
& ^2*m + 36*a^5*c^3*e^2*k*1^2*m + 18*a^6*c^2*g*j*k^2*m^2 + 18*a^6*c^2*e*k^2*1 \\
& *m^2 + 18*a^5*c^3*g^2*j^2*k*m + 18*a^6*c^2*e*j*1^2*m^2 + 18*a^6*c^2*d*k*1^2 \\
& *m^2 - 18*a^5*c^3*e^2*j*1*m^2 - 18*a^6*c^2*f*h*1^2*m^2 + 18*a^5*c^3*f^2*h*1
\end{aligned}$$

$$\begin{aligned}
&^2 * m - 36 * a^5 * c^3 * f^2 * h * k * m^2 - 36 * a^5 * c^3 * f^2 * g * l * m^2 + 18 * a^5 * c^3 * g^2 * h * k \\
&* l^2 - 18 * a^5 * c^3 * g * h^2 * k^2 * l + 18 * a^5 * c^3 * f * h^2 * k^2 * m + 18 * a^5 * c^3 * f * g^2 * l \\
&^2 * m + 18 * a^5 * c^3 * e * j^2 * k^2 * l + 18 * a^5 * c^3 * d * j^2 * k^2 * m - 18 * a^4 * c^4 * d^2 * j^2 \\
&* k * m + 36 * a^4 * c^4 * d^2 * j * k^2 * l + 18 * a^5 * c^3 * f * g^2 * k * m^2 + 18 * a^5 * c^3 * e * g^2 * l \\
&* m^2 + 18 * a^5 * c^3 * d * j^2 * k * l^2 - 18 * a^4 * c^4 * f^2 * g^2 * k * m + 36 * a^4 * c^4 * d^2 * h * k \\
&^2 * m + 18 * a^5 * c^3 * f * h * j^2 * l^2 - 18 * a^5 * c^3 * e * h^2 * j * m^2 + 18 * a^5 * c^3 * d * h^2 * k \\
&* m^2 + 18 * a^4 * c^4 * f^2 * h^2 * j * l - 18 * a^4 * c^4 * e^2 * h * j^2 * m - 18 * a^5 * c^3 * e * g * k^2 \\
&* l^2 + 18 * a^5 * c^3 * d * h * k^2 * l^2 + 18 * a^4 * c^4 * e^2 * g * k^2 * l + 18 * a^4 * c^4 * e^2 * f * k \\
&^2 * m - 18 * a^4 * c^4 * d^2 * h * k * l^2 + 18 * a^4 * c^4 * d^2 * f * l^2 * m - 36 * a^4 * c^4 * e^2 * g * j \\
&* l^2 - 36 * a^4 * c^4 * e^2 * f * k * l^2 - 36 * a^4 * c^4 * d * e^2 * l^2 * m + 18 * a^5 * c^3 * d * f * k^2 \\
&* m^2 + 18 * a^4 * c^4 * f^2 * g * j * k^2 + 18 * a^4 * c^4 * d^2 * g * j * m^2 - 18 * a^4 * c^4 * d^2 * f * k \\
&* m^2 + 18 * a^4 * c^4 * d^2 * e * l * m^2 - 18 * a^4 * c^4 * f * g^2 * j^2 * k + 18 * a^4 * c^4 * f * g^2 * h \\
&^2 * m + 18 * a^4 * c^4 * e * g^2 * j^2 * l + 18 * a^4 * c^4 * e * f^2 * k^2 * l - 18 * a^4 * c^4 * d * g^2 * j \\
&^2 * m - 18 * a^4 * c^4 * d * f^2 * k^2 * m + 18 * a^3 * c^5 * d^2 * f^2 * k * m + 3 * a^4 * b^2 * c^2 * h^4 * \\
&k * m - 3 * a^3 * b^3 * c^2 * g^4 * l * m + 18 * a^4 * c^4 * e * f^2 * j * l^2 + 18 * a^4 * c^4 * d * h^2 * j^2 \\
&* k + 18 * a^4 * c^4 * d * f^2 * k * l^2 + 18 * a^4 * c^4 * d * e^2 * k * m^2 - 18 * a^3 * c^5 * e^2 * f^2 * j \\
&* l + 12 * a^5 * b^2 * c * g^2 * k * m^3 - 9 * a^5 * b * c^2 * h^3 * j * m^2 - 9 * a^5 * b * c^2 * f^2 * l^3 * m \\
&+ 3 * a^5 * b * c^2 * h^2 * k^3 * l + 3 * a^4 * b^3 * c * h^3 * j * m^2 + 3 * a^4 * b^3 * c * f^2 * l^3 * m - \\
&18 * a^4 * c^4 * e^2 * f * h * m^2 + 18 * a^3 * c^5 * e^2 * f^2 * h * m + 15 * a^5 * b * c^2 * e^2 * l * m^3 - \\
&15 * a^4 * b^3 * c * e^2 * l * m^3 - 9 * a^5 * b * c^2 * g^2 * k * l^3 - 9 * a^4 * b * c^3 * g^3 * j^2 * m - 3 * \\
&a^5 * b^2 * c * g * k^2 * l^3 + 3 * a^5 * b * c^2 * h * j^3 * l^2 + 3 * a^4 * b^3 * c * g^2 * k * l^3 - 3 * a^3 \\
&* b^4 * c * g^3 * j * m^2 + 36 * a^4 * c^4 * e * f^2 * g * m^2 + 36 * a^4 * c^4 * d * f^2 * h * m^2 + 18 * a^4 \\
&* c^4 * e * g * h^2 * k^2 - 18 * a^4 * c^4 * d * g^2 * h * l^2 - 18 * a^4 * c^4 * d * f * j^2 * k^2 + 18 * a^3 \\
&* c^5 * e^2 * g^2 * h * k + 18 * a^3 * c^5 * e^2 * f * g^2 * m - 18 * a^3 * c^5 * d^2 * g * h^2 * l + 18 * a^3 \\
&* c^5 * d^2 * f * j^2 * k + 18 * a^3 * c^5 * d^2 * f * h^2 * m + 18 * a^3 * c^5 * d^2 * e * j^2 * l - 12 * a^2 \\
&* b^2 * c^4 * e^4 * k * m + 9 * a^4 * b^3 * c * f * j^3 * m^2 - 9 * a^4 * b^2 * c^2 * f * j^4 * m - 6 * a^5 * b^2 \\
&* c * f * j^2 * m^3 + 6 * a^5 * b * c^2 * f^2 * j * m^3 - 6 * a^5 * b * c^2 * f * j^3 * m^2 - 6 * a^4 * b^3 * c \\
&* f^2 * j * m^3 + 6 * a^4 * b * c^3 * f^3 * j * m^2 - 6 * a^4 * b * c^3 * f^2 * j^3 * m + 6 * a^2 * b^3 * c^3 * \\
&f^4 * j * m + 3 * a^3 * b^2 * c^3 * g^4 * j * l + 3 * a^2 * b^5 * c * f^3 * j * m^2 - 3 * a^2 * b^3 * c^3 * f^4 \\
&* k * l - 36 * a^3 * c^5 * d^2 * e * j * k^2 - 18 * a^4 * c^4 * d * f * g^2 * m^2 + 18 * a^3 * c^5 * e * f^2 * g \\
&^2 * l + 18 * a^3 * c^5 * d * f^2 * g^2 * m + 18 * a^3 * c^5 * d * e^2 * j^2 * k + 18 * a^3 * b^4 * c * d^2 * k \\
&* m^3 + 15 * a^3 * b * c^4 * e^3 * j^2 * m + 12 * a^5 * b^2 * c * d * k^2 * m^3 - 9 * a^5 * b * c^2 * f * j^2 * \\
&l^3 - 9 * a^4 * b * c^3 * e^2 * k^3 * l + 3 * a^5 * b * c^2 * e * k^3 * l^2 + 3 * a^4 * b^3 * c * f * j^2 * l^3 \\
&+ 3 * a^4 * b * c^3 * g^2 * j^3 * k - 3 * a^3 * b^4 * c * f^2 * j * l^3 + 3 * a^3 * b^2 * c^3 * g^4 * h * m + \\
&3 * a * b^5 * c^2 * e^3 * j^2 * m - 36 * a^3 * c^5 * d^2 * f * h * k^2 - 21 * a^3 * b * c^4 * d^3 * j * m^2 - 2 \\
&1 * a * b^5 * c^2 * d^3 * j * m^2 + 18 * a^3 * c^5 * e^2 * f * h * j^2 - 18 * a^3 * c^5 * e * f^2 * h^2 * j + 1 \\
&8 * a^3 * c^5 * d * f^2 * h^2 * k + 18 * a * b^4 * c^3 * d^3 * j^2 * m + 15 * a^4 * b * c^3 * d^2 * k * l^3 - 9 \\
&* a^5 * b * c^2 * d * k^2 * l^3 - 9 * a^4 * b * c^3 * g^3 * h * l^2 - 9 * a^4 * b * c^3 * f^2 * j * k^3 + 3 * a^4 \\
&* b^3 * c * d * k^2 * l^3 + 3 * a^2 * b^5 * c * d^2 * k * l^3 - 18 * a^3 * c^5 * d^2 * e * g * l^2 + 18 * a^3 \\
&* c^5 * d * e^2 * h * k^2 + 18 * a^3 * b^4 * c * e^2 * h * m^3 - 18 * a^2 * c^6 * d^2 * e^2 * h * k + 18 * a^2 \\
&* c^6 * d^2 * e^2 * g * l + 18 * a^2 * c^6 * d^2 * e^2 * f * m + 15 * a^5 * b * c^2 * e * h^2 * m^3 - 15 * a^4 \\
&* b^3 * c * e * h^2 * m^3 - 9 * a^4 * b * c^3 * f * g^3 * m^2 - 9 * a^3 * b * c^4 * f^3 * h^2 * l + 3 * a^4 * b^2 \\
&* c^2 * e * j * k^4 + 3 * a^4 * b * c^3 * g * h^3 * k^2 + 3 * a^3 * b * c^4 * f^2 * g^3 * m + 36 * a^3 * c^5 * \\
&d * e^2 * f * l^2 + 18 * a^3 * c^5 * d * f * g^2 * j^2 + 18 * a^2 * c^6 * d^2 * f^2 * g * j + 18 * a^2 * c^6 * \\
&d^2 * e * f^2 * l - 9 * a^3 * b^2 * c^3 * e * h^4 * l - 9 * a^3 * b * c^4 * d^2 * j^3 * k + 6 * a^4 * b * c^3 * e \\
&^2 * h * l^3 - 6 * a^4 * b * c^3 * e * h^3 * l^2 + 6 * a^3 * b * c^4 * e^3 * h * l^2 - 6 * a^3 * b * c^4 * e^2 * \\
&h^3 * l + 3 * a^4 * b^2 * c^2 * f * h * k^4 + 3 * a^4 * b * c^3 * d * j^3 * k^2 - 3 * a^3 * b^4 * c * e * h^2 * l \\
&^3 + 3 * a^2 * b^5 * c * e^2 * h * l^3 + 3 * a^2 * b^2 * c^4 * f^4 * h * k + 3 * a^2 * b^2 * c^4 * f^4 * g * l \\
&+ 3 * a * b^5 * c^2 * e^3 * h * l^2 - 3 * a * b^4 * c^3 * e^3 * h^2 * l - 21 * a^4 * b * c^3 * d^2 * g * m^3 - \\
&21 * a^2 * b^5 * c * d^2 * g * m^3 + 18 * a^3 * b^4 * c * d * g^2 * m^3 + 18 * a^2 * c^6 * d * e^2 * f^2 * k + \\
&18 * a * b^4 * c^3 * d^3 * h * l^2 + 15 * a^3 * b * c^4 * e^3 * f * m^2 + 15 * a^2 * b * c^5 * d^3 * h^2 * l - \\
&15 * a * b^3 * c^4 * d^3 * h^2 * l - 9 * a^4 * b * c^3 * e * h^2 * k^3 - 9 * a^3 * b * c^4 * f^3 * g * k^2 - 9 * \\
&a^2 * b * c^5 * e^3 * f^2 * m + 3 * a^3 * b * c^4 * f^2 * h^3 * j + 3 * a * b^5 * c^2 * e^3 * f * m^2 + 3 * a * b \\
&^3 * c^4 * e^3 * f^2 * m + 18 * a * b^4 * c^3 * d^3 * f * m^2 + 15 * a^4 * b * c^3 * d * g^2 * l^3 + 12 * a * b \\
&^2 * c^5 * d^3 * f^2 * m - 9 * a^3 * b * c^4 * e^2 * h * j^3 - 9 * a^3 * b * c^4 * e * f^3 * l^2 - 9 * a^2 * b * \\
&c^5 * e^3 * g^2 * k + 3 * a^3 * b * c^4 * f * g^3 * j^2 + 3 * a^2 * b^5 * c * d * g^2 * l^3 + 3 * a^2 * b * c^5 * \\
&e^2 * f^3 * l - 3 * a * b^4 * c^3 * e^3 * g * k^2 + 3 * a * b^3 * c^4 * e^3 * g^2 * k + 18 * a^2 * c^6 * d^2 \\
&* e * g * h^2 - 18 * a^2 * c^6 * d * e^2 * g^2 * h - 12 * a^4 * b^2 * c^2 * d * f * l^4 - 9 * a^2 * b^2 * c^4 * \\
&d * g^4 * k + 9 * a * b^3 * c^4 * d^2 * g^3 * k + 6 * a^3 * b^3 * c^2 * d * g * k^4 + 6 * a^3 * b * c^4 * d^2 * g
\end{aligned}$$

$$\begin{aligned}
& *k^3 - 6*a^3*b*c^4*d*g^3*k^2 + 6*a^2*b*c^5*d^3*g*k^2 - 6*a^2*b*c^5*d^2*g^3* \\
& k - 6*a*b^3*c^4*d^3*g*k^2 - 6*a*b^2*c^5*d^3*g^2*k - 3*a^3*b^3*c^2*e*f*k^4 + \\
& 3*a^3*b^2*c^3*e*g*j^4 + 3*a^3*b^2*c^3*d*h*j^4 + 3*a*b^5*c^2*d^2*g*k^3 + 15 \\
& *a^2*b*c^5*d^3*e*1^2 - 15*a*b^3*c^4*d^3*e*1^2 - 9*a^3*b*c^4*d*g^2*j^3 - 9*a \\
& ^2*b*c^5*e^3*f*j^2 - 3*a*b^4*c^3*d^2*g*j^3 + 3*a*b^3*c^4*e^3*f*j^2 - 3*a*b^ \\
& 2*c^5*e^3*f^2*j + 12*a*b^2*c^5*d^3*f*j^2 - 9*a^2*b*c^5*d*e^3*k^2 + 3*a^2*b* \\
& c^5*e^2*g^3*h + 3*a*b^3*c^4*d*e^3*k^2 - 9*a^2*b*c^5*d^2*g*h^3 - 3*a^2*b^3*c \\
& ^3*d*e*j^4 + 3*a^2*b*c^5*e*f^3*h^2 + 3*a*b^3*c^4*d^2*g*h^3 + 3*a^2*b^2*c^4* \\
& d*f*h^4 - 9*a^7*c*k^2*1^2*m^2 - 6*a^6*c^2*j^2*k^3*m - 3*a^6*b^2*h*1^2*m^3 + \\
& 3*a^5*b^3*h^2*1*m^3 - 6*a^6*c^2*g^2*k*m^3 - 6*a^6*c^2*h*k^3*1^2 + 6*a^5*c^ \\
& 3*h^3*j^2*m + 6*a^6*c^2*g*k^2*1^3 - 6*a^6*c^2*f*k^3*m^2 - 6*a^5*c^3*h^2*j^3 \\
& *1 - 6*a^5*c^3*g^3*j*m^2 + 6*a^5*c^3*f^2*k^3*m + 3*a^5*b^3*g*k^2*m^3 - 3*a^ \\
& 4*b^4*g^2*k*m^3 + 12*a^6*c^2*f*j^2*m^3 + 12*a^4*c^4*f^3*j^2*m + 3*a^5*b^3*e \\
& *1^2*m^3 + 3*a^3*b^5*e^2*1*m^3 - 6*a^6*c^2*d*k^2*m^3 - 6*a^5*c^3*f^2*j*1^3 \\
& + 6*a^5*c^3*d^2*k*m^3 - 6*a^5*c^3*g*j^3*k^2 + 6*a^4*c^4*e^3*j*m^2 - 3*b^6*c \\
& ^2*d^3*j^2*m - 3*a^4*b^4*f*j^2*m^3 + 3*a^3*b^5*f^2*j*m^3 + 6*a^5*c^3*f*j^2* \\
& k^3 + 6*a^5*c^3*f*h^3*m^2 - 6*a^5*c^3*e*j^3*1^2 + 6*a^4*c^4*g^3*h^2*1 - 6*a \\
& ^4*c^4*f^2*h^3*m + 6*a^4*c^4*e^2*j^3*1 + 6*a^3*c^5*d^3*j^2*m - 3*a^4*b^4*d* \\
& k^2*m^3 - 3*a^2*b^6*d^2*k*m^3 + 6*a^5*c^3*e^2*h*m^3 - 6*a^4*c^4*g^2*h^3*k - \\
& 6*a^4*c^4*f^3*h*1^2 + 12*a^5*c^3*e*h^2*1^3 + 12*a^3*c^5*e^3*h^2*1 - 3*b^6*c \\
& ^2*d^3*h*1^2 + 3*b^5*c^3*d^3*h^2*1 - 3*a^5*b^2*c*j^4*m^2 + 3*a^3*b^5*e*h^2 \\
& *m^3 - 3*a^2*b^6*e^2*h*m^3 + 6*a^5*c^3*d*g^2*m^3 - 6*a^4*c^4*e^2*h*k^3 - 6* \\
& a^4*c^4*f*h^3*j^2 + 6*a^4*c^4*e*g^3*1^2 + 6*a^3*c^5*f^3*g^2*k - 6*a^3*c^5*e \\
& ^2*g^3*1 + 6*a^3*c^5*d^3*h*1^2 - 3*b^6*c^2*d^3*f*m^2 - 3*b^4*c^4*d^3*f^2*m \\
& + 6*a^4*c^4*d^2*g*1^3 + 6*a^4*c^4*e*h^2*j^3 - 6*a^4*c^4*d*h^3*k^2 - 6*a^3*c \\
& ^5*f^2*g^3*j - 6*a^3*c^5*e^3*g*k^2 + 6*a^3*c^5*d^3*f*m^2 + 6*a^3*c^5*d^2*h^ \\
& 3*k - 6*a^2*c^6*d^3*f^2*m + 4*a^5*b^2*c*h^3*m^3 + 3*b^5*c^3*d^3*g*k^2 - 3*b \\
& ^4*c^4*d^3*g^2*k - 3*a^2*b^6*d*g^2*m^3 + a^5*b*c^2*j^3*k^3 + 12*a^4*c^4*d*g \\
& ^2*k^3 + 12*a^2*c^6*d^3*g^2*k + 6*a^5*b*c^2*h^3*1^3 + 5*a^5*b*c^2*g^3*m^3 - \\
& 5*a^4*b^3*c*g^3*m^3 + 3*b^5*c^3*d^3*e*1^2 + 3*b^3*c^5*d^3*e^2*1 - 3*a^5*b^ \\
& 2*c*h^2*1^4 + a^4*b^3*c*h^3*1^3 + 12*a^5*b^2*c*f^2*m^4 - 6*a^3*c^5*d^2*g*j^ \\
& 3 + 6*a^3*c^5*d*f^3*k^2 + 6*a^3*b^4*c*f^3*m^3 + 6*a^2*c^6*e^3*f^2*j - 6*a^2 \\
& *c^6*d^2*f^3*k - 3*b^4*c^4*d^3*f*j^2 + 3*b^3*c^5*d^3*f^2*j - 3*a^2*b^2*c^4* \\
& f^5*m - 7*a^4*b*c^3*e^3*m^3 - 7*a^2*b^5*c*e^3*m^3 + 6*a^4*b*c^3*g^3*k^3 - 6 \\
& *a^3*c^5*e*g^3*h^2 - 6*a^2*c^6*d^3*f*j^2 + 5*a^4*b*c^3*f^3*1^3 + a^4*b*c^3* \\
& h^3*j^3 + a^2*b^5*c*f^3*1^3 + 6*a^3*c^5*d*g^2*h^3 - 6*a^2*c^6*e^2*f^3*h - 3 \\
& *a^3*b^4*c*e^2*1^4 - 3*a*b^4*c^3*e^4*1^2 - 7*a^3*b*c^4*d^3*1^3 - 7*a*b^5*c^ \\
& 2*d^3*1^3 + 6*a^3*b*c^4*f^3*j^3 + 5*a^3*b*c^4*e^3*k^3 + 3*b^3*c^5*d^3*e*h^2 \\
& - 3*b^2*c^6*d^3*e^2*h + a*b^5*c^2*e^3*k^3 + 12*a*b^2*c^5*d^4*k^2 - 6*a^2*c \\
& ^6*d*f^3*g^2 + 6*a*b^4*c^3*d^3*k^3 - 3*a^4*b^2*c^2*d*k^5 + a^3*b*c^4*g^3*h^ \\
& 3 + 5*a^2*b*c^5*d^3*j^3 - 5*a*b^3*c^4*d^3*j^3 - 9*a*c^7*d^2*e^2*f^2 + 6*a^2 \\
& *b*c^5*e^3*h^3 - 3*a*b^2*c^5*e^4*h^2 + a^2*b*c^5*f^3*g^3 + a*b^3*c^4*e^3*h^ \\
& 3 + 4*a*b^2*c^5*d^3*h^3 - 3*a*b^2*c^5*d^2*g^4 - 6*a^7*c*j*1^3*m^2 + 6*a^7*c \\
& *h*1^2*m^3 + 6*a^6*c^2*j*k^4*1 + 6*a^6*c^2*h*k^4*m - 6*a^5*c^3*h^4*k*m + 3* \\
& a^6*b^2*h*k*m^4 + 3*a^6*b^2*g*1*m^4 - 3*b^5*c^3*d^4*1*m - 6*a^6*c^2*g*j*1^4 \\
& - 6*a^6*c^2*f*k*1^4 - 6*a^6*c^2*d*1^4*m + 6*a^5*c^3*h*j^4*k + 6*a^5*c^3*g* \\
& j^4*1 + 6*a^5*c^3*f*j^4*m - 6*a^4*c^4*g^4*j*1 + 6*a^3*c^5*e^4*k*m + 6*a^5*b \\
& ^3*f*j*m^4 - 6*a^4*c^4*g^4*h*m + 3*b^7*c*d^3*j*m^2 - 3*a^5*b^3*e*k*m^4 - 3* \\
& a^5*b^3*d*1*m^4 + 3*b^4*c^4*d^4*j*1 - 3*a^5*b^3*g*h*m^4 - 6*a^5*c^3*e*j*k^4 \\
& + 6*a^2*c^6*d^4*j*1 + 3*b^4*c^4*d^4*h*m + 6*a^6*c^2*e*g*m^4 + 6*a^6*c^2*d* \\
& h*m^4 + 6*a^6*b*c*j^3*m^3 - 6*a^5*c^3*f*h*k^4 + 6*a^4*c^4*g*h^4*j + 6*a^4*c \\
& ^4*f*h^4*k + 6*a^4*c^4*e*h^4*1 + 6*a^4*c^4*d*h^4*m - 6*a^3*c^5*f^4*h*k - 6* \\
& a^3*c^5*f^4*g*1 + 6*a^2*c^6*d^4*h*m + 3*a^5*b*c^2*j^5*m + a^6*b*c*k^3*1^3 + \\
& 3*a^4*b^4*e*g*m^4 + 3*a^4*b^4*d*h*m^4 + 6*b^3*c^5*d^4*g*k - 3*b^3*c^5*d^4* \\
& h*j - 3*b^3*c^5*d^4*f*1 - 3*b^3*c^5*d^4*e*m + 3*a*b^7*d^2*g*m^3 + 6*a^5*c^3 \\
& *d*f*1^4 - 6*a^4*c^4*e*g*j^4 - 6*a^4*c^4*d*h*j^4 + 6*a^3*c^5*e*g^4*j + 6*a^ \\
& 3*c^5*d*g^4*k - 6*a^2*c^6*e^4*g*j - 6*a^2*c^6*e^4*f*k - 6*a^2*c^6*d*e^4*m + \\
& 3*a^4*b*c^3*h^5*1 + 6*a^3*c^5*f*g^4*h - 3*a^3*b^5*d*e*m^4 + 3*b^2*c^6*d^4* \\
& e*j + 3*a^5*b*c^2*g*k^5 + 3*a^3*b*c^4*g^5*k + 8*a*b^6*c*d^3*m^3 + 3*b^2*c^6
\end{aligned}$$

$$\begin{aligned}
& *d^4*f*h - 3*a^5*b^2*c*e*l^5 - 3*a*b^2*c^5*e^5*l - 6*a^3*c^5*d*f*h^4 + 6*a^2*c^6*e*f^4*g + 6*a^2*c^6*d*f^4*h + 3*a^4*b*c^3*f*j^5 + 3*a^2*b*c^5*f^5*j + \\
& 6*a*c^7*d^3*e^2*h - 6*a*c^7*d^2*e^3*g + 3*a^3*b*c^4*e*h^5 + 6*a*b*c^6*d^3*g^3 + 3*a^2*b*c^5*d*g^5 + a*b*c^6*e^3*f^3 - 9*a^6*c^2*j^2*k^2*l^2 - 9*a^6*c^2*h^2*k^2*m^2 - 9*a^6*c^2*g^2*l^2*m^2 - 18*a^5*c^3*f^2*j^2*m^2 - 9*a^5*c^3*h^2*j^2*k^2 - 9*a^5*c^3*g^2*j^2*l^2 - 9*a^5*c^3*f^2*k^2*l^2 - 9*a^5*c^3*e^2*k^2*m^2 - 9*a^5*c^3*d^2*l^2*m^2 - 9*a^5*c^3*g^2*h^2*m^2 - 9*a^4*c^4*e^2*j^2*k^2 - 9*a^4*c^4*d^2*j^2*l^2 - 18*a^4*c^4*e^2*h^2*l^2 - 9*a^4*c^4*g^2*h^2*j^2 - 9*a^4*c^4*f^2*h^2*k^2 - 9*a^4*c^4*f^2*g^2*l^2 - 9*a^4*c^4*e^2*g^2*m^2 - 9*a^4*c^4*d^2*h^2*m^2 - 18*a^3*c^5*d^2*g^2*k^2 - 9*a^3*c^5*e^2*g^2*j^2 - 9*a^3*c^5*e^2*f^2*k^2 - 9*a^3*c^5*d^2*h^2*j^2 - 9*a^3*c^5*d^2*f^2*l^2 - 9*a^3*c^5*d^2*e^2*m^2 - 3*a^4*b^2*c^2*h^4*l^2 - 18*a^4*b^2*c^2*f^3*m^3 + 12*a^3*b^2*c^3*f^4*m^2 - 9*a^3*c^5*f^2*g^2*h^2 + 4*a^4*b^2*c^2*g^3*l^3 - 3*a^2*b^4*c^2*f^4*m^2 + 14*a^3*b^3*c^2*e^3*m^3 - 5*a^3*b^3*c^2*f^3*l^3 - 3*a^4*b^2*c^2*g^2*k^4 - 3*a^3*b^2*c^3*g^4*k^2 + a^3*b^3*c^2*g^3*k^3 - 20*a^2*b^4*c^2*d^3*m^3 - 18*a^3*b^2*c^3*e^3*l^3 + 16*a^3*b^2*c^3*d^3*m^3 + 12*a^4*b^2*c^2*e^2*l^4 + 12*a^2*b^2*c^4*e^4*l^2 - 9*a^2*c^6*d^2*e^2*j^2 + 6*a^2*b^4*c^2*e^3*l^3 + 4*a^3*b^2*c^3*f^3*k^3 + 14*a^2*b^3*c^3*d^3*l^3 - 9*a^2*c^6*e^2*f^2*g^2 - 9*a^2*c^6*d^2*f^2*h^2 - 5*a^2*b^3*c^3*e^3*k^3 - 3*a^3*b^2*c^3*f^2*j^4 - 3*a^2*b^2*c^4*f^4*j^2 + a^2*b^3*c^3*f^3*j^3 - 18*a^2*b^2*c^4*d^3*k^3 + 12*a^3*b^2*c^3*d^2*k^4 + 4*a^2*b^2*c^4*e^3*j^3 - 3*a^2*b^4*c^2*d^2*k^4 - 3*a^2*b^2*c^4*e^2*h^4 + 6*a^7*c*k*k^1^4*m - 3*a^7*b*k*k^1*m^4 - 6*a^7*c*h*k*k^1*m^4 - 6*a^7*c*g*l^1*m^4 + 3*a^6*b*c*h^1^5 - 6*a*c^7*d^4*e*j - 6*a*c^7*d^4*f*h - 3*b*c^7*d^4*e*f + 6*a*c^7*d^4*e^4*f + 3*a*b*c^6*e^5*h - a^5*b^2*c*j^3*l^3 - a^3*b^4*c*g^3*l^3 - a*b^4*c^3*e^3*j^3 - a*b^2*c^5*e^3*g^3 + 3*a^7*b*j*m^5 + 6*a^7*c*f*m^5 + 6*a*c^7*d^5*k + 3*b*c^7*d^5*g - 3*a^6*c^2*j^4*m^2 - 3*a^6*b^2*j^2*m^4 + 2*a^6*c^2*j^3*l^3 + a^5*b^3*j^3*m^3 - 2*a^6*c^2*h^3*m^3 - 3*a^6*c^2*h^2*l^4 - 3*a^5*c^3*h^4*l^2 - a*b^6*c*e^3*l^3 + 20*a^5*c^3*f^3*m^3 - 15*a^6*c^2*f^2*m^4 - 15*a^4*c^4*f^4*m^2 + 2*a^5*c^3*h^3*k^3 - 2*a^5*c^3*g^3*l^3 + a^3*b^5*g^3*m^3 - 3*a^5*c^3*g^2*k^4 - 3*a^4*c^4*g^4*k^2 - 3*a^4*b^4*f^2*m^4 + 20*a^4*c^4*e^3*l^3 - 15*a^5*c^3*e^2*l^4 - 15*a^3*c^5*e^4*l^2 + 2*a^4*c^4*g^3*j^3 - 2*a^4*c^4*f^3*k^3 - 2*a^4*c^4*d^3*m^3 - 3*b^4*c^4*d^4*k^2 - 3*a^4*c^4*f^2*j^4 - 3*a^3*c^5*f^4*j^2 + 20*a^3*c^5*d^3*k^3 - 15*a^4*c^4*d^2*k^4 - 15*a^2*c^6*d^4*k^2 - 2*a^3*c^5*e^3*j^3 + b^5*c^3*d^3*j^3 + 2*a^3*c^5*f^3*h^3 - 3*a^3*c^5*e^2*h^4 - 3*a^2*c^6*e^4*h^2 - 3*b^2*c^6*d^4*g^2 + 2*a^2*c^6*e^3*g^3 - 2*a^2*c^6*d^3*h^3 + b^3*c^5*d^3*g^3 - 3*a^2*c^6*d^2*g^4 - a^4*b^2*c^2*h^3*k^3 - a^3*b^2*c^3*g^3*j^3 - a^2*b^4*c^2*f^3*k^3 - a^2*b^2*c^4*f^3*h^3 + 2*a^7*c*k^3*m^3 + a^7*b^1^3*m^3 - 3*a^7*c*j^2*m^4 + 6*a^3*c^5*f^5*m - 3*a^6*b^2*f^5*m + 6*a^6*c^2*e^1^5 + 6*a^2*c^6*e^5*l + b^7*c*d^3*l^3 + a*b^7*e^3*m^3 - 3*b^2*c^6*d^5*k + 6*a^5*c^3*d*k^5 - 3*a*c^7*d^4*g^2 + 2*a*c^7*d^3*f^3 + b*c^7*d^3*e^3 - a^6*b^2*k^3*m^3 - a^4*b^4*h^3*m^3 - a^2*b^6*f^3*m^3 - b^6*c^2*d^3*k^3 - b^4*c^4*d^3*h^3 - b^2*c^6*d^3*f^3 - b^8*d^3*m^3 - a^6*c^2*k^6 - a^5*c^3*j^6 - a^4*c^4*h^6 - a^3*c^5*g^6 - a^2*c^6*f^6 - a^7*c^1^6 - a*c^7*e^6 - a^8*m^6 - c^8*d^6, z, k1)*(root(34992*a^4*b^2*c^8*z^6 - 8748*a^3*b^4*c^7*z^6 + 729*a^2*b^6*c^6*z^6 - 46656*a^5*c^9*z^6 + 34992*a^4*b^3*c^6*m*z^5 - 8748*a^3*b^5*c^5*m*z^5 + 729*a^2*b^7*c^4*m*z^5 - 34992*a^4*b^2*c^7*j*z^5 + 8748*a^3*b^4*c^6*j*z^5 - 729*a^2*b^6*c^5*j*z^5 - 46656*a^5*b*c^7*m*z^5 + 46656*a^5*c^8*j*z^5 + 34992*a^5*b*c^6*j*m*z^4 - 11664*a^5*b*c^6*k^1*z^4 + 3888*a^4*b*c^7*f*j*z^4 + 3888*a^4*b*c^7*e*k*z^4 + 3888*a^4*b*c^7*d^1*z^4 + 3888*a^4*b*c^7*g*h*z^4 + 3888*a^3*b*c^8*d*e*z^4 + 243*a*b^5*c^6*d*e*z^4 - 25272*a^4*b^3*c^5*j*m*z^4 + 9720*a^4*b^3*c^5*k^1*z^4 + 6075*a^3*b^5*c^4*j*m*z^4 - 2673*a^3*b^5*c^4*k^1*z^4 - 486*a^2*b^7*c^3*j*m*z^4 + 243*a^2*b^7*c^3*k^1*z^4 - 7776*a^4*b^2*c^6*h*k*z^4 - 7776*a^4*b^2*c^6*g^1*z^4 - 7776*a^4*b^2*c^6*f*m*z^4 + 2430*a^3*b^4*c^5*h*k*z^4 + 2430*a^3*b^4*c^5*g^1*z^4 + 2430*a^3*b^4*c^5*f*m*z^4 - 243*a^2*b^6*c^4*h*k*z^4 - 243*a^2*b^6*c^4*g^1*z^4 - 243*a^2*b^6*c^4*f*m*z^4 - 1944*a^3*b^3*c^6*f*j*z^4 - 1944*a^3*b^3*c^6*e*k*z^4 - 1944*a^3*b^3*c^6*d^1*z^4 + 243*a^2*b^5*c^5*f*j*z^4 + 243*a^2*b^5*c^5*e*k*z^4 + 243*a^2*b^5*c^5*d^1*z^4 - 1944*a^3*b^3*c^6*g*h*z^4 + 243*a^2*b^5*c^5*g*h*z^4 + 3888*a^3*b^2*c^7*e*g*z^4 + 3888*a^3*b^2*c^7*
\end{aligned}$$

$$\begin{aligned}
& d*hz^4 - 486*a^2*b^4*c^6*eg*z^4 - 486*a^2*b^4*c^6*d*hz^4 - 1944*a^2*b^3*c^7*d*ez^4 + 7776*a^5*c^7*h*k*z^4 + 7776*a^5*c^7*g*l*z^4 + 7776*a^5*c^7*f*m*z^4 - 7776*a^4*c^8*eg*z^4 - 7776*a^4*c^8*d*hz^4 - 13608*a^5*b^2*c^5*m^2*z^4 + 11421*a^4*b^4*c^4*m^2*z^4 - 2916*a^3*b^6*c^3*m^2*z^4 + 243*a^2*b^8*c^2*m^2*z^4 + 13608*a^4*b^2*c^6*j^2*z^4 - 3159*a^3*b^4*c^5*j^2*z^4 + 243*a^2*b^6*c^4*j^2*z^4 + 1944*a^3*b^2*c^7*f^2*z^4 - 243*a^2*b^4*c^6*f^2*z^4 - 3888*a^6*c^6*m^2*z^4 - 19440*a^5*c^7*j^2*z^4 - 3888*a^4*c^8*f^2*z^4 + 3078*a^4*b^4*c^3*k*l*m*z^3 - 2592*a^5*b^2*c^4*k*l*m*z^3 - 891*a^3*b^6*c^2*k*l*m*z^3 - 4536*a^4*b^3*c^4*j*k*l*z^3 + 1053*a^3*b^5*c^3*j*k*l*z^3 - 81*a^2*b^7*c^2*j*k*l*z^3 - 2592*a^4*b^3*c^4*h*k*m*z^3 - 2592*a^4*b^3*c^4*g*l*m*z^3 + 810*a^3*b^5*c^3*h*k*m*z^3 + 810*a^3*b^5*c^3*g*l*m*z^3 - 81*a^2*b^7*c^2*h*k*m*z^3 - 81*a^2*b^7*c^2*g*l*m*z^3 + 7776*a^4*b^2*c^5*f*j*m*z^3 + 3888*a^4*b^2*c^5*h*j*k*z^3 + 3888*a^4*b^2*c^5*g*j*l*z^3 - 3888*a^4*b^2*c^5*f*k*l*z^3 - 2916*a^3*b^4*c^4*f*j*m*z^3 + 1458*a^3*b^4*c^4*f*k*l*z^3 - 972*a^3*b^4*c^4*h*j*k*z^3 - 972*a^3*b^4*c^4*g*j*l*z^3 - 486*a^3*b^4*c^4*e*k*m*z^3 - 486*a^3*b^4*c^4*d*l*m*z^3 + 324*a^2*b^6*c^3*f*j*m*z^3 - 162*a^2*b^6*c^3*f*k*l*z^3 + 81*a^2*b^6*c^3*h*j*k*z^3 + 81*a^2*b^6*c^3*g*j*l*z^3 + 81*a^2*b^6*c^3*e*k*m*z^3 + 81*a^2*b^6*c^3*d*l*m*z^3 - 486*a^3*b^4*c^4*g*h*m*z^3 + 81*a^2*b^6*c^3*g*h*m*z^3 + 648*a^3*b^3*c^5*e*j*k*z^3 + 648*a^3*b^3*c^5*d*j*l*z^3 - 81*a^2*b^5*c^4*e*j*k*z^3 - 81*a^2*b^5*c^4*d*j*l*z^3 + 2592*a^3*b^3*c^5*eg*m*z^3 + 2592*a^3*b^3*c^5*d*h*m*z^3 - 1296*a^3*b^3*c^5*f*h*k*z^3 - 1296*a^3*b^3*c^5*f*g*l*z^3 - 1296*a^3*b^3*c^5*e*h*l*z^3 + 648*a^3*b^3*c^5*g*h*j*z^3 - 324*a^2*b^5*c^4*eg*m*z^3 - 324*a^2*b^5*c^4*d*h*m*z^3 + 162*a^2*b^5*c^4*f*h*k*z^3 + 162*a^2*b^5*c^4*f*g*l*z^3 + 162*a^2*b^5*c^4*e*h*l*z^3 - 81*a^2*b^5*c^4*g*h*j*z^3 + 5184*a^3*b^2*c^6*d*em*z^3 - 2592*a^3*b^2*c^6*eg*j*z^3 - 2592*a^3*b^2*c^6*d*h*j*z^3 - 2106*a^2*b^4*c^5*d*em*z^3 + 1296*a^3*b^2*c^6*ef*k*z^3 + 1296*a^3*b^2*c^6*d*g*k*z^3 + 1296*a^3*b^2*c^6*d*f*l*z^3 + 324*a^2*b^4*c^5*eg*j*z^3 + 324*a^2*b^4*c^5*d*h*j*z^3 - 162*a^2*b^4*c^5*ef*k*z^3 - 162*a^2*b^4*c^5*d*g*k*z^3 - 162*a^2*b^4*c^5*d*f*l*z^3 + 1296*a^3*b^2*c^6*f*g*h*z^3 - 162*a^2*b^4*c^5*f*g*h*z^3 + 1944*a^2*b^3*c^6*d*ej*z^3 - 1296*a^2*b^2*c^7*d*ef*z^3 + 81*a^2*b^8*c*k*l*m*z^3 + 6480*a^5*b*c^5*j*k*l*z^3 + 2592*a^5*b*c^5*h*k*m*z^3 + 2592*a^5*b*c^5*g*l*m*z^3 - 1296*a^4*b*c^6*ej*k*z^3 - 1296*a^4*b*c^6*d*j*l*z^3 - 5184*a^4*b*c^6*eg*m*z^3 - 5184*a^4*b*c^6*d*h*m*z^3 + 2592*a^4*b*c^6*f*h*k*z^3 + 2592*a^4*b*c^6*f*g*l*z^3 + 2592*a^4*b*c^6*e*h*l*z^3 - 1296*a^4*b*c^6*g*h*j*z^3 + 243*a*b^6*c^4*d*em*z^3 - 3888*a^3*b*c^7*d*ej*z^3 - 243*a*b^5*c^5*d*ej*z^3 + 162*a*b^4*c^6*d*ef*z^3 - 2592*a^6*c^5*k*l*m*z^3 - 5184*a^5*c^6*h*j*k*z^3 - 5184*a^5*c^6*g*j*l*z^3 - 5184*a^5*c^6*f*j*m*z^3 + 2592*a^5*c^6*f*k*l*z^3 + 2592*a^5*c^6*e*k*m*z^3 + 2592*a^5*c^6*d*l*m*z^3 + 2592*a^5*c^6*g*h*m*z^3 + 5184*a^4*c^7*eg*j*z^3 + 5184*a^4*c^7*d*h*j*z^3 - 2592*a^4*c^7*ef*k*z^3 - 2592*a^4*c^7*d*g*k*z^3 - 2592*a^4*c^7*d*f*l*z^3 - 2592*a^4*c^7*d*em*z^3 - 2592*a^4*c^7*f*g*h*z^3 + 2592*a^3*c^8*d*ef*z^3 + 6480*a^5*b^2*c^4*j*m^2*z^3 + 6480*a^4*b^3*c^4*j^2*m*z^3 - 5022*a^4*b^4*c^3*j*m^2*z^3 - 1296*a^3*b^5*c^3*j^2*m*z^3 + 1134*a^3*b^6*c^2*j*m^2*z^3 + 81*a^2*b^7*c^2*j^2*m*z^3 + 2592*a^4*b^3*c^4*h*l^2*z^3 - 1944*a^4*b^2*c^5*h^2*l*z^3 - 810*a^3*b^5*c^3*h*l^2*z^3 + 729*a^3*b^4*c^4*h^2*l*z^3 + 81*a^2*b^7*c^2*h*l^2*z^3 - 81*a^2*b^6*c^3*h^2*l*z^3 - 5184*a^4*b^3*c^4*f*m^2*z^3 + 1620*a^3*b^5*c^3*f*m^2*z^3 + 1296*a^3*b^3*c^5*f^2*m*z^3 - 162*a^2*b^7*c^2*f*m^2*z^3 - 162*a^2*b^5*c^4*f^2*m*z^3 - 1944*a^4*b^2*c^5*g*k^2*z^3 + 729*a^3*b^4*c^4*g*k^2*z^3 - 648*a^3*b^3*c^5*g^2*k*z^3 - 81*a^2*b^6*c^3*g*k^2*z^3 + 81*a^2*b^5*c^4*g^2*k*z^3 - 1944*a^4*b^2*c^5*e*l^2*z^3 + 729*a^3*b^4*c^4*e*l^2*z^3 + 648*a^3*b^2*c^6*e^2*l*z^3 - 81*a^2*b^6*c^3*e*l^2*z^3 - 81*a^2*b^4*c^5*e^2*l*z^3 + 1296*a^3*b^3*c^5*f*j^2*z^3 - 1296*a^3*b^2*c^6*f^2*j*z^3 - 162*a^2*b^5*c^4*f*j^2*z^3 + 162*a^2*b^4*c^5*f^2*j*z^3 - 648*a^3*b^3*c^5*d*k^2*z^3 + 81*a^2*b^5*c^4*d*k^2*z^3 + 648*a^3*b^2*c^6*e*h^2*z^3 - 81*a^2*b^4*c^5*e*h^2*z^3 - 648*a^2*b^2*c^7*d^2*g*z^3 - 10368*a^5*b*c^5*j^2*m*z^3 - 81*a^2*b^8*c*j*m^2*z^3 - 2592*a^5*b*c^5*h*l^2*z^3 + 5184*a^5*b*c^5*f*m^2*z^3 - 2592*a^4*b*c^6*f^2*m*z^3 + 1296*a^4*b*c^6*g^2*k*z^3 - 2592*a^4*b*c^6*f*j^2*z^3 + 1296*a^4*b*c^6*d*k^2*z^3 + 81*a*b^4*c^6*d^2*g*z^3 + 2592*a^6*c^5*j*m^2*z^3 + 1296*a^5*c^6*h^2*l*z^3 + 1296*a^5*c^6*g*k^2*z^3 + 1
\end{aligned}$$

$$\begin{aligned}
& 296a^5c^6e^1z^3 - 1296a^4c^7e^2z^3 + 2592a^4c^7f^2jz^3 - 2 \\
& 592a^6b^3c^4m^3z^3 - 324a^3b^7c^3m^3z^3 - 27a^2b^8c^3l^3z^3 - 1296 \\
& a^4c^7e^h^2z^3 - 864a^5b^3c^5k^3z^3 + 1296a^3c^8d^2gz^3 + 432a \\
& ^4b^3c^6h^3z^3 + 27a^2b^4c^6e^3z^3 - 432a^2b^3c^8d^3z^3 + 216a^2b^3 \\
& c^7d^3z^3 + 1134a^4b^5c^2m^3z^3 - 432a^5b^3c^3m^3z^3 + 1512a^ \\
& 5b^2c^4l^3z^3 - 1107a^4b^4c^3l^3z^3 + 297a^3b^6c^2l^3z^3 + 86 \\
& 4a^4b^3c^4k^3z^3 - 270a^3b^5c^3k^3z^3 + 27a^2b^7c^2k^3z^3 - \\
& 2592a^4b^2c^5j^3z^3 + 486a^3b^4c^4j^3z^3 - 27a^2b^6c^3j^3z^3 \\
& - 216a^3b^3c^5h^3z^3 + 27a^2b^5c^4h^3z^3 + 216a^3b^2c^6g^3z \\
& ^3 - 27a^2b^4c^5g^3z^3 - 216a^2b^2c^7e^3z^3 - 432a^6c^5l^3z^3 \\
& + 27a^2b^9m^3z^3 + 4320a^5c^6j^3z^3 - 432a^4c^7g^3z^3 + 432a^ \\
& 3c^8e^3z^3 - 27b^5c^6d^3z^3 + 81a^3b^6c^3j^3k^3l^3m^3z^2 - 1296a^5b^3 \\
& c^4h^3j^3k^3m^3z^2 - 1296a^5b^3c^4g^3j^3l^3m^3z^2 + 1296a^5b^3c^4f^3k^3l^3m^3z^2 - \\
& 81a^2b^7c^3f^3k^3l^3m^3z^2 + 2592a^4b^3c^5e^3g^3j^3m^3z^2 + 2592a^4b^3c^5d^3h \\
& ^3j^3m^3z^2 - 1296a^4b^3c^5f^3h^3j^3k^3z^2 - 1296a^4b^3c^5f^3g^3j^3l^3z^2 - 1296a \\
& ^4b^3c^5e^3f^3k^3m^3z^2 - 1296a^4b^3c^5d^3f^3l^3m^3z^2 - 648a^4b^3c^5e^3h^3j^3l^3z \\
& ^2 - 648a^4b^3c^5e^3g^3k^3l^3z^2 - 648a^4b^3c^5d^3h^3k^3l^3z^2 - 648a^4b^3c^5 \\
& d^3g^3k^3m^3z^2 - 1296a^4b^3c^5f^3g^3h^3m^3z^2 - 162a^2b^6c^3d^3e^3j^3m^3z^2 + 81a \\
& ^2b^6c^3d^3e^3k^3l^3z^2 + 1296a^3b^3c^6d^3e^3f^3m^3z^2 - 648a^3b^3c^6d^3f^3g^3k^3z \\
& ^2 - 648a^3b^3c^6d^3e^3h^3k^3z^2 - 648a^3b^3c^6d^3e^3g^3l^3z^2 - 81a^2b^5c^4d \\
& ^3e^3h^3k^3z^2 - 81a^2b^5c^4d^3e^3g^3l^3z^2 + 81a^2b^5c^4d^3e^3f^3m^3z^2 - 81a^2b^4 \\
& c^5d^3e^3f^3j^3z^2 + 81a^2b^4c^5d^3e^3g^3h^3z^2 + 648a^5b^2c^3j^3k^3l^3m^3z^2 - \\
& 567a^4b^4c^2j^3k^3l^3m^3z^2 - 1944a^4b^3c^3f^3k^3l^3m^3z^2 + 729a^3b^5c \\
& ^2f^3k^3l^3m^3z^2 + 648a^4b^3c^3h^3j^3k^3m^3z^2 + 648a^4b^3c^3g^3j^3l^3m^3z^2 \\
& - 81a^3b^5c^2h^3j^3k^3m^3z^2 - 81a^3b^5c^2g^3j^3l^3m^3z^2 + 1944a^4b^2c^4 \\
& f^3j^3k^3l^3z^2 - 729a^3b^4c^3f^3j^3k^3l^3z^2 + 648a^4b^2c^4e^3j^3k^3m^3z^2 + \\
& 648a^4b^2c^4d^3j^3l^3m^3z^2 - 81a^3b^4c^3e^3j^3k^3m^3z^2 - 81a^3b^4c^3d \\
& ^3j^3l^3m^3z^2 + 81a^2b^6c^2f^3j^3k^3l^3z^2 + 1296a^4b^2c^4f^3h^3k^3m^3z^2 + 1 \\
& 296a^4b^2c^4f^3g^3l^3m^3z^2 + 648a^4b^2c^4g^3h^3j^3m^3z^2 - 648a^3b^4c^3 \\
& f^3h^3k^3m^3z^2 - 648a^3b^4c^3f^3g^3l^3m^3z^2 - 324a^4b^2c^4g^3h^3k^3l^3z^2 - \\
& 324a^4b^2c^4e^3h^3l^3m^3z^2 + 81a^3b^4c^3g^3h^3k^3l^3z^2 - 81a^3b^4c^3g \\
& ^3h^3j^3m^3z^2 + 81a^2b^6c^2f^3h^3k^3m^3z^2 + 81a^2b^6c^2f^3g^3l^3m^3z^2 - 1296 \\
& a^3b^3c^4e^3g^3j^3m^3z^2 - 1296a^3b^3c^4d^3h^3j^3m^3z^2 + 648a^3b^3c^4f \\
& ^3h^3j^3k^3z^2 + 648a^3b^3c^4f^3g^3j^3l^3z^2 + 648a^3b^3c^4e^3f^3k^3m^3z^2 + 64 \\
& 8a^3b^3c^4d^3f^3l^3m^3z^2 + 486a^3b^3c^4e^3g^3k^3l^3z^2 + 486a^3b^3c^4d \\
& ^3h^3k^3l^3z^2 + 162a^3b^3c^4e^3h^3j^3l^3z^2 + 162a^3b^3c^4d^3g^3k^3m^3z^2 + 16 \\
& 2a^2b^5c^3e^3g^3j^3m^3z^2 + 162a^2b^5c^3d^3h^3j^3m^3z^2 - 81a^2b^5c^3f^3 \\
& h^3j^3k^3z^2 - 81a^2b^5c^3f^3g^3j^3l^3z^2 - 81a^2b^5c^3e^3g^3k^3l^3z^2 - 81a^ \\
& 2b^5c^3e^3f^3k^3m^3z^2 - 81a^2b^5c^3d^3h^3k^3l^3z^2 - 81a^2b^5c^3d^3f^3l^3m \\
& ^3z^2 + 648a^3b^3c^4f^3g^3h^3m^3z^2 - 81a^2b^5c^3f^3g^3h^3m^3z^2 - 3240a^3b \\
& ^2c^5d^3e^3j^3m^3z^2 + 1620a^3b^2c^5d^3e^3k^3l^3z^2 + 1377a^2b^4c^4d^3e^3j \\
& ^3m^3z^2 - 648a^3b^2c^5e^3f^3j^3k^3z^2 - 648a^3b^2c^5d^3f^3j^3l^3z^2 - 648a^ \\
& 2b^4c^4d^3e^3k^3l^3z^2 - 324a^3b^2c^5d^3g^3j^3k^3z^2 + 81a^2b^4c^4e^3f^3j \\
& ^3k^3z^2 + 81a^2b^4c^4d^3f^3j^3l^3z^2 + 972a^3b^2c^5e^3f^3h^3l^3z^2 - 648a^3b \\
& ^2c^5f^3g^3h^3j^3z^2 - 324a^3b^2c^5e^3g^3h^3k^3z^2 - 324a^3b^2c^5d^3g^3h^3l \\
& ^3z^2 - 162a^2b^4c^4e^3f^3h^3l^3z^2 + 81a^2b^4c^4f^3g^3h^3j^3z^2 + 81a^2b^4 \\
& c^4e^3g^3h^3k^3z^2 + 81a^2b^4c^4d^3g^3h^3l^3z^2 - 648a^2b^3c^5d^3e^3f^3m^3z^ \\
& 2 + 486a^2b^3c^5d^3e^3h^3k^3z^2 + 486a^2b^3c^5d^3e^3g^3l^3z^2 + 162a^2b^3 \\
& c^5d^3f^3g^3k^3z^2 + 648a^2b^2c^6d^3e^3f^3j^3z^2 - 324a^2b^2c^6d^3e^3g^3h^3z^ \\
& 2 - 1296a^6b^3c^3k^3l^3m^2z^2 - 81a^4b^5c^3k^3l^3m^2z^2 - 1296a^5b^3c^4 \\
& j^2k^3l^3z^2 - 324a^5b^3c^4h^2l^3m^3z^2 + 324a^5b^3c^4h^2k^2l^3z^2 - 324a \\
& ^5b^3c^4g^3k^2m^3z^2 + 972a^5b^3c^4h^2j^3l^2z^2 + 324a^5b^3c^4g^3k^3l^2z^ \\
& 2 - 324a^5b^3c^4e^3l^2m^3z^2 - 324a^4b^3c^5e^2l^3m^3z^2 - 1944a^5b^3c^4 \\
& f^3j^3m^2z^2 + 1296a^5b^3c^4e^3k^3m^2z^2 + 1296a^5b^3c^4d^3l^3m^2z^2 + 648 \\
& a^4b^3c^5f^2j^3m^3z^2 + 81a^2b^7c^3f^3j^3m^2z^2 + 1296a^5b^3c^4g^3h^3m^2 \\
& z^2 - 324a^4b^3c^5g^2j^3k^3z^2 + 324a^4b^3c^5g^2h^3l^3z^2 + 972a^4b^3c^5 \\
& f^3h^2l^3z^2 + 324a^4b^3c^5g^3h^2k^3z^2 - 324a^4b^3c^5e^3h^2m^3z^2 - 324a \\
& ^4b^3c^5d^3j^3k^2z^2 - 324a^3b^3c^6d^2j^3k^3z^2 + 972a^4b^3c^5f^3g^3k^2z \\
& ^2 + 972a^3b^3c^6d^2g^3m^3z^2 + 324a^4b^3c^5e^3h^3k^2z^2 + 324a^3b^3c^6
\end{aligned}$$

$$\begin{aligned}
& 2 + 540a^5b^2c^3f^3m^3z^2 - 324a^3b^2c^5f^3m^3z^2 + 54a^2b^4c^4f^3m^3z^2 + 675a^4b^3c^3f^3l^3z^2 - 243a^3b^5c^2f^3l^3z^2 - 189a^2b^3c^5e^3m^3z^2 + 27a^3b^3c^4h^3j^3z^2 - 486a^4b^2c^4f^3k^3z^2 - \\
& 486a^2b^2c^6d^3m^3z^2 + 216a^3b^4c^3f^3k^3z^2 - 54a^3b^2c^5g^3j^3z^2 - 27a^2b^6c^2f^3k^3z^2 - 270a^3b^3c^4f^3j^3z^2 - 54a^2b^3c^5f^3j^3z^2 + 27a^2b^5c^3f^3j^3z^2 + 162a^2b^2c^6e^3j^3z^2 + 162a^3b^2c^5f^3h^3z^2 - 27a^2b^4c^4f^3h^3z^2 + 27a^2b^3c^5f^3g^3z^2 \\
& + 81ab^2c^7d^2e^2z^2 - 648a^6c^4h^3l^2m^3z^2 + 648a^5c^5g^2k^3m^3z^2 - 648a^5c^5h^2j^3l^2z^2 + 1296a^5c^5h^2j^2k^3z^2 + 1296a^5c^5g^2j^2k^3z^2 + 1296a^5c^5f^3j^2m^3z^2 - 648a^5c^5g^2j^2k^3z^2 + 648a^5c^5e^3k^2l^2z^2 + 648a^5c^5d^2k^2m^3z^2 - 648a^4c^6d^2k^3m^3z^2 - 648a^5c^5e^3j^2l^2z^2 + 648a^5c^5d^2k^2l^2z^2 + 648a^4c^6e^2j^3l^2z^2 + 324a^6b^3c^3l^3m^3z^2 + 27a^4b^5c^3l^3m^3z^2 + 648a^5c^5f^3h^3l^2z^2 - 648a^4c^6e^2h^3m^3z^2 + 1512a^5b^3c^4j^3m^3z^2 + 1080a^6b^3c^3j^3m^3z^2 - 162a^4b^5c^3j^3m^3z^2 - 648a^4c^6f^3g^2k^3z^2 + 648a^4c^6e^3g^2l^3z^2 - 648a^4c^6d^2g^2m^3z^2 - 27a^3b^6c^3j^3l^3z^2 + 648a^4c^6e^3h^2j^3z^2 + 648a^4c^6d^2h^2k^3z^2 + 324a^5b^3c^4j^3k^3z^2 - 1296a^4c^6e^3g^2j^2z^2 - 1296a^4c^6d^2h^2j^2z^2 - 108a^4b^3c^5g^3m^3z^2 - 648a^4c^6d^2f^3k^2z^2 - 648a^3c^7d^2g^3j^3z^2 + 648a^3c^7d^2f^3k^3z^2 + 648a^3c^7d^2e^3l^3z^2 + 270a^3b^6c^3f^3m^3z^2 + 648a^3c^7d^2e^2k^3z^2 - 540a^5b^3c^4f^3l^3z^2 + 324a^3b^3c^6e^3m^3z^2 - 108a^4b^3c^5h^3j^3z^2 + 27a^2b^7c^3f^3l^3z^2 + 27a^2b^5c^4e^3m^3z^2 + 648a^3c^7e^2f^3h^3z^2 + 216a^2b^4c^5d^3m^3z^2 + 648a^4b^3c^5f^3j^3z^2 + 216a^3b^3c^6f^3j^3z^2 + 648a^3c^7d^2f^3g^2z^2 - 27a^2b^4c^5e^3j^3z^2 + 324a^2b^3c^7d^3j^3z^2 - 189a^2b^3c^6d^3j^3z^2 - 108a^3b^3c^6f^3g^3z^2 - 108a^2b^3c^7e^3f^3z^2 + 27a^2b^3c^6e^3f^3z^2 + 162a^2b^2c^7d^3f^3z^2 - 1134a^5b^2c^3j^2m^2z^2 + 648a^4b^4c^2j^2m^2z^2 + 81a^5b^2c^3k^2l^2z^2 + 162a^4b^2c^4f^2m^2z^2 + 81a^4b^2c^4h^2k^2z^2 + 81a^4b^2c^4g^2l^2z^2 + 162a^3b^2c^5f^2j^2z^2 + 81a^3b^2c^5e^2k^2z^2 + 81a^3b^2c^5d^2l^2z^2 + 81a^3b^2c^5g^2h^2z^2 + 81a^2b^2c^6e^2g^2z^2 + 81a^2b^2c^6d^2h^2z^2 - 216a^6c^4k^3m^3z^2 + 216a^6c^4j^3l^3z^2 + 27a^3b^7j^3m^3z^2 + 216a^5c^5h^3m^3z^2 + 432a^6c^4f^3m^3z^2 + 432a^4c^6f^3m^3z^2 - 27b^6c^4d^3m^3z^2 - 27a^2b^8f^3m^3z^2 + 216a^5c^5f^3k^3z^2 + 216a^4c^6g^3j^3z^2 + 216a^3c^7d^3m^3z^2 + 216a^5b^4c^3m^4z^2 - 216a^3c^7e^3j^3z^2 + 27b^5c^5d^3j^3z^2 - 216a^4c^6f^3h^3z^2 - 27b^4c^6d^3f^3z^2 - 216a^2c^8d^3f^3z^2 - 648a^6c^4j^2m^2z^2 - 324a^6c^4k^2l^2z^2 - 648a^5c^5f^2m^2z^2 - 324a^5c^5h^2k^2z^2 - 324a^5c^5g^2l^2z^2 - 648a^4c^6f^2j^2z^2 - 324a^4c^6e^2k^2z^2 - 324a^4c^6d^2l^2z^2 - 405a^6b^2c^2m^4z^2 - 324a^4c^6g^2h^2z^2 - 324a^3c^7e^2g^2z^2 - 324a^3c^7d^2h^2z^2 + 243a^4b^2c^4j^4z^2 - 27a^3b^4c^3j^4z^2 - 324a^2c^8d^2e^2z^2 + 27a^2b^2c^6f^4z^2 - 108a^7c^3m^4z^2 - 27a^4b^6m^4z^2 - 540a^5c^5j^4z^2 - 108a^3c^7f^4z^2 - 216a^5b^3c^3f^3j^3k^3l^3m^3z - 54a^3b^5c^3f^3j^3k^3l^3m^3z + 27a^3b^5c^3g^3h^3k^3l^3m^3z - 27a^2b^6c^3e^3g^3k^3l^3m^3z - 27a^2b^6c^3d^3h^3k^3l^3m^3z + 432a^4b^3c^4d^3g^3j^3k^3m^3z - 432a^4b^3c^4d^3e^3k^3l^3m^3z + 216a^4b^3c^4e^3g^3j^3k^3l^3m^3z + 216a^4b^3c^4e^3f^3j^3k^3m^3z + 216a^4b^3c^4d^3h^3j^3k^3l^3m^3z + 216a^4b^3c^4d^3f^3j^3l^3m^3z + 216a^4b^3c^4f^3g^3h^3j^3m^3z - 27a^2b^6c^2d^3e^3j^3k^3l^3m^3z - 27a^2b^6c^2d^3e^3h^3k^3m^3z - 27a^2b^6c^2d^3e^3g^3l^3m^3z + 216a^3b^3c^5d^3e^3h^3j^3k^3z + 216a^3b^3c^5d^3e^3g^3j^3l^3z - 216a^3b^3c^5d^3e^3f^3j^3m^3z + 27a^2b^5c^3d^3e^3h^3j^3k^3z + 27a^2b^5c^3d^3e^3g^3j^3l^3z + 27a^2b^5c^3d^3e^3g^3h^3m^3z - 27a^2b^4c^4d^3e^3g^3h^3j^3z + 27a^2b^7c^3d^3e^3k^3l^3m^3z + 270a^4b^3c^2f^3j^3k^3l^3m^3z - 108a^4b^3c^2g^3h^3k^3l^3m^3z - 216a^4b^2c^3f^3h^3j^3k^3m^3z - 216a^4b^2c^3f^3g^3j^3l^3m^3z - 216a^4b^2c^3e^3g^3k^3l^3m^3z - 216a^4b^2c^3d^3h^3k^3l^3m^3z + 162a^3b^4c^2e^3g^3k^3l^3m^3z + 162a^3b^4c^2d^3h^3k^3l^3m^3z + 108a^4b^2c^3g^3h^3j^3k^3l^3z + 108a^4b^2c^3e^3h^3j^3l^3m^3z + 54a^3b^4c^2f^3h^3j^3k^3m^3z + 54a^3b^4c^2f^3g^3j^3l^3m^3z - 27a^3b^4c^2g^3h^3j^3k^3l^3z + 540a^3b^3c^3d^3e^3k^3l^3m^3z - 216a^2b^5c^2d^3e^3k^3l^3m^3z - 162a^3b^3c^3e^3g^3j^3k^3l^3z - 162a^3b^3c^3d^3h^3j^3k^3l^3z - 108a^3b^3c^3d^3g^3j^3k^3m^3z - 54a^3b^3c^3e^3f^3j^3k^3m^3z - 54a^3b^3c^3d^3f^3j^3l^3m^3z + 27a^2b^
\end{aligned}$$

$$\begin{aligned}
& 5*c^2*e*g*j*k*1*z + 27*a^2*b^5*c^2*d*h*j*k*1*z - 108*a^3*b^3*c^3*e*g*h*k*m* \\
& z - 108*a^3*b^3*c^3*d*g*h*1*m*z - 54*a^3*b^3*c^3*f*g*h*j*m*z + 27*a^2*b^5*c \\
& ^2*e*g*h*k*m*z + 27*a^2*b^5*c^2*d*g*h*1*m*z - 540*a^3*b^2*c^4*d*e*j*k*1*z + \\
& 216*a^2*b^4*c^3*d*e*j*k*1*z - 216*a^3*b^2*c^4*d*e*h*k*m*z - 216*a^3*b^2*c^ \\
& 4*d*e*g*1*m*z + 162*a^2*b^4*c^3*d*e*h*k*m*z + 162*a^2*b^4*c^3*d*e*g*1*m*z + \\
& 108*a^3*b^2*c^4*e*g*h*j*k*z - 108*a^3*b^2*c^4*e*f*h*j*1*z + 108*a^3*b^2*c^ \\
& 4*d*g*h*j*1*z + 108*a^3*b^2*c^4*d*f*g*k*m*z - 27*a^2*b^4*c^3*e*g*h*j*k*z - \\
& 27*a^2*b^4*c^3*d*g*h*j*1*z - 162*a^2*b^3*c^4*d*e*h*j*k*z - 162*a^2*b^3*c^4* \\
& d*e*g*j*1*z + 54*a^2*b^3*c^4*d*e*f*j*m*z - 108*a^2*b^3*c^4*d*e*g*h*m*z + 10 \\
& 8*a^2*b^2*c^5*d*e*g*h*j*z + 324*a^6*b*c^2*j*k*1*m^2*z - 81*a^5*b^3*c*j*k*1* \\
& m^2*z + 27*a^4*b^4*c*j^2*k*1*m*z - 27*a^4*b^4*c*h*k^2*1*m*z - 27*a^4*b^4*c* \\
& g*k*1^2*m*z + 216*a^5*b*c^3*h*j^2*k*m*z + 216*a^5*b*c^3*g*j^2*1*m*z + 54*a^ \\
& 4*b^4*c*f*k*1*m^2*z + 27*a^4*b^4*c*h*j*k*m^2*z + 27*a^4*b^4*c*g*j*1*m^2*z + \\
& 27*a^2*b^6*c*f^2*k*1*m*z + 216*a^5*b*c^3*e*k^2*1*m*z - 108*a^5*b*c^3*h*j*k \\
& ^2*1*z + 27*a^3*b^5*c*e*k^2*1*m*z + 216*a^5*b*c^3*d*k*1^2*m*z + 216*a^4*b*c \\
& ^4*e^2*j*1*m*z - 108*a^5*b*c^3*g*j*k*1^2*z + 27*a^3*b^5*c*d*k*1^2*m*z - 324 \\
& *a^5*b*c^3*e*j*k*m^2*z - 324*a^5*b*c^3*d*j*1*m^2*z - 216*a^5*b*c^3*f*h*1^2* \\
& m*z - 108*a^4*b*c^4*f^2*j*k*1*z - 27*a^3*b^5*c*e*j*k*m^2*z - 27*a^3*b^5*c*d \\
& *j*1*m^2*z - 324*a^5*b*c^3*g*h*j*m^2*z + 216*a^5*b*c^3*f*h*k*m^2*z + 216*a^ \\
& 5*b*c^3*f*g*1*m^2*z + 216*a^5*b*c^3*e*h*1*m^2*z - 216*a^4*b*c^4*f^2*h*k*m*z \\
& - 216*a^4*b*c^4*f^2*g*1*m*z - 27*a^3*b^5*c*g*h*j*m^2*z + 216*a^4*b*c^4*e*g \\
& ^2*1*m*z - 108*a^4*b*c^4*g^2*h*j*1*z - 216*a^4*b*c^4*f*h^2*j*1*z + 216*a^4* \\
& b*c^4*e*h^2*j*m*z + 216*a^4*b*c^4*d*h^2*k*m*z - 108*a^4*b*c^4*g*h^2*j*k*z - \\
& 432*a^4*b*c^4*e*g*j^2*m*z - 432*a^4*b*c^4*d*h*j^2*m*z + 216*a^4*b*c^4*f*h* \\
& j^2*k*z + 216*a^4*b*c^4*f*g*j^2*1*z + 27*a^2*b^6*c*e*g*j*m^2*z + 27*a^2*b^6 \\
& *c*d*h*j*m^2*z - 432*a^3*b*c^5*d^2*g*j*m*z - 216*a^4*b*c^4*f*g*j*k^2*z + 21 \\
& 6*a^3*b*c^5*d^2*f*k*m*z + 216*a^3*b*c^5*d^2*e*1*m*z - 108*a^4*b*c^4*e*h*j*k \\
& ^2*z - 108*a^4*b*c^4*d*g*k^2*1*z - 108*a^3*b*c^5*d^2*h*j*1*z + 108*a^3*b*c^ \\
& 5*d^2*g*k*1*z - 54*a*b^5*c^3*d^2*g*j*m*z + 27*a*b^5*c^3*d^2*g*k*1*z + 27*a* \\
& b^5*c^3*d^2*e*1*m*z - 216*a^4*b*c^4*e*f*j*1^2*z + 216*a^3*b*c^5*d*e^2*k*m*z \\
& - 108*a^4*b*c^4*d*g*j*1^2*z - 108*a^3*b*c^5*e^2*g*j*k*z + 27*a*b^5*c^3*d*e \\
& ^2*k*m*z + 324*a^4*b*c^4*d*e*j*m^2*z + 216*a^3*b*c^5*e^2*f*h*m*z - 108*a^4* \\
& b*c^4*e*g*h*1^2*z + 108*a^3*b*c^5*e^2*g*h*1*z + 108*a^3*b*c^5*e*f^2*j*k*z + \\
& 108*a^3*b*c^5*d*f^2*j*1*z + 27*a*b^6*c^2*d*e*j^2*m*z - 216*a^3*b*c^5*e*f^2 \\
& *h*1*z + 108*a^3*b*c^5*f^2*g*h*j*z - 27*a*b^4*c^4*d^2*e*j*1*z + 216*a^3*b*c \\
& ^5*d*f*g^2*m*z - 108*a^3*b*c^5*e*g^2*h*j*z + 54*a*b^4*c^4*d^2*f*g*m*z - 27* \\
& a*b^4*c^4*d^2*g*h*k*z - 27*a*b^4*c^4*d^2*e*h*m*z - 27*a*b^4*c^4*d*e^2*j*k*z \\
& - 108*a^3*b*c^5*d*g*h^2*j*z + 54*a*b^4*c^4*d*e^2*h*1*z + 27*a*b^6*c^2*d*e* \\
& h*1^2*z - 27*a*b^5*c^3*d*e*h^2*1*z - 27*a*b^4*c^4*d*e^2*g*m*z - 27*a*b^4*c^ \\
& 4*d*e*f^2*m*z + 216*a^2*b*c^6*d^2*f*g*j*z - 108*a^3*b*c^5*d*e*g*k^2*z - 108 \\
& *a^2*b*c^6*d^2*e*h*j*z + 108*a^2*b*c^6*d^2*e*g*k*z - 54*a*b^3*c^5*d^2*f*g*j \\
& *z - 27*a*b^5*c^3*d*e*g*k^2*z + 27*a*b^4*c^4*d*e*g^2*k*z + 27*a*b^3*c^5*d^2 \\
& *e*h*j*z - 27*a*b^3*c^5*d^2*e*g*k*z - 108*a^2*b*c^6*d*e^2*g*j*z + 27*a*b^3* \\
& c^5*d*e^2*g*j*z - 108*a^2*b*c^6*d*e*f^2*j*z + 27*a*b^3*c^5*d*e*f^2*j*z - 43 \\
& 2*a^5*c^4*e*h*j*1*m*z + 432*a^4*c^5*d*e*j*k*1*z + 432*a^4*c^5*e*f*h*j*1*z - \\
& 432*a^4*c^5*d*f*g*k*m*z - 27*a*b^7*c*d*e*j*m^2*z - 54*a^5*b^2*c^2*j^2*k*1* \\
& m*z + 108*a^5*b^2*c^2*h*k^2*1*m*z + 108*a^5*b^2*c^2*g*k*1^2*m*z - 54*a^5*b^ \\
& 2*c^2*h*j*1^2*m*z + 378*a^4*b^2*c^3*f^2*k*1*m*z - 270*a^5*b^2*c^2*f*k*1*m^2 \\
& *z - 189*a^3*b^4*c^2*f^2*k*1*m*z - 108*a^5*b^2*c^2*h*j*k*m^2*z - 108*a^5*b^ \\
& 2*c^2*g*j*1*m^2*z - 54*a^4*b^3*c^2*h*j^2*k*m*z - 54*a^4*b^3*c^2*g*j^2*1*m*z \\
& - 162*a^4*b^3*c^2*e*k^2*1*m*z + 54*a^4*b^2*c^3*g^2*j*k*m*z + 27*a^4*b^3*c^ \\
& 2*h*j*k^2*1*z - 162*a^4*b^3*c^2*d*k*1^2*m*z + 108*a^4*b^2*c^3*g^2*h*1*m*z - \\
& 54*a^3*b^3*c^3*e^2*j*1*m*z + 27*a^4*b^3*c^2*g*j*k*1^2*z - 27*a^3*b^4*c^2*g \\
& ^2*h*1*m*z - 270*a^4*b^2*c^3*f*j^2*k*1*z + 189*a^4*b^3*c^2*e*j*k*m^2*z + 18 \\
& 9*a^4*b^3*c^2*d*j*1*m^2*z - 162*a^4*b^2*c^3*e*j^2*k*m*z - 162*a^4*b^2*c^3*d \\
& *j^2*1*m*z + 135*a^3*b^3*c^3*f^2*j*k*1*z + 108*a^4*b^2*c^3*g*h^2*k*m*z + 54 \\
& *a^4*b^3*c^2*f*h*1^2*m*z - 54*a^4*b^2*c^3*f*h^2*1*m*z + 54*a^3*b^4*c^2*f*j^ \\
& 2*k*1*z - 27*a^3*b^4*c^2*g*h^2*k*m*z + 27*a^3*b^4*c^2*e*j^2*k*m*z + 27*a^3* \\
& b^4*c^2*d*j^2*1*m*z - 27*a^2*b^5*c^2*f^2*j*k*1*z - 270*a^3*b^2*c^4*d^2*j*k*
\end{aligned}$$

$$\begin{aligned}
& m^*z + 189a^4b^3c^2g^*h^*j^*m^2z - 162a^4b^2c^3g^*h^*j^2m^*z + 162a^4b^2c^3e^*j^*k^2l^*z + 162a^3b^3c^3f^2h^*k^*m^*z + 162a^3b^3c^3f^2g^*l^*m^*z - 54a^4b^3c^2f^*h^*k^*m^2z - 54a^4b^3c^2f^*g^*l^*m^2z - 54a^4b^3c^2e^*h^*l^*m^2z + 54a^4b^2c^3d^*j^*k^2m^*z + 54a^2b^4c^3d^2j^*k^*m^*z + 27a^3b^4c^2g^*h^*j^2m^*z - 27a^3b^4c^2e^*j^*k^2l^*z - 27a^2b^5c^2f^2h^*k^*m^*z - 27a^2b^5c^2f^2g^*l^*m^*z + 162a^4b^2c^3d^*j^*k^l^2z - 162a^3b^3c^3e^*g^2l^*m^*z + 108a^4b^2c^3e^*h^*k^2m^*z + 108a^3b^2c^4d^2h^*l^*m^*z - 54a^4b^2c^3f^*g^*k^2m^*z - 27a^3b^4c^2e^*h^*k^2m^*z - 27a^3b^4c^2d^*j^*k^l^2z + 27a^3b^3c^3g^2h^*j^*l^*z + 27a^2b^5c^2e^*g^2l^*m^*z - 27a^2b^4c^3d^2h^*l^*m^*z + 270a^4b^2c^3f^*h^*j^*l^2z - 270a^3b^2c^4e^2h^*j^*m^*z - 162a^4b^2c^3e^*h^*k^*l^2z - 162a^3b^3c^3d^*h^2k^*m^*z + 162a^3b^2c^4e^2h^*k^*l^*z + 108a^4b^2c^3d^*g^*l^2m^*z + 108a^3b^2c^4e^2g^*k^*m^*z - 54a^4b^2c^3e^*f^*l^2m^*z - 54a^3b^4c^2f^*h^*j^*l^2z + 54a^3b^3c^3f^*h^2j^*l^*z - 54a^3b^3c^3e^*h^2j^*m^*z + 54a^3b^2c^4e^2f^*l^*m^*z + 54a^2b^4c^3e^2h^*j^*m^*z + 27a^3b^4c^2e^*h^*k^*l^2z - 27a^3b^4c^2d^*g^*l^2m^*z + 27a^3b^3c^3g^*h^2j^*k^*z + 27a^2b^5c^2d^*h^2k^*m^*z - 27a^2b^4c^3e^2h^*k^*l^*z - 27a^2b^4c^3e^2g^*k^*m^*z + 432a^4b^2c^3e^*g^*j^*m^2z + 432a^4b^2c^3d^*h^*j^*m^2z - 270a^4b^2c^3d^*g^*k^*m^2z - 216a^3b^4c^2e^*g^*j^*m^2z - 216a^3b^4c^2d^*h^*j^*m^2z + 216a^3b^3c^3e^*g^*j^2m^*z + 216a^3b^3c^3d^*h^*j^2m^*z - 162a^3b^2c^4e^*f^2k^*m^*z - 162a^3b^2c^4d^*f^2l^*m^*z - 108a^3b^2c^4f^2h^*j^*k^*z - 108a^3b^2c^4f^2g^*j^*l^*z + 54a^4b^2c^3e^*f^*k^*m^2z + 54a^4b^2c^3d^*f^*l^*m^2z + 54a^3b^4c^2d^*g^*k^*m^2z - 54a^3b^3c^3f^*h^*j^2k^*z - 54a^3b^3c^3f^*g^*j^2l^*z - 27a^2b^5c^2e^*g^*j^2m^*z - 27a^2b^5c^2d^*h^*j^2m^*z + 27a^2b^4c^3f^2h^*j^*k^*z + 27a^2b^4c^3f^2g^*j^*l^*z + 27a^2b^4c^3e^*f^2k^*m^*z + 27a^2b^4c^3d^*f^2l^*m^*z + 324a^2b^3c^4d^2g^*j^*m^*z - 270a^3b^2c^4d^*g^2j^*m^*z - 162a^3b^2c^4f^2g^*h^*m^*z + 162a^3b^2c^4e^*g^2j^*l^*z - 162a^2b^3c^4d^2e^*l^*m^*z - 135a^2b^3c^4d^2g^*k^*l^*z + 108a^3b^2c^4d^*g^2k^*l^*z + 54a^4b^2c^3f^*g^*h^*m^2z + 54a^3b^3c^3f^*g^*j^*k^2z - 54a^3b^2c^4f^*g^2j^*k^*z + 54a^2b^4c^3d^*g^2j^*m^*z - 54a^2b^3c^4d^2f^*k^*m^*z + 27a^3b^3c^3e^*h^*j^*k^2z + 27a^3b^3c^3d^*g^*k^2l^*z + 27a^2b^4c^3f^2g^*h^*m^*z - 27a^2b^4c^3e^*g^2j^*l^*z - 27a^2b^4c^3d^*g^2k^*l^*z + 27a^2b^3c^4d^2h^*j^*l^*z + 162a^3b^2c^4d^*h^2j^*k^*z - 162a^2b^3c^4d^*e^2k^*m^*z + 108a^3b^2c^4e^*g^2h^*m^*z + 54a^3b^3c^3e^*f^*j^*l^2z + 27a^3b^3c^3d^*g^*j^*l^2z - 27a^2b^4c^3e^*g^2h^*m^*z - 27a^2b^4c^3d^*h^2j^*k^*z + 27a^2b^3c^4e^2g^*j^*k^*z - 621a^3b^3c^3d^*e^*j^*m^2z + 594a^3b^2c^4d^*e^*j^2m^*z + 243a^2b^5c^2d^*e^*j^*m^2z - 243a^2b^4c^3d^*e^*j^2m^*z + 135a^3b^3c^3e^*g^*h^*l^2z - 108a^3b^2c^4e^*g^*h^2l^*z + 108a^3b^2c^4d^*g^*h^2m^*z + 54a^3b^2c^4e^*f^*j^2k^*z + 54a^3b^2c^4e^*f^*h^2m^*z + 54a^3b^2c^4d^*g^*j^2k^*z + 54a^3b^2c^4d^*f^*j^2l^*z - 54a^2b^3c^4e^2f^*h^*m^*z - 27a^2b^5c^2e^*g^*h^*l^2z + 27a^2b^4c^3e^*g^*h^2l^*z - 27a^2b^4c^3d^*g^*h^2m^*z - 27a^2b^3c^4e^2g^*h^*l^*z - 27a^2b^3c^4e^*f^2j^*k^*z - 27a^2b^3c^4d^*f^2j^*l^*z + 162a^2b^2c^5d^2e^*j^*l^*z + 54a^3b^2c^4f^*g^*h^*j^2z - 54a^3b^2c^4d^*f^*j^*k^2z + 54a^2b^3c^4e^*f^2h^*l^*z + 54a^2b^2c^5d^2f^*j^*k^*z - 27a^2b^3c^4f^2g^*h^*j^*z - 270a^2b^2c^5d^2f^*g^*m^*z - 162a^3b^2c^4d^*g^*h^*k^2z + 162a^2b^2c^5d^2g^*h^*k^*z + 162a^2b^2c^5d^2e^2j^*k^*z + 108a^2b^2c^5d^2e^*h^*m^*z - 54a^2b^3c^4d^*f^*g^2m^*z + 27a^2b^4c^3d^*g^*h^*k^2z + 27a^2b^3c^4e^*g^2h^*j^*z + 270a^3b^2c^4d^*e^*h^*l^2z - 270a^2b^2c^5d^2e^2h^*l^*z - 162a^2b^4c^3d^*e^*h^*l^2z + 108a^2b^3c^4d^*e^*h^2l^*z + 108a^2b^2c^5d^2e^2g^*m^*z + 54a^2b^2c^5e^2f^*h^*j^*z + 27a^2b^3c^4d^*g^*h^2j^*z + 162a^2b^2c^5d^2e^*f^2m^*z - 54a^3b^2c^4d^*e^*f^*m^2z - 54a^2b^2c^5d^2f^2g^*k^*z + 135a^2b^3c^4d^*e^*g^*k^2z - 108a^2b^2c^5d^2e^*g^2k^*z + 54a^2b^2c^5d^2f^*g^2j^*z - 54a^2b^2c^5d^2e^*f^*j^2z - 9a^5b^7c^d^e^*l^3z - 36a^5b^7c^d^e^*g^*z - 108a^6b^7c^2k^2l^2m^*z + 27a^5b^3c^k^2l^2m^*z - 18a^5b^2c^2j^*k^3m^*z - 27a^4b^3c^2j^3k^*l^*z - 108a^5b^3c^3h^2k^2m^*z - 108a^5b^3c^3g^2l^2m^*z + 108a^5b^3c^3h^2k^*l^2z + 108a^5b^3c^3g^2k^*m^2z + 90a^5b^2c^2f^*l^3m^*z - 18a^5b^2c^2h^*k^*l^3z + 18a^4b^2c^3h^3k^*l^*z + 18a^4b^2c^3h^3j^*m^*z - 108a^5b^3c^3
\end{aligned}$$

$$\begin{aligned}
& h^2 j^2 l^2 z + 18 a^4 b^3 c^2 f^3 k^3 m^2 z - 18 a^3 b^3 c^3 g^3 j^2 m^2 z - 9 a^4 b^3 c^2 g^3 k^3 l^2 z + 9 a^3 b^3 c^3 g^3 k^3 l^2 z + 252 a^4 b^2 c^3 f^3 j^3 m^2 z + 216 a^5 b^3 c^3 f^3 j^2 m^2 z + 180 a^3 b^2 c^4 f^3 j^2 m^2 z - 108 a^4 b^3 c^4 e^2 k^2 m^2 z - 108 a^4 b^3 c^4 d^2 l^2 m^2 z + 90 a^5 b^2 c^2 e^2 k^3 m^3 z + 90 a^5 b^2 c^2 d^2 l^3 m^3 z - 90 a^3 b^2 c^4 f^3 k^3 l^2 z + 54 a^3 b^5 c^3 f^3 j^2 m^2 z - 54 a^3 b^4 c^2 f^3 j^3 m^2 z + 36 a^5 b^2 c^2 f^3 j^2 m^2 z + 36 a^4 b^2 c^3 h^3 j^3 k^2 z + 36 a^4 b^2 c^3 g^3 j^3 l^2 z - 36 a^2 b^4 c^3 f^3 j^2 m^2 z - 27 a^2 b^6 c^3 f^2 j^2 m^2 z + 18 a^2 b^4 c^3 f^3 k^3 l^2 z - 216 a^4 b^3 c^4 d^2 k^2 m^2 z + 108 a^5 b^3 c^3 d^2 k^2 m^2 z - 108 a^4 b^3 c^2 f^3 j^2 l^3 z - 108 a^4 b^3 c^4 g^2 h^2 m^2 z + 108 a^2 b^3 c^4 e^3 j^2 m^2 z + 90 a^5 b^2 c^2 g^3 h^3 m^3 z + 54 a^4 b^3 c^2 e^2 k^3 l^3 z - 54 a^2 b^3 c^4 e^3 k^3 l^2 z + 234 a^2 b^2 c^5 d^3 j^2 m^2 z - 144 a^2 b^2 c^5 d^3 k^3 l^2 z + 90 a^4 b^2 c^3 f^3 j^2 k^3 z - 72 a^4 b^2 c^3 d^2 k^3 l^2 z + 27 a^4 b^3 c^2 g^3 h^3 l^3 z - 27 a^3 b^3 c^3 g^3 h^3 l^2 z - 18 a^3 b^4 c^2 f^3 j^2 k^3 z + 9 a^3 b^4 c^2 d^2 k^3 l^2 z + 216 a^4 b^3 c^4 f^2 h^3 l^2 z - 216 a^4 b^3 c^4 e^2 h^3 m^2 z + 108 a^4 b^3 c^4 g^2 h^3 k^2 z - 18 a^4 b^2 c^3 g^3 h^3 k^3 z + 18 a^3 b^2 c^4 g^3 h^3 k^2 z + 18 a^3 b^2 c^4 f^3 g^3 m^2 z + 9 a^3 b^4 c^2 g^3 h^3 k^3 z - 9 a^3 b^3 c^3 e^2 j^3 k^2 z - 9 a^3 b^3 c^3 d^2 j^3 l^2 z - 144 a^4 b^3 c^2 e^2 g^3 m^3 z - 144 a^4 b^3 c^2 d^2 h^3 m^3 z - 108 a^3 b^3 c^5 e^2 g^2 m^2 z + 108 a^3 b^3 c^5 d^2 j^2 k^2 z - 108 a^3 b^3 c^5 d^2 h^2 m^2 z - 18 a^2 b^3 c^4 f^3 h^3 k^2 z - 18 a^2 b^3 c^4 f^3 g^3 l^2 z - 9 a^3 b^3 c^3 g^3 h^3 j^3 z - 216 a^4 b^3 c^4 d^2 g^2 m^2 z + 144 a^4 b^2 c^3 e^2 g^3 l^3 z - 126 a^3 b^2 c^4 d^2 h^3 l^2 z - 108 a^4 b^3 c^4 d^2 h^2 l^2 z - 108 a^3 b^3 c^5 f^2 g^2 k^2 z - 108 a^3 b^3 c^5 e^2 h^2 k^2 z - 90 a^2 b^2 c^5 e^3 f^3 m^2 z + 72 a^2 b^2 c^5 e^3 g^3 l^2 z - 63 a^3 b^4 c^2 e^2 g^3 l^3 z - 36 a^3 b^4 c^2 d^2 h^3 l^3 z + 27 a^2 b^4 c^3 d^2 h^3 l^2 z + 27 a^2 b^6 c^2 d^2 g^3 m^2 z - 18 a^4 b^2 c^3 d^2 h^3 l^3 z - 18 a^3 b^2 c^4 f^3 h^3 j^2 z - 18 a^3 b^2 c^4 e^2 h^3 k^2 z + 18 a^2 b^2 c^5 e^3 h^3 k^2 z + 108 a^3 b^3 c^5 e^2 h^3 j^2 z + 54 a^3 b^3 c^3 d^2 h^3 k^3 z + 27 a^3 b^3 c^3 e^2 g^3 k^3 z - 27 a^2 b^3 c^4 e^2 g^3 k^2 z + 27 a^2 b^3 c^4 d^2 g^3 l^2 z - 27 a^2 b^4 c^4 d^2 g^2 l^2 z - 9 a^2 b^5 c^2 e^2 g^3 k^3 z - 9 a^2 b^5 c^2 d^2 h^3 k^3 z + 207 a^3 b^4 c^2 d^2 e^2 m^3 z - 108 a^2 b^3 c^6 d^2 e^2 m^2 z - 90 a^4 b^2 c^3 d^2 e^2 m^3 z - 72 a^3 b^2 c^4 e^2 g^3 j^3 z - 72 a^3 b^2 c^4 d^2 h^3 j^3 z + 27 a^2 b^3 c^5 d^2 e^2 m^2 z + 18 a^2 b^2 c^5 e^2 f^3 k^2 z + 18 a^2 b^2 c^5 d^2 f^3 l^2 z + 9 a^2 b^4 c^3 e^2 g^3 j^3 z + 9 a^2 b^4 c^3 d^2 h^3 j^3 z - 216 a^3 b^3 c^5 d^2 e^2 l^2 z - 198 a^3 b^3 c^3 d^2 e^2 l^3 z + 108 a^3 b^3 c^5 d^2 g^2 j^2 z - 108 a^3 b^3 c^5 d^2 f^2 k^2 z + 72 a^2 b^5 c^2 d^2 e^2 l^3 z - 27 a^2 b^5 c^3 d^2 e^2 l^2 z + 27 a^2 b^4 c^4 d^2 g^3 j^2 z + 18 a^2 b^2 c^5 f^3 g^3 h^2 z + 144 a^3 b^2 c^4 d^2 e^2 k^3 z - 63 a^2 b^4 c^3 d^2 e^2 k^3 z + 27 a^2 b^4 c^4 d^2 e^2 k^2 z - 9 a^2 b^3 c^4 e^2 g^3 h^3 z - 108 a^2 b^3 c^6 d^2 g^2 h^2 z + 81 a^2 b^3 c^4 d^2 e^2 j^3 z + 27 a^2 b^3 c^5 d^2 g^2 h^2 z - 27 a^2 b^2 c^6 d^2 e^2 j^2 z - 18 a^2 b^2 c^5 d^2 g^3 h^2 z + 108 a^2 b^3 c^6 d^2 e^2 h^2 z - 27 a^2 b^3 c^5 d^2 e^2 h^2 z + 27 a^2 b^2 c^6 d^2 f^2 g^2 z - 18 a^2 b^2 c^5 d^2 e^2 h^3 z - 216 a^6 c^3 j^2 k^2 l^2 m^2 z + 216 a^6 c^3 h^2 j^2 l^2 m^2 z + 216 a^6 c^3 f^2 k^2 l^2 m^2 z - 216 a^5 c^4 f^2 k^2 l^2 m^2 z - 216 a^5 c^4 g^2 j^2 k^2 m^2 z + 216 a^5 c^4 f^2 j^2 k^2 l^2 z + 216 a^5 c^4 f^2 h^2 l^2 m^2 z + 216 a^5 c^4 e^2 j^2 k^2 m^2 z + 216 a^5 c^4 d^2 j^2 l^2 m^2 z + 216 a^5 c^4 g^3 h^2 j^2 m^2 z - 216 a^5 c^4 e^2 j^2 k^2 l^2 z - 216 a^5 c^4 d^2 j^2 k^2 m^2 z + 216 a^4 c^5 d^2 j^2 k^2 m^2 z - 18 a^6 b^2 c^2 k^2 l^2 m^3 z + 216 a^5 c^4 f^2 g^3 k^2 m^2 z - 216 a^5 c^4 d^2 j^2 k^2 l^2 z - 72 a^6 b^3 c^2 j^2 l^3 m^2 z + 18 a^5 b^3 c^3 j^2 l^3 m^2 z - 216 a^5 c^4 f^2 h^2 j^2 l^2 z + 216 a^5 c^4 e^2 h^2 k^2 l^2 z + 216 a^5 c^4 e^2 f^2 l^2 m^2 z - 216 a^4 c^5 e^2 h^2 k^2 l^2 z + 216 a^4 c^5 e^2 f^2 l^2 m^2 z - 216 a^5 c^4 e^2 f^2 k^2 m^2 z + 216 a^5 c^4 d^2 g^3 k^2 m^2 z - 216 a^5 c^4 d^2 f^2 l^2 m^2 z + 216 a^4 c^5 e^2 f^2 k^2 m^2 z + 216 a^4 c^5 d^2 f^2 l^2 m^2 z + 108 a^5 b^3 c^3 j^3 k^2 l^2 z - 216 a^5 c^4 f^2 g^3 h^2 m^2 z + 216 a^4 c^5 f^2 g^3 h^2 m^2 z + 216 a^4 c^5 f^2 g^2 j^2 k^2 z - 216 a^4 c^5 e^2 g^2 j^2 l^2 z + 216 a^4 c^5 d^2 g^2 j^2 m^2 z - 72 a^6 b^3 c^2 h^2 k^2 m^3 z - 72 a^6 b^3 c^2 g^3 l^2 m^3 z + 54 a^5 b^3 c^3 h^2 k^2 m^3 z + 54 a^5 b^3 c^3 g^3 l^2 m^3 z - 216 a^4 c^5 d^2 h^2 j^2 k^2 z - 18 a^4 b^4 c^3 f^2 l^3 m^2 z + 9 a^4 b^4 c^3 h^2 k^2 l^3 z - 216 a^4 c^5 e^2 f^2 j^2 k^2 z - 216 a^4 c^5 e^2 f^2 h^2 m^2 z - 216 a^4 c^5 d^2 g^3 j^2 k^2 z - 216 a^4 c^5 d^2 f^2 j^2 l^2 z - 216 a^4 c^5 d^2 e^2 j^2 m^2 z - 72 a^5 b^3 c^3 f^2 k^3 m^2 z + 72 a^4 b^3 c^4 g^3 j^2 m^2 z + 36 a^5 b^3 c^3 g^3 k^3 l^2 z - 36 a^4 b^3 c^4 g^3 k^3 l^2 z - 216 a^4 c^5 f^2 g^3 h^2 j^2 z + 216 a^4 c^5 d^2 f^2 j^2 k^2 z - 216 a^3 c^6 d^2 f^2 j^2 k^2 z - 216 a^3 c^6 d^2 e^2 j^2 l^2 z + 72 a^4 b^4 c^3 e^2 k^2 m^3 z - 63 a^4
\end{aligned}$$

$$\begin{aligned}
& 4*b^4*c*d*l*m^3*z + 216*a^4*c^5*d*g*h*k^2*z - 216*a^3*c^6*d^2*g*h*k*z + 216 \\
& *a^3*c^6*d^2*f*g*m*z - 216*a^3*c^6*d*e^2*j*k*z + 144*a^5*b*c^3*f*j*l^3*z - \\
& 144*a^3*b*c^5*e^3*j*m*z - 72*a^5*b*c^3*e*k*l^3*z + 72*a^3*b*c^5*e^3*k*l*z - \\
& 63*a^4*b^4*c*g*h*m^3*z + 18*a^3*b^5*c*f*j*l^3*z - 18*a*b^5*c^3*e^3*j*m*z - \\
& 9*a^3*b^5*c*e*k*l^3*z + 9*a*b^5*c^3*e^3*k*l*z - 216*a^4*c^5*d*e*h*l^2*z - \\
& 216*a^3*c^6*e^2*f*h*j*z + 216*a^3*c^6*d*e^2*h*l*z - 126*a*b^4*c^4*d^3*j*m*z \\
& + 108*a^4*b*c^4*g*h^3*l*z + 63*a*b^4*c^4*d^3*k*l*z + 36*a^5*b*c^3*g*h*l^3* \\
& z - 9*a^3*b^5*c*g*h*l^3*z + 216*a^4*c^5*d*e*f*m^2*z + 216*a^3*c^6*d*f^2*g*k \\
& *z - 216*a^3*c^6*d*e*f^2*m*z + 36*a^4*b*c^4*e*j^3*k*z + 36*a^4*b*c^4*d*j^3* \\
& l*z - 216*a^3*c^6*d*f*g^2*j*z + 72*a^3*b^5*c*e*g*m^3*z + 72*a^3*b^5*c*d*h*m \\
& ^3*z + 72*a^3*b*c^5*f^3*h*k*z + 72*a^3*b*c^5*f^3*g*l*z + 36*a^4*b*c^4*g*h*j \\
& ^3*z + 18*a*b^4*c^4*e^3*f*m*z + 9*a^2*b^6*c*e*g*l^3*z + 9*a^2*b^6*c*d*h*l^3 \\
& *z - 9*a*b^4*c^4*e^3*h*k*z - 9*a*b^4*c^4*e^3*g*l*z + 216*a^3*c^6*d*e*f*j^2* \\
& z - 144*a^2*b*c^6*d^3*f*m*z + 108*a^3*b*c^5*e*g^3*k*z - 108*a^3*b*c^5*d*g^3 \\
& *l*z + 108*a*b^3*c^5*d^3*f*m*z - 72*a^4*b*c^4*d*h*k^3*z + 72*a^2*b*c^6*d^3* \\
& h*k*z - 54*a*b^3*c^5*d^3*h*k*z + 36*a^4*b*c^4*e*g*k^3*z - 36*a^2*b*c^6*d^3* \\
& g*l*z - 27*a*b^3*c^5*d^3*g*l*z - 81*a^2*b^6*c*d*e*m^3*z + 216*a^4*b*c^4*d*e \\
& *l^3*z + 72*a^2*b*c^6*e^3*f*j*z + 72*a^2*b*c^6*d*e^3*l*z - 18*a*b^3*c^5*e^3 \\
& *f*j*z - 18*a*b^3*c^5*d*e^3*l*z - 90*a*b^2*c^6*d^3*f*j*z + 72*a*b^2*c^6*d^3 \\
& *e*k*z + 36*a^3*b*c^5*e*g*h^3*z - 36*a^2*b*c^6*e^3*g*h*z + 9*a*b^6*c^2*d*e* \\
& k^3*z + 9*a*b^3*c^5*e^3*g*h*z - 180*a^3*b*c^5*d*e*j^3*z + 18*a*b^2*c^6*d^3* \\
& g*h*z - 9*a*b^5*c^3*d*e*j^3*z + 18*a*b^2*c^6*d*e^3*h*z + 9*a*b^4*c^4*d*e*h^ \\
& 3*z + 36*a^2*b*c^6*d*e*g^3*z - 9*a*b^3*c^5*d*e*g^3*z - 18*a*b^2*c^6*d*e*f^3 \\
& *z + 27*a^5*b^2*c^2*h^2*l*m^2*z - 27*a^5*b^2*c^2*j*k^2*l^2*z + 27*a^4*b^3*c \\
& ^2*h^2*k^2*m*z + 27*a^4*b^3*c^2*g^2*l^2*m*z + 27*a^5*b^2*c^2*g*k^2*m^2*z - \\
& 27*a^4*b^3*c^2*h^2*k*l^2*z - 27*a^4*b^3*c^2*g^2*k*m^2*z - 135*a^4*b^2*c^3*e \\
& ^2*l*m^2*z + 27*a^5*b^2*c^2*e*l^2*m^2*z + 27*a^4*b^3*c^2*h*j^2*l^2*z - 27*a \\
& ^4*b^2*c^3*h^2*j^2*l*z + 27*a^3*b^4*c^2*e^2*l*m^2*z - 270*a^4*b^3*c^2*f*j^2 \\
& *m^2*z - 270*a^4*b^2*c^3*f^2*j*m^2*z + 162*a^3*b^4*c^2*f^2*j*m^2*z - 108*a^ \\
& 3*b^3*c^3*f^2*j^2*m*z - 27*a^4*b^2*c^3*h^2*j*k^2*z - 27*a^4*b^2*c^3*g^2*j*l \\
& ^2*z + 27*a^3*b^3*c^3*e^2*k^2*m*z + 27*a^3*b^3*c^3*d^2*l^2*m*z + 27*a^2*b^5 \\
& *c^2*f^2*j^2*m*z + 162*a^3*b^3*c^3*d^2*k*m^2*z - 27*a^4*b^3*c^2*d*k^2*m^2*z \\
& - 27*a^4*b^2*c^3*g*j^2*k^2*z + 27*a^3*b^3*c^3*g^2*h^2*m*z - 27*a^2*b^5*c^2 \\
& *d^2*k*m^2*z + 162*a^3*b^2*c^4*d^2*k^2*l*z - 108*a^4*b^2*c^3*g*h^2*l^2*z - \\
& 27*a^4*b^2*c^3*e*j^2*l^2*z + 27*a^3*b^4*c^2*g*h^2*l^2*z + 27*a^3*b^2*c^4*e^ \\
& 2*j^2*l*z - 27*a^2*b^4*c^3*d^2*k^2*l*z - 162*a^3*b^3*c^3*f^2*h*l^2*z + 162* \\
& a^3*b^3*c^3*e^2*h*m^2*z - 135*a^4*b^2*c^3*e*h^2*m^2*z + 135*a^3*b^2*c^4*f^2 \\
& *h^2*l*z + 27*a^3*b^4*c^2*e*h^2*m^2*z - 27*a^3*b^3*c^3*g^2*h*k^2*z - 27*a^3 \\
& *b^2*c^4*e^2*j*k^2*z - 27*a^3*b^2*c^4*d^2*j*l^2*z + 27*a^2*b^5*c^2*f^2*h*l^ \\
& 2*z - 27*a^2*b^5*c^2*e^2*h*m^2*z - 27*a^2*b^4*c^3*f^2*h^2*l*z - 27*a^3*b^2* \\
& c^4*g^2*h^2*j*z + 27*a^2*b^3*c^4*e^2*g^2*m*z - 27*a^2*b^3*c^4*d^2*j^2*k*z + \\
& 27*a^2*b^3*c^4*d^2*h^2*m*z + 351*a^3*b^2*c^4*d^2*g*m^2*z - 189*a^2*b^4*c^3 \\
& *d^2*g*m^2*z + 162*a^3*b^3*c^3*d*g^2*m^2*z - 162*a^3*b^2*c^4*e^2*g*l^2*z + \\
& 135*a^3*b^3*c^3*d*h^2*l^2*z + 135*a^3*b^2*c^4*f^2*g*k^2*z - 27*a^2*b^5*c^2* \\
& d*h^2*l^2*z - 27*a^2*b^5*c^2*d*g^2*m^2*z - 27*a^2*b^4*c^3*f^2*g*k^2*z + 27* \\
& a^2*b^4*c^3*e^2*g*l^2*z + 27*a^2*b^3*c^4*f^2*g^2*k*z + 27*a^2*b^3*c^4*e^2*h \\
& ^2*k*z + 135*a^3*b^2*c^4*e*f^2*l^2*z - 108*a^3*b^2*c^4*e*g^2*k^2*z + 108*a^ \\
& 2*b^2*c^5*d^2*g^2*l*z + 27*a^3*b^2*c^4*e*h^2*j^2*z + 27*a^2*b^4*c^3*e*g^2*k \\
& ^2*z - 27*a^2*b^4*c^3*e*f^2*l^2*z - 27*a^2*b^3*c^4*e^2*h*j^2*z - 27*a^2*b^2 \\
& *c^5*e^2*f^2*l*z - 27*a^2*b^2*c^5*e^2*g^2*j*z - 27*a^2*b^2*c^5*d^2*h^2*j*z \\
& + 162*a^2*b^3*c^4*d*e^2*l^2*z - 135*a^2*b^2*c^5*d^2*g*j^2*z - 27*a^2*b^3*c^ \\
& 4*d*g^2*j^2*z + 27*a^2*b^3*c^4*d*f^2*k^2*z - 162*a^2*b^2*c^5*d^2*e*k^2*z - \\
& 27*a^2*b^2*c^5*e*f^2*h^2*z - 72*a^7*c^2*k*l*m^3*z + 9*a^5*b^4*k*l*m^3*z + 7 \\
& 2*a^6*c^3*j*k^3*m*z - 72*a^6*c^3*h*k*l^3*z - 72*a^6*c^3*f*l^3*m*z - 72*a^5* \\
& c^4*h^3*k*l*z - 72*a^5*c^4*h^3*j*m*z - 9*a^4*b^5*h*k*m^3*z - 9*a^4*b^5*g*l* \\
& m^3*z - 144*a^6*c^3*f*j*m^3*z - 144*a^5*c^4*h*j^3*k*z - 144*a^5*c^4*g*j^3*l \\
& *z - 144*a^5*c^4*f*j^3*m*z - 144*a^4*c^5*f^3*j*m*z + 72*a^6*c^3*e*k*m^3*z + \\
& 72*a^6*c^3*d*l*m^3*z + 72*a^4*c^5*f^3*k*l*z + 72*a^6*c^3*g*h*m^3*z + 18*b^ \\
& 6*c^3*d^3*j*m*z - 18*a^3*b^6*f*j*m^3*z - 9*b^6*c^3*d^3*k*l*z + 9*a^3*b^6*e
\end{aligned}$$

$$\begin{aligned}
& k^3m^3z + 9a^3b^6d^3l^3m^3z + 144a^5c^4d^3k^3l^3z + 144a^3c^6d^3k^3l^3z - 72a^5c^4f^3j^3k^3z - 72a^3c^6d^3j^3m^3z + 9a^3b^6g^3h^3m^3z - 72a^5c^4g^3h^3k^3z - 72a^4c^5g^3h^3k^3z - 72a^4c^5f^3g^3m^3z - 108a^5b^3c^3j^4m^3z + 63a^6b^2c^3j^4m^4z + 36a^6b^3c^2k^3l^4z - 9a^5b^3c^3k^3l^4z - 144a^5c^4e^3g^3l^3z - 144a^3c^6e^3g^3l^3z + 72a^5c^4d^3h^3l^3z + 72a^4c^5f^3h^3j^3z + 72a^4c^5e^3h^3k^3z + 72a^4c^5d^3h^3l^3z + 72a^3c^6e^3h^3k^3z + 72a^3c^6e^3f^3m^3z - 18b^5c^4d^3f^3m^3z + 9b^5c^4d^3h^3k^3z + 9b^5c^4d^3g^3l^3z - 9a^2b^7e^3g^3m^3z - 9a^2b^7d^3h^3m^3z + 144a^4c^5e^3g^3j^3z + 144a^4c^5d^3h^3j^3z - 72a^5c^4d^3e^3m^3z - 72a^3c^6e^3f^3k^3z - 72a^3c^6d^3f^3l^3z + 144a^6b^3c^2f^3m^4z - 108a^5b^3c^3f^3m^4z - 72a^3c^6f^3g^3h^3z + 36a^5b^3c^3h^3k^4z - 36a^3b^3c^5f^4m^3z + 18b^4c^5d^3f^3j^3z - 9b^4c^5d^3e^3k^3z + 9a^4b^4c^3g^3l^4z - 144a^4c^5d^3e^3k^3z - 144a^2c^7d^3e^3k^3z + 72a^2c^7d^3f^3j^3z - 9b^4c^5d^3g^3h^3z + 72a^3c^6d^3g^3h^3z + 72a^2c^7d^3g^3h^3z - 72a^5b^3c^3d^3l^4z - 72a^4b^3c^4f^3j^4z + 45a^2b^2c^6d^4l^3z - 36a^2b^3c^6e^4k^3z - 9a^3b^5c^3d^3l^4z + 9a^2b^3c^5e^4k^3z - 72a^3c^6d^3e^3h^3z - 72a^2c^7d^3e^3h^3z + 9b^3c^6d^3e^3g^3z + 72a^2c^7d^3e^3f^3z + 36a^3b^3c^5d^3h^4z - 9a^2b^2c^6e^4g^3z + 36a^2b^3c^7d^3f^2z + 90a^5b^2c^2j^3m^2z + 45a^5b^2c^2j^2l^3z + 9a^4b^3c^2j^2k^3z - 9a^4b^3c^2h^3m^2z - 45a^4b^2c^3g^3m^2z + 9a^3b^4c^2g^3m^2z + 198a^4b^3c^2f^2m^3z - 108a^3b^3c^3f^3m^2z + 18a^2b^5c^2f^3m^2z - 117a^4b^2c^3f^2l^3z + 117a^3b^2c^4e^3m^2z + 63a^3b^4c^2f^2l^3z - 63a^2b^4c^3e^3m^2z - 171a^2b^3c^4d^3m^2z - 54a^3b^3c^3f^2k^3z + 9a^3b^2c^4g^3j^2z + 9a^2b^5c^2f^2k^3z + 18a^3b^2c^4f^2j^3z + 18a^2b^3c^4f^3j^2z - 9a^2b^4c^3f^2j^3z - 45a^2b^2c^5e^3j^2z + 9a^2b^3c^4f^2h^3z - 9a^2b^2c^5f^2g^3z + 9a^2b^8d^3e^3m^3z - 36a^2b^3c^7d^4h^3z - 108a^6c^3h^2l^3m^2z + 108a^6c^3j^2k^2l^2z - 108a^6c^3g^3k^2m^2z - 108a^6c^3e^3l^2m^2z + 108a^5c^4h^2j^2l^3z + 108a^5c^4e^2l^3m^2z + 216a^5c^4f^2j^3m^2z + 108a^5c^4h^2j^2k^2z + 108a^5c^4g^2j^2l^2z + 108a^5c^4g^3j^2k^2z - 216a^4c^5d^2k^2l^3z + 108a^5c^4e^2j^2l^2z - 108a^4c^5e^2j^2l^3z - 9a^6b^2c^3l^3m^2z + 108a^5c^4e^2h^2m^2z - 108a^4c^5f^2h^2l^3z + 108a^4c^5e^2j^2k^2z + 108a^4c^5d^2j^2l^2z - 144a^6b^3c^2j^2m^3z + 108a^4c^5g^2h^2j^3z - 27a^4b^4c^3j^3m^2z + 27a^4b^3c^2j^4m^3z + 9a^5b^2c^2k^4l^3z + 216a^4c^5e^2g^3l^2z - 108a^4c^5f^2g^3k^2z - 108a^4c^5d^2g^3m^2z - 9a^4b^4c^3j^2l^3z - 108a^4c^5e^3h^2j^2z - 108a^4c^5e^3f^2l^2z + 108a^3c^6e^2f^2l^3z - 36a^5b^3c^3j^2k^3z + 36a^5b^3c^3h^3m^2z + 108a^3c^6e^2g^2j^3z + 108a^3c^6d^2h^2j^3z - 216a^5b^3c^3f^2m^3z + 144a^4b^3c^4f^3m^2z + 108a^3c^6d^2g^3j^2z - 72a^3b^5c^3f^2m^3z - 45a^5b^2c^2g^3l^4z - 9a^4b^3c^2h^3k^4z - 9a^3b^2c^4g^4l^3z + 9a^2b^3c^4f^4m^3z + 216a^3c^6d^2e^3k^2z - 9a^2b^6c^3f^2l^3z + 9a^2b^6c^2e^3m^2z + 108a^3c^6e^3f^2h^2z + 108a^3b^3c^5d^3m^2z + 108a^2c^7d^2e^2j^3z + 72a^4b^3c^4f^2k^3z + 72a^2b^5c^3d^3m^2z - 72a^3b^3c^5f^3j^2z + 54a^4b^3c^2d^3l^4z - 45a^4b^2c^3e^3k^4z + 18a^3b^3c^3f^3j^4z + 9a^3b^4c^2e^3k^4z - 9a^2b^2c^5f^4j^3z - 108a^2c^7d^2f^2g^3z + 9a^3b^2c^4g^3h^4z + 9a^2b^4c^4e^3j^2z - 72a^2b^3c^6d^3j^2z + 54a^2b^3c^5d^3j^2z - 36a^3b^3c^5f^2h^3z - 9a^2b^3c^4d^3h^4z + 9a^2b^2c^5e^3g^4z + 9a^2b^2c^6e^3f^2z + 36a^7c^2l^3m^2z + 72a^6c^3j^3m^2z - 36a^6c^3j^2l^3z + 9a^4b^5j^2m^3z + 36a^5c^4g^3m^2z + 36a^5c^4f^2l^3z - 36a^4c^5e^3m^2z - 9b^7c^2d^3m^2z + 9a^2b^7f^2m^3z - 36a^4c^5g^3j^2z + 72a^4c^5f^2j^3z + 36a^3c^6e^3j^2z - 9b^5c^4d^3j^2z + 36a^3c^6f^2g^3z - 9a^4b^2c^3j^5z - 36a^2c^7e^3f^2z - 9b^3c^6d^3f^2z + 36a^7c^2j^3m^4z - 36a^6c^3k^4l^3z - 18a^5b^4j^3m^4z + 36a^6c^3g^3l^4z + 36a^4c^5g^4l^3z + 18a^4b^5f^3m^4z - 9b^4c^5d^4l^3z + 36a^5c^4e^3k^4z + 36a^3c^6f^4j^3z - 36a^2c^7d^4l^3z - 36a^4c^5g^3h^4z + 9b^3c^6d^4h^3z - 36a^3c^6e^3g^4z + 36a^2c^7e^4g^3z - 9b^2c^7d^4e^3z - 36a^7b^3c^3m^5z + 36a^6c^3d^4e^3z + 9a^6b^3m^5z + 36a^5c^4j^5z + 9a^4b^
\end{aligned}$$

$$\begin{aligned}
& 3*c*g*h*j*k*l*m - 9*a^3*b^4*c*e*g*j*k*l*m - 9*a^3*b^4*c*d*h*j*k*l*m - 9*a^3 \\
& *b^4*c*f*g*h*k*l*m + 36*a^4*b*c^3*d*e*j*k*l*m + 9*a^2*b^5*c*d*e*j*k*l*m + 3 \\
& 6*a^4*b*c^3*e*f*h*j*l*m + 36*a^4*b*c^3*e*f*g*k*l*m + 36*a^4*b*c^3*d*f*h*k*l \\
& *m + 9*a^2*b^5*c*e*f*g*k*l*m + 9*a^2*b^5*c*d*f*h*k*l*m + 36*a^3*b*c^4*d*e*f \\
& *j*k*l + 9*a*b^5*c^2*d*e*f*j*k*l + 36*a^3*b*c^4*d*e*g*h*k*l + 36*a^3*b*c^4* \\
& d*e*f*h*k*m + 36*a^3*b*c^4*d*e*f*g*l*m + 9*a*b^5*c^2*d*e*f*h*k*m + 9*a*b^5* \\
& c^2*d*e*f*g*l*m - 9*a*b^4*c^3*d*e*f*h*j*k - 9*a*b^4*c^3*d*e*f*g*j*l - 9*a*b \\
& ^4*c^3*d*e*f*g*h*m + 9*a*b^3*c^4*d*e*f*g*h*j - 9*a*b^6*c*d*e*f*k*l*m + 18*a \\
& ^4*b^2*c^2*e*g*j*k*l*m + 18*a^4*b^2*c^2*d*h*j*k*l*m + 18*a^4*b^2*c^2*f*g*h* \\
& k*l*m - 36*a^3*b^3*c^2*d*e*j*k*l*m - 36*a^3*b^3*c^2*e*f*g*k*l*m - 36*a^3*b^ \\
& 3*c^2*d*f*h*k*l*m + 9*a^3*b^3*c^2*f*g*h*j*k*l + 9*a^3*b^3*c^2*e*g*h*j*k*m + \\
& 9*a^3*b^3*c^2*d*g*h*j*l*m - 108*a^3*b^2*c^3*d*e*f*k*l*m + 54*a^2*b^4*c^2*d \\
& *e*f*k*l*m - 36*a^3*b^2*c^3*d*f*g*j*k*m + 18*a^3*b^2*c^3*e*f*g*j*k*l + 18*a \\
& ^3*b^2*c^3*d*f*h*j*k*l + 18*a^3*b^2*c^3*d*e*h*j*k*m + 18*a^3*b^2*c^3*d*e*g* \\
& j*l*m - 9*a^2*b^4*c^2*d*e*f*g*j*k*l - 9*a^2*b^4*c^2*d*f*h*j*k*l - 9*a^2*b^4*c \\
& ^2*d*e*h*j*k*m - 9*a^2*b^4*c^2*d*e*g*j*l*m + 18*a^3*b^2*c^3*e*f*g*h*k*m + 1 \\
& 8*a^3*b^2*c^3*d*f*g*h*l*m - 9*a^2*b^4*c^2*d*e*f*g*h*k*m - 9*a^2*b^4*c^2*d*f*g \\
& *h*l*m - 36*a^2*b^3*c^3*d*e*f*j*k*l - 36*a^2*b^3*c^3*d*e*f*h*k*m - 36*a^2*b \\
& ^3*c^3*d*e*f*g*l*m + 9*a^2*b^3*c^3*e*f*g*h*j*k + 9*a^2*b^3*c^3*d*f*g*h*j*l \\
& + 9*a^2*b^3*c^3*d*e*g*h*j*m + 18*a^2*b^2*c^4*d*e*f*h*j*k + 18*a^2*b^2*c^4*d \\
& *e*f*g*j*l + 18*a^2*b^2*c^4*d*e*f*g*h*m - 9*a^5*b^2*c*h*j*k^2*l*m - 9*a^5*b \\
& ^2*c*g*j*k*l^2*m + 27*a^5*b^2*c*f*j*k*l^2*m - 9*a^4*b^3*c*f*j^2*k*l*m + 9*a \\
& ^3*b^4*c*f^2*j*k*l*m - 18*a^5*b*c^2*e*j*k^2*l*m - 9*a^5*b^2*c*g*h*k*l^2*m + \\
& 9*a^4*b^3*c*e*j*k^2*l*m - 18*a^5*b*c^2*f*h*k^2*l*m - 18*a^5*b*c^2*d*j*k*l^ \\
& 2*m + 9*a^4*b^3*c*f*h*k^2*l*m + 9*a^4*b^3*c*d*j*k*l^2*m + 36*a^5*b*c^2*e*h* \\
& k*l^2*m - 36*a^4*b*c^3*e^2*h*k*l^2*m + 18*a^5*b*c^2*f*h*j*l^2*m - 18*a^5*b*c^ \\
& 2*f*g*k*l^2*m - 18*a^4*b^3*c*e*h*k*l^2*m + 9*a^4*b^3*c*f*g*k*l^2*m + 9*a^3* \\
& b^4*c*e*h^2*k*l*m - 9*a^2*b^5*c*e^2*h*k*l^2*m - 54*a^5*b*c^2*e*h*j*l^2*m - 18 \\
& *a^5*b*c^2*e*g*k*l^2*m - 18*a^5*b*c^2*d*h*k*l^2*m + 18*a^4*b^3*c*e*h*j*l^2*m \\
& - 9*a^4*b^3*c*f*h*j*k^2*m - 9*a^4*b^3*c*f*g*j*l^2*m + 9*a^4*b^3*c*e*g*k* \\
& l^2*m + 9*a^4*b^3*c*d*h*k*l^2*m + 18*a^4*b*c^3*f*g^2*j*k*m - 18*a^4*b*c^3*e* \\
& g^2*j*l*m + 18*a^3*b^4*c*d*g*k^2*l*m - 9*a^3*b^4*c*e*f*k^2*l*m - 9*a^2*b^5* \\
& c*d*g^2*k*l*m - 18*a^4*b*c^3*f*g^2*h*l*m - 18*a^4*b*c^3*d*h^2*j*k*m - 9*a^3 \\
& *b^4*c*d*f*k*l^2*m - 54*a^4*b*c^3*d*g*j^2*k*m - 18*a^4*b*c^3*f*g*h^2*k*m - \\
& 18*a^4*b*c^3*e*g*j^2*k*l - 18*a^4*b*c^3*d*h*j^2*k*l - 18*a^3*b^4*c*d*g*j*k* \\
& m^2 + 9*a^3*b^4*c*e*f*j*k^2*m + 9*a^3*b^4*c*d*f*j*l^2*m - 9*a^3*b^4*c*d*e*k \\
& *l^2*m - 54*a^3*b*c^4*d^2*f*j*k^2*m + 36*a^4*b*c^3*d*g*j*k^2*l - 36*a^3*b*c^4 \\
& *d^2*g*j*k*l - 18*a^4*b*c^3*e*f*j*k^2*l + 18*a^4*b*c^3*d*f*j*k^2*m - 18*a^3 \\
& *b*c^4*d^2*e*j*l*m + 9*a^3*b^4*c*f*g*h*j^2*m - 9*a*b^5*c^2*d^2*g*j*k*l + 36 \\
& *a^4*b*c^3*d*g*h*k^2*m - 36*a^3*b*c^4*d^2*g*h*k*m + 18*a^4*b*c^3*e*g*h*k^2* \\
& l - 18*a^4*b*c^3*e*f*h*k^2*m - 18*a^4*b*c^3*d*f*j*k^2*l - 18*a^3*b*c^4*d^2* \\
& f*h*l*m - 18*a^3*b*c^4*d*e^2*j*k^2*m - 9*a*b^5*c^2*d^2*g*h*k^2*m - 54*a^4*b*c^3 \\
& *d*g*h*k^2*l - 54*a^3*b*c^4*e^2*f*h*j^2*m - 18*a^4*b*c^3*d*f*g^2*l^2*m - 18*a^3 \\
& *b*c^4*e^2*f*g*k^2*m - 54*a^4*b*c^3*d*f*g*k^2*m - 36*a^4*b*c^3*e*f*g*j^2*m - \\
& 36*a^4*b*c^3*d*f*h*j^2*m + 36*a^3*b*c^4*e*f^2*g*j^2*m + 36*a^3*b*c^4*d*f^2*h* \\
& j^2*m - 18*a^4*b*c^3*d*e*h*k^2*m - 18*a^4*b*c^3*d*e*g^2*l^2*m + 18*a^3*b*c^4*e* \\
& f^2*h*j^2*l - 18*a^3*b*c^4*e*f^2*g*k^2*l - 18*a^3*b*c^4*d*f^2*h*k^2*l + 18*a^3*b* \\
& c^4*d*f^2*g*k^2*m - 9*a^2*b^5*c*e*f*g^2*j^2*m - 9*a^2*b^5*c*d*f*h*j^2*m - 54*a^ \\
& 3*b*c^4*d*f*g^2*j^2*m - 18*a^3*b*c^4*e*f*g^2*j^2*l - 18*a*b^4*c^3*d^2*f*g^2*j^2*m \\
& + 9*a*b^4*c^3*d^2*g^2*h*j^2*k + 9*a*b^4*c^3*d^2*f*g^2*k^2*l + 9*a*b^4*c^3*d^2*e*g^2*k* \\
& m - 9*a*b^4*c^3*d^2*e*f^2*l^2*m - 18*a^3*b*c^4*e*f*g^2*h^2*m - 18*a^3*b*c^4*d*f*h \\
& ^2*j^2*k - 9*a*b^4*c^3*d*e^2*f^2*k^2*m + 18*a^3*b*c^4*d*f*g^2*j^2*k - 18*a^3*b*c^4* \\
& d*f*g^2*h^2*m - 18*a^3*b*c^4*d*e*h^2*j^2*k - 18*a^3*b*c^4*d*e*g^2*j^2*l + 18*a*b^ \\
& 4*c^3*d*e*f^2*j^2*m - 9*a*b^5*c^2*d^2*e*f^2*j^2*m - 9*a*b^4*c^3*d^2*e*f^2*k^2*l - 18* \\
& a^2*b*c^5*d^2*e*f^2*j^2*l - 9*a*b^3*c^4*d^2*e*g^2*j^2*k + 9*a*b^3*c^4*d^2*e*f^2*j^2*l - \\
& 54*a^2*b*c^5*d^2*e*g^2*h^2*l - 18*a^2*b*c^5*d^2*e*f^2*h^2*m - 18*a^2*b*c^5*d^2*f \\
& *j^2*k + 18*a*b^3*c^4*d^2*e*g^2*h^2*l - 9*a*b^3*c^4*d^2*f*g^2*h^2*k + 9*a*b^3*c^4*d^2 \\
& *e*f^2*h^2*m + 9*a*b^3*c^4*d^2*e^2*f^2*j^2*k - 36*a^3*b*c^4*d^2*e*f^2*h^2*l + 36*a^2*b*c^ \\
& 5*d^2*e^2*f^2*h^2*l + 18*a^2*b*c^5*d^2*e^2*g^2*h^2*k - 18*a^2*b*c^5*d^2*e^2*f^2*g^2*m - 18*a^
\end{aligned}$$

$$\begin{aligned}
& b^3c^4de^2f^2h^2k^2 - 9a^2b^5c^2de^2f^2h^2k^2 + 9a^2b^4c^3de^2f^2h^2k^2 + 9a^2b^3c^4de^2f^2g^2m - 18a^2b^2c^5de^2f^2g^2h^2k^2 - 18a^2b^2c^5de^2f^2g^2h^2k^2 \\
& + 9a^2b^3c^4de^2f^2g^2h^2k^2 + 9a^2b^3c^4de^2f^2g^2h^2k^2 + 27a^2b^2c^5de^2f^2g^2h^2k^2 + 9a^2b^4c^3de^2f^2g^2h^2k^2 - 9a^2b^3c^4de^2f^2g^2h^2k^2 - 9a^2b^2c^5de^2f^2g^2h^2k^2 \\
& *ef^2h^2j - 9a^2b^2c^5de^2f^2g^2h^2j - 9a^2b^2c^5de^2f^2g^2h^2j + 72a^4c^4d^2ef^2g^2h^2j^2k^2m + 72a^4c^4d^2ef^2g^2h^2j^2k^2m + 9a^2b^6c^2d^2g^2h^2j^2k^2m + 9a^2b^6c^2d^2g^2h^2j^2k^2m \\
& *f^2j^2m^2 - 27a^4b^2c^2f^2j^2k^2m - 9a^4b^2c^2g^2h^2j^2k^2m + 36a^3b^3c^2e^2h^2k^2m - 18a^4b^2c^2e^2h^2k^2m - 9a^4b^2c^2g^2h^2j^2k^2m + 18a^4b^2c^2f^2h^2j^2k^2m + 18a^4b^2c^2f^2g^2j^2k^2m - 18a^4b^2c^2e^2h^2j^2k^2m - 9a^4b^2c^2g^2h^2j^2k^2m - 9a^3b^3c^2f^2h^2j^2k^2m - 9a^3b^3c^2f^2g^2j^2k^2m - 63a^4b^2c^2d^2g^2h^2j^2k^2m + 63a^3b^2c^3d^2g^2h^2j^2k^2m - 45a^2b^4c^2d^2g^2h^2j^2k^2m + 36a^4b^2c^2e^2f^2k^2m + 27a^3b^3c^2d^2g^2h^2j^2k^2m - 9a^4b^2c^2f^2h^2j^2k^2m - 9a^4b^2c^2e^2h^2j^2k^2m + 9a^3b^3c^2e^2g^2j^2k^2m - 9a^3b^2c^3d^2h^2j^2k^2m + 36a^4b^2c^2d^2f^2j^2k^2m + 27a^4b^2c^2e^2h^2j^2k^2m - 27a^3b^2c^3e^2h^2j^2k^2m - 18a^3b^2c^3e^2f^2j^2k^2m - 9a^4b^2c^2f^2g^2j^2k^2m - 9a^4b^2c^2d^2g^2j^2k^2m + 9a^3b^3c^2f^2g^2h^2j^2k^2m + 9a^3b^3c^2e^2h^2j^2k^2m + 9a^3b^3c^2d^2h^2j^2k^2m - 9a^3b^2c^3e^2g^2j^2k^2m + 9a^2b^4c^2e^2h^2j^2k^2m + 72a^4b^2c^2d^2g^2j^2k^2m^2 + 36a^4b^2c^2d^2e^2k^2m^2 + 27a^4b^2c^2e^2g^2h^2j^2k^2m - 27a^4b^2c^2e^2f^2j^2k^2m^2 - 27a^4b^2c^2d^2f^2j^2k^2m^2 - 27a^3b^2c^3e^2g^2h^2j^2k^2m + 27a^3b^2c^3e^2f^2j^2k^2m + 27a^3b^2c^3d^2f^2j^2k^2m + 18a^3b^3c^2d^2g^2j^2k^2m + 9a^3b^3c^2f^2g^2h^2k^2m + 9a^3b^3c^2e^2g^2j^2k^2m - 9a^3b^3c^2e^2g^2h^2j^2k^2m - 9a^3b^3c^2e^2f^2j^2k^2m + 9a^3b^3c^2d^2h^2j^2k^2m - 9a^3b^3c^2d^2f^2j^2k^2m + 9a^2b^4c^2e^2g^2h^2j^2k^2m + 36a^2b^3c^3d^2g^2j^2k^2m - 27a^4b^2c^2f^2g^2h^2j^2k^2m + 27a^3b^2c^3f^2g^2h^2j^2k^2m - 18a^4b^2c^2e^2f^2h^2j^2k^2m - 18a^3b^3c^2d^2g^2j^2k^2m - 18a^3b^3c^2d^2g^2h^2j^2k^2m - 18a^3b^3c^2d^2g^2h^2j^2k^2m - 18a^3b^3c^2d^2g^2h^2j^2k^2m + 9a^3b^3c^2d^2g^2h^2j^2k^2m + 9a^3b^3c^2d^2f^2j^2k^2m + 9a^2b^4c^2e^2g^2h^2j^2k^2m + 36a^2b^3c^3d^2g^2j^2k^2m - 27a^4b^2c^2f^2g^2h^2j^2k^2m + 27a^3b^2c^3f^2g^2h^2j^2k^2m - 18a^4b^2c^2e^2f^2h^2j^2k^2m - 18a^3b^3c^2d^2g^2j^2k^2m - 18a^3b^3c^2d^2g^2h^2j^2k^2m - 9a^4b^2c^2e^2g^2h^2j^2k^2m + 9a^3b^3c^2e^2f^2j^2k^2m - 9a^3b^2c^3f^2g^2h^2k^2m + 9a^2b^4c^2d^2g^2j^2k^2m + 9a^2b^3c^3d^2e^2j^2k^2m + 36a^3b^2c^3e^2f^2g^2h^2j^2k^2m + 36a^2b^3c^3d^2g^2h^2j^2k^2m - 18a^3b^3c^2d^2g^2h^2k^2m - 18a^3b^2c^3d^2g^2h^2k^2m + 9a^3b^3c^2e^2f^2h^2k^2m + 9a^3b^3c^2d^2f^2j^2k^2m - 9a^3b^2c^3f^2g^2h^2j^2k^2m - 9a^3b^2c^3e^2g^2h^2j^2k^2m - 9a^2b^4c^2e^2f^2g^2h^2j^2k^2m + 9a^2b^3c^3d^2e^2f^2h^2j^2k^2m + 9a^2b^3c^3d^2e^2j^2k^2m + 36a^3b^2c^3d^2f^2h^2k^2m + 36a^3b^2c^3d^2e^2j^2k^2m + 18a^3b^3c^2d^2g^2h^2k^2m + 18a^3b^2c^3e^2g^2h^2j^2k^2m + 18a^3b^2c^3e^2f^2h^2j^2k^2m - 18a^3b^2c^3d^2g^2h^2k^2m + 18a^3b^2c^3d^2e^2h^2j^2k^2m + 18a^2b^3c^3e^2f^2h^2j^2k^2m - 9a^3b^3c^2e^2g^2h^2j^2k^2m - 9a^3b^3c^2e^2f^2h^2k^2m + 9a^3b^3c^2d^2f^2g^2h^2j^2k^2m - 9a^3b^2c^3f^2g^2h^2j^2k^2m - 9a^3b^2c^3e^2g^2h^2j^2k^2m - 9a^2b^4c^2d^2e^2j^2k^2m - 9a^2b^3c^3e^2f^2h^2k^2m + 9a^2b^3c^3e^2f^2g^2k^2m - 9a^2b^3c^3d^2e^2h^2j^2k^2m + 36a^3b^3c^2e^2f^2g^2j^2m^2 + 36a^3b^3c^2d^2f^2h^2j^2m^2 + 18a^3b^3c^2d^2f^2g^2k^2m^2 - 18a^3b^2c^3e^2f^2g^2j^2m - 18a^3b^2c^3d^2f^2h^2j^2m - 18a^2b^3c^3e^2f^2g^2j^2m - 18a^2b^3c^3d^2f^2h^2j^2m + 9a^3b^3c^2d^2e^2h^2k^2m + 9a^3b^2c^3d^2g^2h^2j^2k^2m - 9a^3b^2c^3d^2g^2h^2j^2k^2m + 9a^2b^4c^2e^2f^2g^2j^2m + 9a^2b^4c^2d^2f^2h^2j^2m + 9a^2b^3c^3e^2f^2g^2k^2m + 9a^2b^3c^3d^2f^2h^2k^2m + 72a^2b^2c^4d^2f^2g^2j^2m + 36a^2b^2c^4d^2e^2f^2g^2j^2m + 27a^3b^2c^3d^2g^2h^2j^2k^2 + 27a^3b^2c^3d^2f^2g^2k^2 + 27a^3b^2c^3d^2e^2g^2k^2 + 27a^3b^2c^3d^2e^2g^2k^2m - 27a^2b^2c^4d^2g^2h^2j^2k^2 - 27a^2b^2c^4d^2e^2f^2g^2k^2 - 27a^2b^2c^4d^2e^2f^2g^2k^2 - 27a^2b^2c^4d^2e^2g^2k^2m + 18a^2b^3c^3d^2f^2g^2j^2m - 18a^2b^2c^4d^2e^2h^2k^2 - 9a^3b^2c^3e^2f^2h^2j^2k^2 + 9a^2b^3c^3e^2f^2g^2j^2m - 9a^2b^3c^3d^2g^2h^2j^2k^2 - 9a^2b^3c^3d^2f^2g^2k^2 - 9a^2b^3c^3d^2e^2g^2k^2m - 9a^2b^2c^4d^2f^2h^2j^2k^2 - 9a^2b^2c^4d^2e^2h^2j^2k^2m + 36a^2b^2c^4d^2e^2f^2k^2m - 27a^3b^2c^3d^2e^2h^2j^2k^2 + 27a^2b^2c^4d^2e^2h^2j^2k^2 - 18a^3b^2c^3d^2e^2g^2k^2m - 18a^3b^2c^3d^2f^2g^2j^2k^2 + 9a^2b^3c^3e^2f^2g^2h^2j^2k^2 - 9a^2b^3c^3d^2e^2h^2j^2k^2 - 9a^2b^2c^4d^2e^2g^2j^2m + 63a^3b^2c^3d^2e^2f^2j^2m - 63a^2b^2c^4d^2e^2f^2j^2m - 45a^2b^2c^4d^2e^2f^2j^2m
\end{aligned}$$

$$\begin{aligned}
& 2*b^4*c^2*d*e*f*j*m^2 + 36*a^2*b^2*c^4*d*e*f^2*k*1 - 27*a^3*b^2*c^3*e*f*g*h \\
& *1^2 + 27*a^2*b^3*c^3*d*e*f*j^2*m + 27*a^2*b^2*c^4*e^2*f*g*h*1 + 9*a^2*b^4* \\
& c^2*e*f*g*h*1^2 - 9*a^2*b^3*c^3*e*f*g*h^2*1 + 9*a^2*b^3*c^3*d*f*g*h^2*m + 9 \\
& *a^2*b^3*c^3*d*e*h*j^2*k + 9*a^2*b^3*c^3*d*e*g*j^2*1 + 18*a^2*b^2*c^4*d*e*g \\
& ^2*j*k - 9*a^3*b^2*c^3*d*e*g*h*m^2 - 9*a^2*b^3*c^3*d*e*g*j*k^2 - 9*a^2*b^2* \\
& c^4*e*f^2*g*h*k - 9*a^2*b^2*c^4*d*f^2*g*h*1 + 18*a^2*b^2*c^4*d*f*g^2*h*k - \\
& 18*a^2*b^2*c^4*d*e*g^2*h*1 - 9*a^2*b^3*c^3*d*f*g*h*k^2 - 9*a^2*b^2*c^4*e*f* \\
& g^2*h*j + 36*a^2*b^3*c^3*d*e*f*h*1^2 - 18*a^2*b^2*c^4*d*e*f*h^2*1 - 9*a^2*b \\
& ^2*c^4*d*f*g*h^2*j - 9*a^2*b^2*c^4*d*e*g*h*j^2 - 27*a^2*b^2*c^4*d*e*f*g*k^2 \\
& + 18*a^2*b^2*c^4*d^2*f*h*k^2 - 9*a^2*b^3*c^3*e*f*g^2*k^2 - 9*a^2*b^2*c^4*e \\
& ^2*f*h*j^2 - 9*a^2*b^2*c^4*d*f^2*h^2*k + 45*a^2*b^3*c^3*d*e*f^2*m^2 + 36*a^ \\
& 2*b^2*c^4*d^2*e*g*1^2 + 9*a^2*b^3*c^3*d*e*g^2*1^2 + 9*a^2*b^2*c^4*e*f^2*g*j \\
& ^2 + 9*a^2*b^2*c^4*d*f^2*h*j^2 - 9*a^2*b^2*c^4*d*e^2*h*k^2 - 36*a^2*b^2*c^4 \\
& *d*e^2*f*1^2 - 9*a^2*b^2*c^4*d*f*g^2*j^2 - 12*a^6*b*c*h*k*1^3*m + 3*a*b^6*c \\
& *e^3*k*1*m + 3*a*b^6*c*d*e*f*1^3 - 12*a*b*c^6*d*e^3*f*h + 9*a^5*b^2*c*h^2*k \\
& *1^2*m + 18*a^5*b*c^2*g^2*k^2*1*m - 9*a^5*b^2*c*h^2*j*1*m^2 + 9*a^5*b*c^2*h \\
& ^2*j^2*1*m - 9*a^4*b^3*c*g^2*k^2*1*m - 3*a^4*b^2*c^2*g^3*k*1*m + 18*a^5*b*c \\
& ^2*f^2*k*1*m^2 + 15*a^3*b^3*c^2*f^3*k*1*m + 9*a^5*b^2*c*h*j^2*k*m^2 + 9*a^5 \\
& *b^2*c*g*j^2*1*m^2 - 9*a^5*b^2*c*f*k^2*1^2*m + 9*a^5*b*c^2*h^2*j*k^2*m + 9* \\
& a^5*b*c^2*g^2*j*1^2*m - 9*a^4*b^3*c*f^2*k*1*m^2 + 36*a^3*b^2*c^3*e^3*k*1*m \\
& - 27*a^5*b*c^2*g^2*j*k*m^2 - 18*a^5*b*c^2*h^2*j*k*1^2 - 18*a^2*b^4*c^2*e^3* \\
& k*1*m - 9*a^5*b^2*c*g*j*k^2*m^2 - 9*a^5*b^2*c*e*k^2*1*m^2 + 9*a^5*b*c^2*h*j \\
& ^2*k^2*1 + 9*a^5*b*c^2*g*j^2*k^2*m + 9*a^4*b^3*c*g^2*j*k*m^2 + 9*a^3*b^4*c* \\
& e^2*k*1^2*m + 3*a^4*b^2*c^2*h^3*j*k*1 - 54*a^4*b*c^3*d^2*k^2*1*m - 51*a^2*b \\
& ^3*c^3*d^3*k*1*m - 27*a^4*b*c^3*e^2*j^2*1*m - 18*a^5*b*c^2*g*h^2*1^2*m - 9* \\
& a^5*b^2*c*e*j*1^2*m^2 - 9*a^5*b^2*c*d*k*1^2*m^2 + 9*a^5*b*c^2*g^2*h*1*m^2 + \\
& 9*a^5*b*c^2*g*j^2*k*1^2 + 9*a^5*b*c^2*e*j^2*1^2*m - 9*a^3*b^4*c*e^2*j*1*m^ \\
& 2 - 9*a^2*b^5*c*d^2*k^2*1*m + 3*a^4*b^2*c^2*g*h^3*1*m - 3*a^3*b^3*c^2*g^3*j \\
& *k*1 + 18*a^5*b*c^2*e*j^2*k*m^2 + 18*a^5*b*c^2*d*j^2*1*m^2 + 18*a^4*b*c^3*f \\
& ^2*j^2*k*1 + 9*a^5*b*c^2*g*h^2*k*m^2 + 9*a^5*b*c^2*f*h^2*1*m^2 + 9*a^5*b*c^ \\
& 2*f*j*k^2*1^2 - 9*a^4*b^3*c*e*j^2*k*m^2 - 9*a^4*b^3*c*d*j^2*1*m^2 + 9*a^4*b \\
& ^2*c^2*f*j^3*k*1 + 9*a^4*b^2*c^2*e*j^3*k*m + 9*a^4*b^2*c^2*d*j^3*1*m + 9*a^ \\
& 4*b*c^3*f^2*h^2*1*m + 9*a^4*b*c^3*e^2*j*k^2*m + 9*a^4*b*c^3*d^2*j*1^2*m - 3 \\
& *a^3*b^3*c^2*g^3*h*k*m - 3*a^3*b^2*c^3*f^3*j*k*1 + 3*a^2*b^4*c^2*f^3*j*k*1 \\
& + 45*a^4*b*c^3*d^2*j*k*m^2 - 27*a^5*b*c^2*d*j*k^2*m^2 + 18*a^5*b*c^2*g*h*j^ \\
& 2*m^2 + 18*a^4*b*c^3*e^2*j*k*1^2 + 15*a^2*b^3*c^3*e^3*j*k*1 - 12*a^3*b^2*c^ \\
& 3*f^3*h*k*m - 12*a^3*b^2*c^3*f^3*g*1*m + 9*a^5*b*c^2*g*h*k^2*1^2 - 9*a^4*b^ \\
& 3*c*g*h*j^2*m^2 + 9*a^4*b^3*c*d*j*k^2*m^2 + 9*a^4*b^2*c^2*g*h*j^3*m + 9*a^4 \\
& *b*c^3*g^2*h^2*k*1 + 9*a^4*b*c^3*g^2*h^2*j*m + 9*a^2*b^5*c*d^2*j*k*m^2 + 3* \\
& a^2*b^4*c^2*f^3*h*k*m + 3*a^2*b^4*c^2*f^3*g*1*m + 36*a^2*b^2*c^4*d^3*j*k*1 \\
& + 18*a^4*b*c^3*e^2*g*1^2*m + 15*a^2*b^3*c^3*e^3*g*1*m + 12*a^4*b^2*c^2*d*j* \\
& k^3*1 + 9*a^5*b*c^2*f*g*k^2*m^2 + 9*a^5*b*c^2*e*h*k^2*m^2 + 9*a^4*b*c^3*g^2 \\
& *h*j^2*1 + 9*a^4*b*c^3*f^2*h*k^2*1 + 9*a^4*b*c^3*f^2*g*k^2*m + 9*a^4*b*c^3* \\
& d^2*h*1*m^2 - 9*a^3*b^3*c^2*e*h^3*k*m + 6*a^2*b^3*c^3*e^3*h*k*m + 45*a^4*b* \\
& c^3*e^2*h*j*m^2 + 36*a^2*b^2*c^4*d^3*h*k*m - 33*a^3*b^2*c^3*d*g^3*1*m - 27* \\
& a^4*b*c^3*f^2*h*j*1^2 - 27*a^4*b*c^3*e^2*f*1*m^2 - 27*a^4*b*c^3*e*h^2*j^2*m \\
& - 18*a^4*b*c^3*g^2*h*j*k^2 - 18*a^4*b*c^3*f*g^2*k^2*1 - 18*a^4*b*c^3*e*g^2 \\
& *k^2*m - 18*a^3*b*c^4*d^2*g^2*1*m + 12*a^4*b^2*c^2*d*h*k^3*m + 9*a^5*b*c^2* \\
& e*f*1^2*m^2 + 9*a^5*b*c^2*d*g*1^2*m^2 + 9*a^4*b*c^3*f^2*g*k*1^2 + 9*a^4*b*c \\
& ^3*e^2*g*k*m^2 + 9*a^4*b*c^3*g*h^2*j^2*k + 9*a^4*b*c^3*f*h^2*j^2*1 + 9*a^4* \\
& b*c^3*e*f^2*1^2*m - 9*a^3*b^4*c*e*h^2*j*m^2 + 9*a^3*b*c^4*e^2*f^2*1*m + 9*a \\
& ^2*b^5*c*e^2*h*j*m^2 + 9*a^2*b^4*c^2*d*g^3*1*m - 9*a^2*b^2*c^4*d^3*g*1*m - \\
& 9*a*b^5*c^2*d^2*g^2*1*m - 6*a^4*b^2*c^2*e*h*k^3*1 - 6*a^3*b^2*c^3*f*g^3*j*m \\
& + 3*a^4*b^2*c^2*g*h*j*k^3 + 3*a^4*b^2*c^2*f*g*k^3*1 + 3*a^4*b^2*c^2*e*g*k^ \\
& 3*m + 3*a^3*b^2*c^3*g^3*h*j*k + 3*a^3*b^2*c^3*f*g^3*k*1 + 3*a^3*b^2*c^3*e*g \\
& ^3*k*m - 27*a^3*b*c^4*d^2*h^2*k*1 + 18*a^4*b*c^3*e*f^2*k*m^2 + 18*a^4*b*c^3 \\
& *d*f^2*1*m^2 + 9*a^4*b*c^3*f*h^2*j*k^2 + 9*a^4*b*c^3*f*g^2*j*1^2 + 9*a^4*b* \\
& c^3*e*g^2*k*1^2 + 9*a^4*b*c^3*d*h^2*k^2*1 + 9*a^3*b^4*c*e*g*j^2*m^2 + 9*a^3 \\
& *b^4*c*d*h*j^2*m^2 - 9*a^3*b^3*c^2*e*g*j^3*m - 9*a^3*b^3*c^2*d*h*j^3*m + 9*
\end{aligned}$$

$$\begin{aligned}
& a^3 b^3 c^4 e^2 g^2 k^1 + 9 a^3 b^3 c^4 e^2 g^2 j^1 m + 9 a^3 b^3 c^4 d^2 h^2 j^1 m - \\
& 3 a^2 b^3 c^3 f^3 h^1 j^1 k - 3 a^2 b^3 c^3 f^3 g^1 j^1 - 3 a^2 b^3 c^3 e f^3 k^1 m - 3 a^2 b^3 c^3 d f^3 l^1 m + 45 a^4 b^3 c^3 d g^2 j^1 m^2 + 45 a^3 b^3 c^4 d^2 g^2 \\
& j^2 m + 24 a^4 b^2 c^2 d g^2 k^1 l^3 + 24 a^2 b^2 c^4 e^3 f^1 j^1 m + 18 a^4 b^3 c^3 \\
& f^2 g^1 h^1 m^2 + 18 a^4 b^3 c^3 d h^2 j^1 l^2 + 18 a^3 b^3 c^4 e^2 h^2 j^1 k - 12 a^4 \\
& b^2 c^2 e g^1 j^1 l^3 - 12 a^4 b^2 c^2 e f^1 k^1 l^3 - 12 a^4 b^2 c^2 d e^1 l^3 m - \\
& 12 a^2 b^2 c^4 e^3 g^1 j^1 - 12 a^2 b^2 c^4 e^3 f^1 k^1 - 12 a^2 b^2 c^4 d e^3 \\
& l^1 m + 9 a^4 b^3 c^3 f^1 g^1 j^2 k^2 + 9 a^4 b^3 c^3 e h^1 j^2 k^2 + 9 a^3 b^2 c^3 e h^1 \\
& j^1 k + 9 a^3 b^2 c^3 d h^3 j^1 + 9 a^3 b^3 c^4 f^2 g^2 j^1 k + 9 a^3 b^3 c^4 d^2 \\
& h^1 j^2 l^1 + 9 a^2 b^5 c^3 d g^2 j^1 m^2 + 9 a^2 b^5 c^2 d^2 g^1 j^2 m - 3 a^4 b^2 c^2 \\
& d^2 h^1 j^1 l^3 - 3 a^2 b^3 c^3 f^3 g^1 h^1 m - 3 a^2 b^2 c^4 e^3 h^1 j^1 k + 18 a^4 b^3 \\
& c^3 f^1 g^1 h^2 l^1 + 18 a^3 b^3 c^4 e^2 g^1 h^2 m + 18 a^3 b^3 c^4 d^2 h^1 j^1 k^2 + 18 \\
& a^3 b^3 c^4 d^2 f^1 k^2 l^1 + 18 a^3 b^3 c^4 d^2 e^1 k^2 m + 9 a^4 b^3 c^3 e g^2 h^1 m^2 \\
& + 9 a^4 b^3 c^3 e f^1 j^2 l^1 + 9 a^4 b^3 c^3 d g^2 j^2 l^1 + 9 a^3 b^2 c^3 f^1 g^1 h^1 \\
& l^3 + 9 a^3 b^2 c^3 e g^1 h^3 m + 9 a^3 b^3 c^4 f^2 g^2 h^1 + 9 a^3 b^3 c^4 e^2 g^2 \\
& j^2 k + 9 a^3 b^3 c^4 e^2 f^1 j^2 l^1 - 9 a^2 b^3 c^3 d g^3 j^1 + 9 a^2 b^4 c^3 d^2 \\
& g^2 j^1 - 3 a^4 b^2 c^2 f^1 g^1 h^1 l^3 - 3 a^3 b^3 c^2 e g^1 j^1 k^3 - 3 a^3 b^3 c^2 \\
& d^2 h^1 j^1 k^3 - 3 a^3 b^3 c^2 d f^1 k^3 l^1 - 3 a^3 b^3 c^2 d e^1 k^3 m - 3 a^2 b^2 \\
& c^4 e^3 g^1 h^1 m - 33 a^3 b^2 c^3 d e^1 j^3 m - 27 a^4 b^3 c^3 e f^1 h^2 m^2 - 27 a^3 \\
& b^3 c^4 d^2 e^1 k^1 l^2 - 18 a^4 b^3 c^3 d e^1 j^2 m^2 - 18 a^3 b^3 c^4 e f^2 j^2 k \\
& - 18 a^3 b^3 c^4 d f^2 j^2 l^1 - 9 a^4 b^2 c^2 d e^1 j^1 m^3 + 9 a^4 b^3 c^3 d g^1 h^2 \\
& m^2 + 9 a^4 b^3 c^3 d e^1 k^2 l^1 + 9 a^3 b^3 c^4 f^2 g^1 h^2 k + 9 a^3 b^3 c^4 e^2 f^1 \\
& j^1 k^2 + 9 a^3 b^3 c^4 d^2 f^1 j^1 l^2 + 9 a^3 b^3 c^4 e f^2 h^2 m + 9 a^3 b^3 c^4 d \\
& e^2 k^2 l^1 - 9 a^2 b^5 c^3 d e^1 j^2 m^2 + 9 a^2 b^4 c^2 d e^1 j^3 m - 9 a^2 b^3 c^3 \\
& d g^3 h^1 m + 9 a^2 b^3 c^5 d^2 e^2 k^1 + 9 a^2 b^3 c^5 d^2 e^2 j^1 m + 9 a^2 b^4 \\
& c^3 d^2 g^2 h^1 m - 6 a^3 b^2 c^3 d g^1 j^3 k - 3 a^3 b^3 c^2 f^1 g^1 h^1 k^3 + 3 a^3 \\
& b^2 c^3 e f^1 j^3 k + 3 a^3 b^2 c^3 d f^1 j^3 l^1 + 3 a^2 b^2 c^4 e f^3 j^1 k + 3 \\
& a^2 b^2 c^4 d f^3 j^1 l^1 + 45 a^3 b^3 c^4 d^2 g^1 h^1 l^2 + 36 a^4 b^2 c^2 e f^1 g^1 m^3 \\
& + 36 a^4 b^2 c^2 d f^1 h^1 m^3 - 27 a^3 b^3 c^4 e^2 g^1 h^1 k^2 - 27 a^3 b^3 c^4 d g^2 \\
& h^2 l^1 - 18 a^3 b^3 c^4 f^2 g^1 h^1 j^2 + 18 a^3 b^3 c^4 d e^2 j^1 l^2 + 15 a^3 b^3 c^3 \\
& d^2 e^1 j^1 l^3 + 12 a^2 b^2 c^4 e f^3 g^1 m + 12 a^2 b^2 c^4 d f^3 h^1 m + 9 a^3 \\
& b^3 c^4 f^1 g^2 h^2 j + 9 a^3 b^3 c^4 e g^2 h^2 k + 9 a^3 b^3 c^4 d f^2 j^1 k^2 + 9 a^2 \\
& b^3 c^5 d^2 f^2 j^1 k + 9 a^2 b^5 c^2 d^2 g^1 h^1 l^2 - 9 a^2 b^4 c^3 d^2 g^1 h^2 l^1 - \\
& 6 a^2 b^2 c^4 e f^3 h^1 + 3 a^3 b^2 c^3 f^1 g^1 h^1 j^3 + 3 a^2 b^2 c^4 f^3 g^1 h^1 \\
& j + 45 a^3 b^3 c^4 d^2 f^1 g^1 m^2 - 27 a^2 b^3 c^5 d^2 f^2 g^1 m + 18 a^3 b^3 c^4 e^2 f^1 \\
& g^1 l^2 + 15 a^3 b^3 c^2 e f^1 g^1 l^3 - 12 a^3 b^2 c^3 d e^1 j^1 k^3 + 9 a^3 b^3 c^4 \\
& d^2 e^1 h^1 m^2 + 9 a^3 b^3 c^4 e g^2 h^1 j^2 + 9 a^3 b^3 c^4 e f^2 h^1 k^2 - 9 a^2 b^3 \\
& c^3 d f^1 h^3 l^1 + 9 a^2 b^3 c^5 d^2 f^2 h^1 l^1 + 9 a^2 b^5 c^2 d^2 f^1 g^1 m^2 + 9 a^2 b^3 \\
& c^4 d^2 f^2 g^1 m + 6 a^3 b^3 c^2 d f^1 h^1 l^3 + 3 a^2 b^4 c^2 d e^1 j^1 k^3 + 18 \\
& a^3 b^3 c^4 e f^1 g^2 k^2 + 18 a^2 b^3 c^5 d^2 g^2 h^1 j + 18 a^2 b^3 c^5 d^2 f^1 g^2 \\
& l^1 + 18 a^2 b^3 c^5 d^2 e^1 g^2 m - 12 a^3 b^2 c^3 d f^1 h^1 k^3 + 9 a^3 b^3 c^4 e f^1 h^1 \\
& j^2 + 9 a^3 b^3 c^4 d f^2 g^1 l^2 + 9 a^3 b^3 c^4 d e^2 g^1 m^2 + 9 a^3 b^3 c^4 d \\
& g^1 h^2 j^2 + 9 a^2 b^2 c^4 e f^1 g^3 k + 9 a^2 b^2 c^4 d g^3 h^1 j + 9 a^2 b^2 c^4 \\
& d f^1 g^3 l^1 + 9 a^2 b^2 c^4 d e^1 g^3 m + 9 a^2 b^3 c^5 e^2 f^2 h^1 j + 9 a^2 b^3 \\
& c^5 e^2 f^2 g^1 k - 9 a^2 b^3 c^4 d^2 g^2 h^1 j - 9 a^2 b^3 c^4 d^2 f^1 g^2 l^1 - 9 a^2 b^3 \\
& c^4 d^2 e^1 g^2 m - 3 a^3 b^2 c^3 e f^1 g^1 k^3 + 3 a^2 b^4 c^2 e f^1 g^1 k^3 + 3 a^2 \\
& b^4 c^2 d f^1 h^1 k^3 - 54 a^3 b^3 c^4 d e^1 f^2 m^2 - 51 a^3 b^3 c^2 d e^1 f^1 m^3 \\
& - 27 a^3 b^3 c^4 d e^1 g^2 l^1 + 9 a^3 b^3 c^4 d e^1 h^2 k^2 + 9 a^2 b^3 c^5 e^2 f^1 g^2 \\
& j + 9 a^2 b^3 c^5 d^2 f^1 h^2 j + 9 a^2 b^3 c^5 d^2 e^1 h^2 k + 9 a^2 b^3 c^5 d e^1 \\
& g^2 l^1 - 9 a^2 b^5 c^2 d e^1 f^2 m^2 - 9 a^2 b^4 c^3 d^2 e^1 g^1 l^2 - 9 a^2 b^2 c^5 d \\
& e^2 g^1 l^1 - 9 a^2 b^2 c^5 d^2 e^2 f^1 m - 3 a^2 b^3 c^3 e f^1 g^1 j^3 - 3 a^2 b^3 c^3 \\
& d f^1 h^1 j^3 + 36 a^3 b^2 c^3 d e^1 f^1 l^3 - 27 a^2 b^3 c^5 d^2 f^1 g^1 j^2 - 18 a^2 \\
& b^4 c^2 d e^1 f^1 l^3 - 18 a^2 b^3 c^5 d e^2 h^2 j + 9 a^2 b^3 c^5 d^2 e^1 h^1 j^2 + \\
& 9 a^2 b^3 c^5 d f^2 g^2 j + 9 a^2 b^4 c^3 d e^2 f^1 l^2 + 9 a^2 b^3 c^4 d^2 f^1 g^1 j^2 \\
& - 9 a^2 b^2 c^5 d^2 f^2 g^1 j - 9 a^2 b^2 c^5 d^2 e^1 f^2 l^1 + 3 a^2 b^2 c^4 d e^1 h^1 \\
& j^3 - 18 a^2 b^3 c^5 e^2 f^1 g^1 h^2 + 18 a^2 b^3 c^5 d^2 e^1 f^1 k^2 + 15 a^2 b^3 c^3 \\
& d e^1 f^1 k^3 + 9 a^2 b^3 c^5 e f^2 g^2 h^1 + 9 a^2 b^3 c^5 d e^2 g^1 j^2 - 9 a^2 b^3 c^4 \\
& d^2 e^1 f^1 k^2 + 9 a^2 b^2 c^5 d^2 e^1 g^2 j - 9 a^2 b^2 c^5 d e^2 f^2 k + 3 a^2 b^2 \\
& c^4 e f^1 g^1 h^3 + 18 a^2 b^3 c^5 d e^1 f^2 j^2 + 9 a^2 b^3 c^5 d f^2 g^1 h^2 - 9 a^2
\end{aligned}$$

$$\begin{aligned}
& b^3c^4d^2ef^2j^2 + 9a^2b^2c^5d^2f^2g^2h - 3a^2b^2c^4d^2ef^2j^3 + 9 \\
& a^2b^2c^5d^2ef^2g^2h^2 - 9a^2b^2c^5d^2ef^2g^2h^2 + 9a^2b^2c^5d^2ef^2h^2 \\
& - 36a^6c^2f^2jk^2l^2m^2 + 36a^5c^3f^2jk^2l^2m - 36a^5c^3f^2h^2j^2l^2m \\
& + 36a^5c^3ef^2j^2l^2m - 18a^6b^2c^2jk^2l^2m^2 + 9a^6b^2c^2jk^2l^2m^2 + \\
& 3a^5b^2c^2jk^2l^2m - 36a^5c^3f^2g^2jk^2l^2m - 36a^5c^3ef^2k^2l^2m + \\
& 36a^5c^3d^2g^2k^2l^2m - 36a^4c^4d^2g^2k^2l^2m - 36a^5c^3ef^2h^2jk^2l^2 - \\
& 36a^5c^3ef^2j^2l^2m - 36a^5c^3d^2f^2k^2l^2m + 36a^4c^4e^2h^2jk^2l^2 + \\
& 36a^4c^4e^2f^2j^2l^2m + 9a^6b^2c^2h^2k^2l^2m^2 - 3a^4b^3c^2h^3k^2l^2m - 36 \\
& a^5c^3ef^2g^2h^2l^2m + 36a^5c^3ef^2jk^2l^2m - 36a^5c^3d^2g^2jk^2l^2m + 36 \\
& a^5c^3d^2f^2j^2l^2m - 36a^5c^3d^2ef^2k^2l^2m + 36a^4c^4e^2g^2h^2l^2m - 36 \\
& a^4c^4e^2f^2jk^2l^2m - 36a^4c^4d^2f^2j^2l^2m + 9a^6b^2c^2h^2j^2l^2m^2 + 9a \\
& ^6b^2c^2g^2k^2l^2m^2 + 9a^5b^2c^2g^2k^3l^2m + 3a^3b^4c^2g^3k^2l^2m + 36a^5 \\
& c^3f^2g^2h^2j^2l^2m + 36a^5c^3ef^2h^2l^2m - 36a^4c^4f^2g^2h^2j^2l^2m - 36a^4 \\
& c^4e^2f^2h^2l^2m - 24a^4b^2c^3f^3k^2l^2m - 12a^5b^2c^2h^2j^3k^2l^2m - 12a^5 \\
& b^2c^2g^2j^3l^2m - 3a^2b^5c^2f^3k^2l^2m - 36a^4c^4e^2g^2h^2k^2l^2 - 36a^4c^4 \\
& e^2f^2g^2l^2m + 12a^5b^2c^2ef^2k^2l^3m - 6a^5b^2c^2ef^2j^2l^3m + 3a^5b^2 \\
& c^2h^2jk^2l^3 + 48a^3b^2c^4d^3k^2l^2m + 36a^4c^4e^2f^2h^2j^2l^2m + 36a^4c^4 \\
& d^2g^2h^2k^2l^2 - 36a^4c^4d^2f^2h^2k^2l^2m - 36a^4c^4d^2ef^2j^2k^2l^2 + 24a^5b^2 \\
& c^2d^2k^3l^2m + 21a^5b^2c^2d^3k^2l^2m - 12a^5b^2c^2g^2jk^3l^2 - 9a^4b^3 \\
& c^2d^2k^3l^2m + 6a^5b^2c^2f^2jk^3l^2m + 3a^5b^2c^2g^2h^2l^3m - 36a^4c^4e \\
& f^2h^2j^2l^2 - 12a^5b^2c^2g^2h^2k^3m - 3a^5b^2c^2ef^2jk^2l^3m - 3a^5b^2c^2d \\
& j^2l^3m - 36a^4c^4d^2g^2h^2jk^2 - 36a^4c^4d^2f^2g^2k^2l^2 - 36a^4c^4d^2e \\
& h^2k^2l^2 - 36a^4c^4d^2ef^2g^2k^2l^2m + 36a^3c^5d^2g^2h^2jk^2l^2 + 36a^3c^5d^2 \\
& f^2g^2k^2l^2 - 36a^3c^5d^2f^2g^2j^2l^2m + 36a^3c^5d^2ef^2h^2k^2l^2 + 36a^3c^5d^2 \\
& ef^2g^2k^2l^2m - 36a^3c^5d^2ef^2l^2m + 24a^5b^2c^2ef^2h^2l^2m^3 - 24a^3b^2c^4ef^2 \\
& j^2k^2l^2 - 12a^5b^2c^2ef^2h^2k^2l^3m - 12a^5b^2c^2ef^2g^2l^2m^3 - 3a^5b^2c^2g^2 \\
& h^2j^2l^3m - 3a^4b^3c^2ef^2jk^2l^3 - 3a^4b^3c^2ef^2j^2k^2l^3 + 36a^4c^4d^2ef^2h^2 \\
& j^2l^2 + 36a^4c^4d^2ef^2g^2k^2l^2 - 36a^3c^5d^2ef^2h^2j^2l^2 - 36a^3c^5d^2ef^2 \\
& g^2k^2l^2 - 36a^3c^5d^2ef^2f^2k^2l^2m + 24a^4b^2c^3ef^2h^3k^2l^2m - 24a^3b^2c^4ef^3 \\
& g^2l^2m - 18a^4b^2c^3d^3j^2k^2l^2 - 12a^4b^2c^3g^2h^3j^2l^2 - 12a^4b^2c^3f^2h^3 \\
& k^2l^2 - 12a^4b^2c^3d^2h^3l^2m + 12a^3b^2c^4ef^3h^2k^2l^2m + 6a^4b^2c^3f^2h^3 \\
& j^2l^2m - 3a^4b^3c^2g^2h^2j^2l^3 - 3a^4b^3c^2f^2h^2k^2l^3 - 3a^4b^3c^2ef^2g^2l^3 \\
& m - 3a^4b^3c^2d^2h^2l^3m - 3a^4b^3c^2ef^2h^2k^2l^3m - 3a^4b^3c^2ef^2g^2l^3m + \\
& 36a^4c^4ef^2g^2h^2l^2 - 36a^4c^4d^2ef^2j^2l^2m - 36a^3c^5ef^2f^2g^2h^2l^2 - \\
& 36a^3c^5d^2f^2g^2j^2k^2l^2 - 36a^3c^5d^2ef^2k^2l^2 + 36a^3c^5d^2ef^2j^2l^2m - \\
& 18a^4b^2c^3d^3h^2k^2l^2m - 9a^4b^2c^3d^3g^2l^2m + 30a^5b^2c^2d^2g^2k^2l^3 - \\
& 30a^4b^3c^2d^2g^2k^2l^3 - 24a^5b^2c^2ef^2k^2l^3m - 24a^5b^2c^2d^2f^2l^2m^3 + \\
& 24a^4b^2c^3ef^2g^2j^2l^3m + 24a^4b^2c^3d^2h^2j^2l^3m + 15a^4b^3c^2ef^2k^2l^3m + \\
& 15a^4b^3c^2d^2f^2l^2m^3 + 12a^5b^2c^2ef^2g^2j^2l^3m + 12a^5b^2c^2d^2h^2j^2l^3m - \\
& 12a^4b^2c^3f^2h^2j^2l^3k^2 - 12a^4b^2c^3f^2g^2j^2l^3 + 6a^4b^3c^2ef^2g^2j^2l^3 + 6 \\
& a^4b^3c^2d^2h^2j^2l^3 + 6a^4b^2c^3ef^2h^2j^2l^3 + 36a^3c^5d^2ef^2g^2h^2l^2 - 24a^5 \\
& b^2c^2f^2g^2h^2l^3 + 15a^4b^3c^2f^2g^2h^2l^3 - 9a^4b^6c^2d^2g^2j^2l^2 - 6a^4 \\
& b^4c^2d^2g^2k^2l^3 - 6a^4b^4c^3ef^2f^2j^2l^2m + 3a^3b^4c^2ef^2g^2j^2l^3 + 3a^3b^4 \\
& c^2ef^2k^2l^3 + 3a^3b^4c^2d^2h^2j^2l^3 + 3a^3b^4c^2d^2ef^2l^3m + 3a^4b^4c^2 \\
& ef^2h^2j^2k^2 + 3a^4b^4c^2ef^2g^2j^2l^2 + 3a^4b^4c^2ef^2f^2k^2l^2 + 3a^4b^4c^2d \\
& ef^2l^2m - 36a^3c^5d^2ef^2g^2h^2k^2 + 30a^2b^2c^5d^3f^2j^2l^2m - 30a^4b^3c^4d^3 \\
& f^2j^2l^2m + 24a^3b^2c^4d^2g^3j^2l^2 - 24a^2b^2c^5d^3h^2j^2k^2 - 24a^2b^2c^5d^3 \\
& f^2k^2l^2 - 24a^2b^2c^5d^3ef^2k^2l^2m + 15a^4b^3c^4d^3h^2j^2k^2 + 15a^4b^3c^4d^3 \\
& f^2k^2l^2 + 15a^4b^3c^4d^3ef^2k^2l^2m - 12a^3b^2c^4ef^2g^3j^2k^2 + 12a^2b^2c^5d^3 \\
& g^2j^2l^2 + 6a^4b^3c^4d^3g^2j^2l^2 + 3a^3b^4c^2f^2g^2h^2l^3 + 3a^4b^4c^3ef^2g^2 \\
& g^2h^2l^2m + 24a^3b^2c^4d^2g^3h^2l^2m - 12a^3b^2c^4f^2g^3h^2k^2 + 12a^2b^2c^5d^3 \\
& g^2h^2l^2m - 9a^3b^4c^2d^2ef^2j^2l^3 + 6a^3b^2c^4ef^2g^3h^2l^2 + 6a^4b^3c^4d^3g^2h^2 \\
& l^2m + 36a^3c^5d^2ef^2g^2k^2l^2 - 36a^2c^6d^2ef^2g^2k^2l^2 - 24a^4b^2c^3d^2ef^2j^2l^3 \\
& - 18a^3b^4c^2ef^2g^2l^3m - 18a^3b^4c^2d^2f^2h^2l^3m - 3a^2b^5c^2d^2ef^2j^2l^3 \\
& - 3a^4b^3c^4d^2ef^2j^2l^3 - 24a^4b^2c^3ef^2f^2g^2l^3 + 24a^3b^2c^4d^2f^2h^3l^2 \\
& + 12a^4b^2c^3d^2f^2h^2l^3 - 12a^3b^2c^4ef^2g^2h^3j^2l^2 - 12a^3b^2c^4ef^2h^3k^2 \\
& - 12a^3b^2c^4d^2ef^2h^3l^2m - 12a^4b^2c^5d^3ef^2j^2k^2 + 6a^3b^2c^4d^2g^2h^3k^2 \\
& - 3a^2b^5c^2ef^2g^2l^3 - 3a^2b^5c^2d^2f^2h^2l^3 - 3a^4b^3c^4ef^2g^2h^2j^2l^2 - 3 \\
& a^4b^3c^4ef^2f^2h^2k^2 - 3a^4b^3c^4ef^2f^2g^2l^2 - 3a^4b^3c^4d^2ef^2h^2l^2m + 24a
\end{aligned}$$

$$\begin{aligned}
& *b^2*c^5*d^3*e*h*1 - 12*a*b^2*c^5*d^3*f*h*k - 3*a*b^2*c^5*d^3*g*h*j - 3*a*b^2*c^5*d^3*f*g*1 - 3*a*b^2*c^5*d^3*e*g*m + 48*a^4*b*c^3*d*e*f*m^3 + 24*a^2*b*c^5*d*e*f^3*m + 21*a^2*b^5*c*d*e*f*m^3 - 12*a^2*b*c^5*e*f^3*g*j - 12*a^2*b*c^5*d*f^3*h*j - 9*a*b^3*c^4*d*e*f^3*m + 6*a^2*b*c^5*d*f^3*g*k + 12*a*b^2*c^5*d*e^3*f*1 - 6*a*b^2*c^5*d*e^3*g*k + 3*a*b^2*c^5*d*e^3*h*j - 24*a^3*b*c^4*d*e*f*k^3 - 12*a^2*b*c^5*d*e*g^3*j - 3*a*b^5*c^2*d*e*f*k^3 + 3*a*b^2*c^5*e^3*f*g*h - 12*a^2*b*c^5*d*f*g^3*h + 9*a*b^2*c^5*d*e*f^3*j + 9*a*b*c^6*d^2*e^2*f*j + 3*a*b^4*c^3*d*e*f*j^3 + 9*a*b*c^6*d^2*e^2*g*h + 9*a*b*c^6*d^2*e*f^2*h - 3*a*b^3*c^4*d*e*f*h^3 - 18*a*b*c^6*d^2*e*f*g^2 + 9*a*b*c^6*d^2*e*f^2*g + 3*a*b^2*c^5*d*e*f*g^3 - 36*a^4*b^2*c^2*e^2*k*1^2*m - 9*a^4*b^2*c^2*g^2*j^2*k*m + 45*a^3*b^3*c^2*d^2*k^2*1*m + 36*a^4*b^2*c^2*e^2*j*1*m^2 + 9*a^4*b^2*c^2*g^2*j*k^2*1 + 9*a^3*b^3*c^2*e^2*j^2*1*m + 9*a^4*b^2*c^2*g^2*h*k^2*m - 9*a^4*b^2*c^2*f^2*h*1^2*m - 9*a^3*b^3*c^2*f^2*j^2*k*1 - 45*a^3*b^3*c^2*d^2*j*k*m^2 + 36*a^3*b^2*c^3*d^2*j^2*k*m + 18*a^4*b^2*c^2*f^2*h*k*m^2 + 18*a^4*b^2*c^2*f^2*g*1*m^2 - 9*a^4*b^2*c^2*g^2*h*k*1^2 - 9*a^4*b^2*c^2*f*h^2*k^2*m - 9*a^4*b^2*c^2*f*g^2*1^2*m - 9*a^4*b^2*c^2*e*j^2*k^2*1 - 9*a^4*b^2*c^2*d*j^2*k^2*m - 9*a^3*b^3*c^2*e^2*j*k*1^2 - 9*a^2*b^4*c^2*d^2*j^2*k*m - 36*a^3*b^2*c^3*d^2*j*k^2*1 - 27*a^3*b^2*c^3*e^2*h^2*k*m + 9*a^4*b^2*c^2*g*h^2*j*1^2 + 9*a^4*b^2*c^2*f*h^2*k*1^2 - 9*a^4*b^2*c^2*f*g^2*k*m^2 - 9*a^4*b^2*c^2*e*g^2*1*m^2 - 9*a^4*b^2*c^2*d*j^2*k*1^2 + 9*a^4*b^2*c^2*d*h^2*1^2*m - 9*a^3*b^3*c^2*e^2*g*1^2*m + 9*a^2*b^4*c^2*e^2*h^2*k*m + 9*a^2*b^4*c^2*d^2*j*k^2*1 - 45*a^3*b^3*c^2*e^2*h*j*m^2 + 36*a^4*b^2*c^2*e*h^2*j*m^2 + 36*a^3*b^2*c^3*e^2*h*j^2*m - 36*a^3*b^2*c^3*d^2*h*k^2*m + 36*a^2*b^3*c^3*d^2*g^2*1*m - 9*a^4*b^2*c^2*f*h*j^2*1^2 - 9*a^4*b^2*c^2*d*h^2*k*m^2 + 9*a^3*b^3*c^2*f^2*h*j*1^2 + 9*a^3*b^3*c^2*e^2*f*1*m^2 + 9*a^3*b^3*c^2*e*h^2*j^2*m - 9*a^3*b^2*c^3*f^2*h^2*j*1 - 9*a^2*b^4*c^2*e^2*h*j^2*m + 9*a^2*b^4*c^2*d^2*h*k^2*m + 36*a^3*b^2*c^3*d^2*h*k*1^2 - 27*a^4*b^2*c^2*e*g*j^2*m^2 - 27*a^4*b^2*c^2*d*h*j^2*m^2 - 9*a^4*b^2*c^2*d*h*k^2*1^2 - 9*a^3*b^3*c^2*e*f^2*k*m^2 - 9*a^3*b^3*c^2*d*f^2*1*m^2 + 9*a^3*b^2*c^3*f^2*h*j^2*k + 9*a^3*b^2*c^3*f^2*g*j^2*1 - 9*a^3*b^2*c^3*e^2*g*k^2*1 - 9*a^3*b^2*c^3*e^2*f*k^2*m - 9*a^3*b^2*c^3*d^2*f*1^2*m - 9*a^2*b^4*c^2*d^2*h*k*1^2 + 9*a^2*b^3*c^3*d^2*h^2*k*1 - 81*a^3*b^2*c^3*d^2*g*j*m^2 + 54*a^2*b^4*c^2*d^2*g*j*m^2 - 45*a^3*b^3*c^2*d*g^2*j*m^2 - 45*a^2*b^3*c^3*d^2*g*j^2*m + 36*a^3*b^2*c^3*d^2*f*k*m^2 + 36*a^3*b^2*c^3*d*g^2*j^2*m + 18*a^3*b^2*c^3*e^2*g*j*1^2 + 18*a^3*b^2*c^3*e^2*f*k*1^2 + 18*a^3*b^2*c^3*d*e^2*1^2*m - 9*a^4*b^2*c^2*d*f*k^2*m^2 - 9*a^3*b^3*c^2*f^2*g*h*m^2 - 9*a^3*b^3*c^2*d*h^2*j*1^2 - 9*a^3*b^2*c^3*f^2*g*j*k^2 - 9*a^3*b^2*c^3*d^2*e*1*m^2 - 9*a^3*b^2*c^3*f*g^2*h^2*m - 9*a^3*b^2*c^3*e*g^2*j^2*1 - 9*a^3*b^2*c^3*e*f^2*k^2*1 - 9*a^2*b^4*c^2*d^2*f*k*m^2 - 9*a^2*b^4*c^2*d*g^2*j^2*m - 9*a^2*b^3*c^3*e^2*h^2*j*k - 9*a^2*b^2*c^4*d^2*f^2*k*m - 27*a^2*b^2*c^4*d^2*g^2*j*1 - 9*a^3*b^3*c^2*f*g*h^2*1^2 + 9*a^3*b^2*c^3*e*g^2*j*k^2 - 9*a^3*b^2*c^3*e*f^2*j*1^2 - 9*a^3*b^2*c^3*d*h^2*j^2*k - 9*a^3*b^2*c^3*d*f^2*k*1^2 - 9*a^3*b^2*c^3*d*e^2*k*m^2 - 9*a^2*b^3*c^3*e^2*g*h^2*m - 9*a^2*b^3*c^3*d^2*h*j*k^2 - 9*a^2*b^3*c^3*d^2*f*k^2*1 - 9*a^2*b^3*c^3*d^2*e*k^2*m + 36*a^3*b^3*c^2*d*e*j^2*m^2 + 36*a^3*b^2*c^3*e^2*f*h*m^2 - 27*a^2*b^2*c^4*d^2*g^2*h*m + 9*a^3*b^3*c^2*e*f*h^2*m^2 + 9*a^3*b^2*c^3*f*g^2*h*k^2 - 9*a^2*b^4*c^2*e^2*f*h*m^2 + 9*a^2*b^3*c^3*d^2*e*k*1^2 - 9*a^2*b^2*c^4*e^2*f^2*h*m - 45*a^2*b^3*c^3*d^2*g*h*1^2 - 36*a^3*b^2*c^3*e*f^2*g*m^2 + 36*a^3*b^2*c^3*d*g^2*h*1^2 - 36*a^3*b^2*c^3*d*f^2*h*m^2 + 36*a^2*b^2*c^4*d^2*g*h^2*1 - 9*a^3*b^2*c^3*e*g*h^2*k^2 + 9*a^2*b^4*c^2*e*f^2*g*m^2 - 9*a^2*b^4*c^2*d*g^2*h*1^2 + 9*a^2*b^4*c^2*d*f^2*h*m^2 + 9*a^2*b^3*c^3*e^2*g*h*k^2 + 9*a^2*b^3*c^3*d*g^2*h^2*1 - 9*a^2*b^3*c^3*d*e^2*j*1^2 - 9*a^2*b^2*c^4*e^2*g^2*h*k - 9*a^2*b^2*c^4*b^2*c^4*e^2*f*g^2*m - 9*a^2*b^2*c^4*d^2*f*j^2*k - 9*a^2*b^2*c^4*d^2*f*h^2*m - 9*a^2*b^2*c^4*d^2*e*j^2*1 - 45*a^2*b^3*c^3*d^2*f*g*m^2 + 36*a^3*b^2*c^3*d*f*g^2*m^2 - 27*a^3*b^2*c^3*d*f*h^2*1^2 + 18*a^2*b^2*c^4*d^2*e*j*k^2 + 9*a^2*b^4*c^2*d*f*h^2*1^2 - 9*a^2*b^4*c^2*d*f*g^2*m^2 - 9*a^2*b^3*c^3*e^2*f*g*1^2 + 9*a^2*b^2*c^4*e^2*g*h^2*j + 9*a^2*b^2*c^4*e^2*f*h^2*k - 9*a^2*b^2*c^4*e*f^2*g^2*1 - 9*a^2*b^2*c^4*d*f^2*g^2*m - 9*a^2*b^2*c^4*d*e^2*j^2*k + 9*a^2*b^2*c^4*d*e^2*h^2*m + 18*a^4*b^2*c^2*f^2*j^2*m^2 + 18*a^3*b^2*c^3*e^2*h^2*1^2 - 9*a^2*b^4*c^2*e^2*h^2*1^2 + 18*a^2*b^2*c^4*d^2*g^2*k^2 + 12*a^6*c^2*
\end{aligned}$$

$$\begin{aligned}
& j^3 k^1 m + 3a^6 b^2 j^2 k^1 m^3 - 12a^6 c^2 g^2 k^3 l^1 m - 12a^5 c^3 g^3 k^1 l^1 m - 24a^6 c^2 e^2 k^1 l^3 m - 24a^4 c^4 e^3 k^1 m + 12a^6 c^2 h^2 j^2 k^1 l^3 + 1 \\
& 2a^6 c^2 f^2 j^1 l^3 m + 12a^5 c^3 h^3 j^2 k^1 l - 3a^5 b^3 h^2 j^2 k^1 m^3 - 3a^5 b^3 g^2 j^1 m^3 - 3a^5 b^3 f^2 k^1 m^3 + 12a^6 c^2 g^2 h^1 l^3 m + 12a^5 c^3 g^2 h^3 \\
& *l^1 m - 12a^6 c^2 e^2 j^2 k^1 m^3 - 12a^6 c^2 d^2 j^1 m^3 - 12a^5 c^3 f^2 j^3 k^1 l - 12a^5 c^3 e^2 j^3 k^1 m - 12a^5 c^3 d^2 j^3 l^1 m - 12a^4 c^4 f^3 j^2 k^1 l + 24a^6 \\
& c^2 f^2 h^2 k^1 m^3 + 24a^6 c^2 f^2 g^1 m^3 + 24a^4 c^4 f^3 h^2 k^1 m + 24a^4 c^4 f^3 g^1 m - 12a^6 c^2 g^2 h^2 j^1 m^3 - 12a^6 c^2 e^2 h^1 l^1 m^3 - 12a^5 c^3 g^2 h^2 j^3 \\
& m + 3b^6 c^2 d^3 j^2 k^1 l + 3a^4 b^4 e^2 j^2 k^1 m^3 + 3a^4 b^4 d^2 j^1 m^3 - 24a^5 c^3 d^2 j^2 k^1 l - 24a^3 c^5 d^3 j^2 k^1 l - 6a^4 b^4 e^2 h^1 l^1 m^3 + 3b^6 c^2 d^2 \\
& d^3 h^2 k^1 m + 3b^6 c^2 d^3 g^1 m + 3a^6 b^2 c^2 j^2 l^3 m + 3a^4 b^4 g^2 h^2 j^1 m^3 + 3a^4 b^4 f^2 h^2 k^1 m^3 + 3a^4 b^4 f^2 g^1 m^3 - 24a^5 c^3 d^2 h^2 k^3 m - 24a^3 \\
& c^5 d^3 h^2 k^1 m + 12a^5 c^3 g^2 h^2 j^2 k^1 l + 12a^5 c^3 f^2 g^2 k^3 l + 12a^5 c^3 e^2 h^2 k^3 l + 12a^5 c^3 e^2 g^2 k^3 m + 12a^4 c^4 g^3 h^2 j^2 k^1 + 12a^4 c^4 f^2 g^3 \\
& k^1 l + 12a^4 c^4 f^2 g^3 j^2 m + 12a^4 c^4 e^2 g^3 k^1 m + 12a^4 c^4 d^2 g^3 l^1 m + 12a^3 c^5 d^3 g^2 l^1 m + 3a^6 b^2 c^2 j^2 k^3 m^2 - 9a^6 b^2 c^2 h^2 l^1 m^3 - 3a^5 b^2 \\
& c^2 j^4 k^1 l + 24a^5 c^3 e^2 g^2 j^1 l^3 + 24a^5 c^3 e^2 f^2 k^1 l^3 + 24a^5 c^3 d^2 e^2 l^3 m + 24a^3 c^5 e^3 g^2 j^1 l + 24a^3 c^5 e^3 f^2 k^1 l + 24a^3 c^5 d^2 e^3 l^1 m \\
& - 12a^5 c^3 d^2 h^2 j^1 l^3 - 12a^5 c^3 d^2 g^2 k^1 l^3 - 12a^4 c^4 e^2 h^3 j^2 k^1 - 12a^4 c^4 d^2 h^3 j^1 l - 12a^3 c^5 e^3 h^2 j^2 k^1 - 12a^3 c^5 e^3 f^2 j^2 m + 9a^4 b^2 c^3 \\
& g^4 l^1 m + 6b^5 c^3 d^3 f^2 j^2 m + 6a^3 b^5 d^2 g^2 k^1 m^3 - 3b^5 c^3 d^3 h^2 j^2 k^1 - 3b^5 c^3 d^3 g^2 j^1 l - 3b^5 c^3 d^3 f^2 k^1 l - 3b^5 c^3 d^3 e^2 k^1 m - 3a^3 b^5 \\
& e^2 g^2 j^1 m^3 - 3a^3 b^5 e^2 f^2 k^1 m^3 - 3a^3 b^5 d^2 h^2 j^1 m^3 - 3a^3 b^5 d^2 f^2 l^1 m^3 - 12a^5 c^3 f^2 g^2 h^1 l^3 - 12a^4 c^4 f^2 g^2 h^3 l^1 - 12a^4 c^4 e^2 g^2 h^3 m - \\
& 12a^3 c^5 e^3 g^2 h^1 m - 9a^6 b^2 c^2 g^2 k^2 m^3 - 3b^5 c^3 d^3 g^2 h^1 m + 3a^6 b^2 c^2 f^2 l^3 m^2 - 3a^3 b^5 f^2 g^2 h^1 m^3 + 12a^5 c^3 d^2 e^2 j^1 m^3 + 12a^4 c^4 e^2 f^2 \\
& j^3 k^1 + 12a^4 c^4 d^2 g^2 j^3 k^1 + 12a^4 c^4 d^2 f^2 j^3 l^1 + 12a^4 c^4 d^2 e^2 j^3 m + 12a^3 c^5 e^2 f^3 j^2 k^1 + 12a^3 c^5 d^2 f^3 j^1 l - 9a^6 b^2 c^2 e^2 l^2 m^3 - 24a^5 \\
& c^3 e^2 f^2 g^2 m^3 - 24a^5 c^3 d^2 f^2 h^1 m^3 - 24a^3 c^5 e^2 f^3 g^2 m - 24a^3 c^5 d^2 f^3 h^1 m - 15a^2 b^2 c^5 d^4 l^1 m + 15a^2 b^3 c^4 d^4 l^1 m + 12a^4 c^4 f^2 g^2 h^2 \\
& j^3 + 12a^3 c^5 f^3 g^2 h^2 j^1 + 12a^3 c^5 e^2 f^3 h^2 l^1 + 9a^3 b^2 c^4 f^4 k^1 l - 9a^3 b^2 c^4 f^4 j^2 m + 3b^4 c^4 d^3 e^2 j^2 k^1 + 3a^5 b^2 c^2 g^2 j^1 l^4 + 3a^5 b^2 c^2 \\
& c^2 f^2 k^1 l^4 + 3a^5 b^2 c^2 d^2 l^4 m - 3a^5 b^2 c^2 h^2 j^2 k^4 - 3a^5 b^2 c^2 f^2 k^4 l^1 - 3a^5 b^2 c^2 e^2 k^4 m - 3a^4 b^2 c^3 h^4 j^2 k^1 + 3a^2 b^6 d^2 e^2 j^1 m^3 + 3a^2 b^6 \\
& c^3 e^4 k^1 m + 24a^4 c^4 d^2 e^2 j^2 k^3 + 24a^2 c^6 d^3 e^2 j^2 k^1 - 6b^4 c^4 d^3 e^2 h^1 l + 3b^4 c^4 d^3 g^2 h^2 j^1 + 3b^4 c^4 d^3 f^2 h^2 k^1 + 3b^4 c^4 d^3 f^2 g^1 l + \\
& 3b^4 c^4 d^3 e^2 g^1 m - 3a^4 b^2 c^3 g^2 h^4 m + 3a^2 b^6 e^2 f^2 g^1 m^3 + 3a^2 b^6 d^2 f^2 h^1 m^3 - 3a^2 b^6 c^2 e^3 j^1 m^2 + 24a^4 c^4 d^2 f^2 h^2 k^3 + 24a^2 c^6 d^3 f^2 \\
& h^2 k^1 - 12a^4 c^4 e^2 f^2 g^2 k^3 - 12a^3 c^5 e^2 f^2 g^3 k^1 - 12a^3 c^5 d^2 g^3 h^2 j^1 - 12a^3 c^5 d^2 f^2 g^3 l^1 - 12a^3 c^5 d^2 e^2 g^3 m - 12a^2 c^6 d^3 g^2 h^2 j^1 - 12a^2 \\
& c^6 d^3 f^2 g^1 l - 12a^2 c^6 d^3 e^2 h^1 l - 12a^2 c^6 d^3 e^2 g^1 m - 12a^2 b^2 c^5 d^4 j^1 l + 9a^5 b^2 c^2 d^2 j^1 l^4 + 9a^2 b^2 c^5 e^4 j^2 k^1 - 3a^4 b^3 c^2 d^2 j^1 l^4 - \\
& 3a^4 b^2 c^3 e^2 j^4 k^1 - 3a^4 b^2 c^3 d^2 j^4 l^1 - 3a^2 b^3 c^4 e^4 j^2 k^1 - 24a^4 c^4 d^2 e^2 f^1 l^3 - 24a^2 c^6 d^2 e^3 f^1 l - 12a^5 b^2 c^2 e^2 g^1 m^4 - 12a^5 b^2 c^2 c^2 \\
& d^2 h^1 m^4 + 12a^3 c^5 d^2 e^2 h^3 j^1 + 12a^2 c^6 d^2 e^3 h^2 j^1 + 12a^2 c^6 d^2 e^3 g^2 k^1 - 12a^2 b^2 c^5 d^4 h^1 m + 9a^5 b^2 c^2 f^2 g^1 l^4 - 9a^5 b^2 c^2 e^2 h^1 l^4 - 9a^5 \\
& 2b^2 c^5 e^4 h^1 l + 9a^2 b^2 c^5 e^4 g^1 m + 6a^4 b^3 c^2 e^2 h^1 l^4 + 6a^2 b^3 c^4 e^4 h^1 l - 3b^3 c^5 d^3 e^2 g^2 j^1 - 3b^3 c^5 d^3 e^2 f^2 k^1 - 3a^4 b^3 c^2 f^2 g^1 l^4 - \\
& 3a^4 b^2 c^3 g^2 h^2 j^4 - 3a^3 b^2 c^4 g^4 h^2 j^1 - 3a^3 b^2 c^4 f^2 g^4 l^1 - 3a^3 b^2 c^4 e^2 g^4 m - 3a^2 b^3 c^4 e^4 g^1 m + 12a^3 c^5 e^2 f^2 g^2 h^3 + 12a^2 c^6 e^3 f^2 \\
& g^2 h^1 - 3b^3 c^5 d^3 f^2 g^2 h^1 - 12a^3 c^5 d^2 e^2 f^2 j^3 - 12a^2 c^6 d^2 e^2 f^3 j^1 - 3a^2 b^6 c^2 d^2 g^1 l^3 - 15a^5 b^2 c^2 d^2 e^2 m^4 + 15a^4 b^3 c^2 d^2 e^2 m^4 + 9a^4 b^2 \\
& c^3 e^2 f^2 k^4 l - 9a^4 b^2 c^3 d^2 g^2 k^4 + 3a^3 b^4 c^2 d^2 f^1 l^4 - 3a^3 b^2 c^4 d^2 h^4 j^1 - 3a^2 b^2 c^5 e^2 f^4 k^1 - 3a^2 b^2 c^5 d^2 f^4 l^1 + 3a^2 b^2 c^5 e^4 g^2 j^1 + 3a^2 \\
& b^2 c^5 e^4 f^2 k^1 + 3a^2 b^2 c^5 d^2 e^4 m - 9a^2 b^2 c^6 d^3 e^2 l^1 + 3b^2 c^6 d^3 e^2 f^2 g^1 - 3a^3 b^2 c^4 f^2 g^2 h^4 - 3a^2 b^2 c^5 f^4 g^2 h^1 + 12a^2 c^6 d^2 e^2 f^2 g^3 - \\
& 9a^2 b^2 c^6 d^3 f^2 j^1 + 3a^2 b^2 c^6 d^2 e^3 k^1 + 9a^3 b^2 c^4 d^2 e^2 j^4 - 3a^2 b^2 c^5 e^2 f^2 g^4 - 9a^2 b^2 c^6 d^3 e^2 h^2 + 3a^2 b^2 c^6 d^2 f^3 g^1 + 3a^2 b^2 c^6 d^2 e^3 g^2 \\
& ^2 - 3a^4 b^2 c^2 h^3 j^2 m + 12a^4 b^2 c^2 g^3 j^1 m^2 - 3a^4 b^2 c^2 f^2 ^2
\end{aligned}$$

$$\begin{aligned}
& *k^3m + 3a^3b^3c^2g^3j^2m - 9a^3b^4c^2f^2j^2m^2 + 9a^3b^3c^2f^2j^3m - 6a^3b^3c^2f^3j^2m^2 - 6a^3b^2c^3f^3j^2m - 3a^2b^4c^2f^3j^2m - 27a^4b^2c^2d^2k^3m^3 - 27a^3b^2c^3e^3j^2m^2 + 18a^2b^4c^2e^3j^2m^2 - 15a^2b^3c^3e^3j^2m + 12a^4b^2c^2f^2j^1^3 + 3a^3b^3c^2e^2k^3l + 42a^2b^3c^3d^3j^2m^2 - 27a^2b^2c^4d^3j^2m - 15a^3b^3c^2d^2k^1^3 - 3a^4b^2c^2f^2j^2k^3 - 3a^4b^2c^2f^2h^3m^2 + 3a^3b^3c^2g^3h^1^2 + 3a^3b^3c^2f^2j^2k^3 - 3a^3b^2c^3g^3h^2^1 - 3a^3b^2c^3e^2j^3^1 - 27a^4b^2c^2e^2h^3m^3 + 12a^3b^2c^3f^3h^1^2 + 3a^3b^3c^2f^2g^3m^2 - 3a^2b^4c^2f^3h^1^2 + 3a^2b^3c^3f^3h^2^1 + 9a^3b^3c^2e^2h^3^1^2 + 9a^2b^3c^3e^2h^3^1 - 6a^4b^2c^2e^2h^2^1^3 - 6a^3b^3c^2e^2h^1^3 - 6a^2b^3c^3e^3h^1^2 - 6a^2b^2c^4e^3h^2^1 + 3a^2b^3c^3d^2j^3k + 42a^3b^3c^2d^2g^3m^3 - 27a^4b^2c^2d^2g^2m^3 - 27a^2b^2c^4d^3h^1^2 - 15a^2b^3c^3e^3f^2m^2 + 12a^3b^2c^3e^2h^2k^3 + 3a^3b^3c^2e^2h^2k^3 - 3a^3b^2c^3e^2g^3l^2 - 3a^2b^4c^2e^2h^2k^3 + 3a^2b^3c^3f^3g^2k^2 - 3a^2b^2c^4f^3g^2k - 27a^3b^2c^3d^2g^2l^3 - 27a^2b^2c^4d^3f^2m^2 + 18a^2b^4c^2d^2g^2l^3 - 15a^3b^3c^2d^2g^2l^3 + 12a^2b^2c^4e^3g^2k^2 - 3a^3b^2c^3e^2h^2j^3 + 3a^2b^3c^3e^2h^2j^3 + 3a^2b^3c^3e^2f^3^1^2 - 3a^2b^2c^4d^2h^3k + 9a^2b^3c^3d^2g^3k^2 - 9a^2b^4c^3d^2g^2k^2 - 6a^3b^2c^3d^2g^2k^3 - 6a^2b^3c^3d^2g^2k^3 - 3a^2b^4c^2d^2g^2k^3 + 12a^2b^2c^4d^2g^2j^3 + 3a^2b^3c^3d^2g^2j^3 - 3a^2b^2c^4d^2f^3k^2 - 3a^2b^2c^4d^2g^2h^3 + 12a^7c^2j^2k^1m^3 - 3b^7c^2d^3k^1m - 3a^6b^2c^2k^4l^1m - 3a^6b^2c^2j^2k^1^4 - 3a^6b^2c^2g^1^4m - 9a^6b^2c^2f^2j^2m^4 + 9a^6b^2c^2e^2k^1m^4 + 9a^6b^2c^2d^1m^4 + 9a^6b^2c^2g^1h^1m^4 - 3a^6b^2c^2d^2e^2f^2m^3 + 9a^6b^2c^2d^4h^1j - 9a^6b^2c^2d^4g^2k + 9a^6b^2c^2d^4f^1 + 9a^6b^2c^2d^4e^1m + 12a^6c^2d^3e^2f^2g - 3a^6b^2c^2d^4e^2j - 3a^6b^2c^2d^4e^2f^2g - 3a^6b^2c^2d^4e^2f^4 + 18a^6c^2d^2h^2j^1m^2 - 18a^6c^2d^2h^2j^2^1^2m + 18a^6c^2d^2f^2k^2^1^2m + 36a^5c^3e^2k^1^2m + 18a^6c^2d^2g^2j^2k^2m^2 + 18a^6c^2d^2e^2k^2^1m^2 + 18a^5c^3g^2j^2k^2m + 18a^6c^2d^2e^2j^1^2m^2 + 18a^6c^2d^2k^1^2m^2 - 18a^5c^3e^2j^1m^2 - 18a^6c^2d^2f^2h^1^2m^2 + 18a^5c^3f^2h^1^2m - 36a^5c^3f^2h^2k^2m - 36a^5c^3f^2g^1m^2 + 18a^5c^3g^2h^2k^1^2 - 18a^5c^3g^2h^2k^2^1 + 18a^5c^3f^2h^2k^2m + 18a^5c^3f^2g^2^1^2m + 18a^5c^3e^2j^2k^2^1 + 18a^5c^3d^2j^2k^2m - 18a^4c^4d^2j^2k^2m + 36a^4c^4d^2j^2k^2^1 + 18a^5c^3f^2g^2k^2m^2 + 18a^5c^3e^2g^2^1m^2 + 18a^5c^3d^2j^2k^1^2 - 18a^4c^4f^2g^2k^2m + 36a^4c^4d^2h^2k^2m + 18a^5c^3f^2h^2j^2^1^2 - 18a^5c^3e^2h^2j^2m^2 + 18a^5c^3d^2h^2k^2m + 18a^4c^4f^2h^2j^1 - 18a^4c^4e^2h^2j^2m - 18a^5c^3e^2g^2k^2^1^2 + 18a^5c^3d^2h^2k^2^1^2 + 18a^4c^4e^2g^2k^2^1 + 18a^4c^4e^2f^2k^2m - 18a^4c^4d^2h^2k^1^2 + 18a^4c^4d^2f^1^2m - 36a^4c^4e^2g^2j^1^2 - 36a^4c^4e^2f^2k^1^2 - 36a^4c^4d^2e^2^1^2m + 18a^5c^3d^2f^2k^2m^2 + 18a^4c^4f^2g^2j^2k^2 + 18a^4c^4d^2g^2j^2m^2 - 18a^4c^4d^2e^1m^2 - 18a^4c^4f^2g^2j^2k + 18a^4c^4f^2g^2h^2m + 18a^4c^4e^2g^2j^2^1 + 18a^4c^4e^2f^2k^2^1 - 18a^4c^4d^2g^2j^2m - 18a^4c^4d^2f^2k^2m + 18a^3c^5d^2f^2k^2m + 3a^4b^2c^2h^4k^2m - 3a^3b^3c^2g^4l^1m + 18a^4c^4e^2f^2j^1^2 + 18a^4c^4d^2h^2j^2k + 18a^4c^4d^2f^2k^1^2 + 18a^4c^4d^2e^2k^2m - 18a^3c^5e^2f^2j^1 + 12a^5b^2c^2g^2k^2m^3 - 9a^5b^2c^2h^3j^2m^2 - 9a^5b^2c^2f^2^1^3m + 3a^5b^2c^2h^2k^3^1 + 3a^4b^3c^2h^3j^2m^2 + 3a^4b^3c^2f^2^1^3m - 18a^4c^4e^2f^2h^2m + 18a^3c^5e^2f^2h^2m + 15a^5b^2c^2e^2^1m^3 - 15a^4b^3c^2e^2^1m^3 - 9a^5b^2c^2g^2k^1^3 - 9a^4b^3c^2g^3j^2m - 3a^5b^2c^2g^2k^2^1^3 + 3a^5b^2c^2h^2j^3^1^2 + 3a^4b^3c^2g^2k^1^3 - 3a^3b^4c^2g^3j^2m^2 + 36a^4c^4e^2f^2g^2m^2 + 36a^4c^4d^2f^2h^2m^2 + 18a^4c^4e^2g^2h^2k^2 - 18a^4c^4d^2g^2h^1^2 - 18a^4c^4d^2d^2f^2j^2k^2 + 18a^3c^5e^2g^2h^2k + 18a^3c^5e^2f^2g^2m - 18a^3c^5d^2g^2h^2^1 + 18a^3c^5d^2f^2j^2k + 18a^3c^5d^2f^2h^2m + 18a^3c^5d^2e^2j^2^1 - 12a^2b^2c^4e^4k^2m + 9a^4b^3c^2f^2j^3m^2 - 9a^4b^2c^2f^2j^4m - 6a^5b^2c^2f^2j^2m^3 + 6a^5b^2c^2f^2j^2m^3 - 6a^5b^2c^2f^2j^3m^2 - 6a^4b^3c^2f^2j^3m + 6a^2b^3c^3f^4j^2m + 3a^3b^2c^3g^4j^1 + 3a^2b^5c^2f^3j^2m^2
\end{aligned}$$

$$\begin{aligned}
& 2 - 3a^2b^3c^3f^4kk^1 - 36a^3c^5d^2e^*jk^2 - 18a^4c^4d^*fg^2m^2 \\
& + 18a^3c^5e^*f^2g^2*1 + 18a^3c^5d^*f^2g^2*m + 18a^3c^5d^*e^2j^2*k \\
& + 18a^3b^4c^*d^2k^*m^3 + 15a^3b^*c^4e^3j^2*m + 12a^5b^2c^*d^*k^2m^3 \\
& - 9a^5b^*c^2f^*j^2*1^3 - 9a^4b^*c^3e^2k^3*1 + 3a^5b^*c^2e^*k^3*1^2 + \\
& 3a^4b^3c^*f^*j^2*1^3 + 3a^4b^*c^3g^2j^3*k - 3a^3b^4c^*f^2*j^1^3 + 3a^ \\
& ^3b^2c^3g^4h^*m + 3a^*b^5c^2e^3j^2*m - 36a^3c^5d^2f^*h^*k^2 - 21a^ \\
& ^3b^*c^4d^3j^*m^2 - 21a^*b^5c^2d^3j^*m^2 + 18a^3c^5e^2f^*h^*j^2 - 18a^ \\
& ^3c^5e^*f^2h^2*j + 18a^3c^5d^*f^2h^2*k + 18a^*b^4c^3d^3j^2*m + 15a^ \\
& ^4b^*c^3d^2k^*1^3 - 9a^5b^*c^2d^*k^2*1^3 - 9a^4b^*c^3g^3h^*1^2 - 9a^4b^ \\
& ^*c^3f^2j^*k^3 + 3a^4b^3c^*d^*k^2*1^3 + 3a^2b^5c^*d^2k^*1^3 - 18a^3c^5 \\
& ^*d^2e^*g^*1^2 + 18a^3c^5d^*e^2h^*k^2 + 18a^3b^4c^*e^2h^*m^3 - 18a^2c^6 \\
& ^*d^2e^2h^*k + 18a^2c^6d^2e^2g^*1 + 18a^2c^6d^2e^2f^*m + 15a^5b^*c^ \\
& ^2e^*h^2m^3 - 15a^4b^3c^*e^*h^2m^3 - 9a^4b^*c^3f^*g^3m^2 - 9a^3b^*c^4 \\
& ^*f^3h^2*1 + 3a^4b^2c^2e^*j^*k^4 + 3a^4b^*c^3g^*h^3k^2 + 3a^3b^*c^4f^ \\
& ^2g^3*m + 36a^3c^5d^*e^2f^*1^2 + 18a^3c^5d^*f^*g^2j^2 + 18a^2c^6d^2* \\
& ^f^2g^*j + 18a^2c^6d^2e^*f^2*1 - 9a^3b^2c^3e^*h^4*1 - 9a^3b^*c^4d^2* \\
& ^j^3k + 6a^4b^*c^3e^2h^*1^3 - 6a^4b^*c^3e^*h^3*1^2 + 6a^3b^*c^4e^3h^*1 \\
& ^2 - 6a^3b^*c^4e^2h^3*1 + 3a^4b^2c^2f^*h^*k^4 + 3a^4b^*c^3d^*j^3k^2 \\
& - 3a^3b^4c^*e^*h^2*1^3 + 3a^2b^5c^*e^2h^*1^3 + 3a^2b^2c^4f^4h^*k + 3 \\
& ^*a^2b^2c^4f^4g^*1 + 3a^*b^5c^2e^3h^*1^2 - 3a^*b^4c^3e^3h^2*1 - 21a^ \\
& ^4b^*c^3d^2g^*m^3 - 21a^2b^5c^*d^2g^*m^3 + 18a^3b^4c^*d^*g^2m^3 + 18a^ \\
& ^2c^6d^*e^2f^2*k + 18a^*b^4c^3d^3h^*1^2 + 15a^3b^*c^4e^3f^*m^2 + 15a^ \\
& ^2b^*c^5d^3h^2*1 - 15a^*b^3c^4d^3h^2*1 - 9a^4b^*c^3e^*h^2k^3 - 9a^3 \\
& ^*b^*c^4f^3g^*k^2 - 9a^2b^*c^5e^3f^2*m + 3a^3b^*c^4f^2h^3*j + 3a^*b^5c^ \\
& ^2e^3f^*m^2 + 3a^*b^3c^4e^3f^2*m + 18a^*b^4c^3d^3f^*m^2 + 15a^4b^*c^ \\
& ^3d^*g^2*1^3 + 12a^*b^2c^5d^3f^2*m - 9a^3b^*c^4e^2h^*j^3 - 9a^3b^*c^4 \\
& ^*e^*f^3*1^2 - 9a^2b^*c^5e^3g^2*k + 3a^3b^*c^4f^*g^3j^2 + 3a^2b^5c^*d^* \\
& ^g^2*1^3 + 3a^2b^*c^5e^2f^3*1 - 3a^*b^4c^3e^3g^*k^2 + 3a^*b^3c^4e^3g^ \\
& ^2*k + 18a^2c^6d^2e^*g^*h^2 - 18a^2c^6d^*e^2g^2h - 12a^4b^2c^2d^*f^ \\
& ^*1^4 - 9a^2b^2c^4d^*g^4k + 9a^*b^3c^4d^2g^3k + 6a^3b^3c^2d^*g^*k^ \\
& ^4 + 6a^3b^*c^4d^2g^*k^3 - 6a^3b^*c^4d^*g^3k^2 + 6a^2b^*c^5d^3g^*k^2 - \\
& ^6a^2b^*c^5d^2g^3k - 6a^*b^3c^4d^3g^*k^2 - 6a^*b^2c^5d^3g^2k - 3a^ \\
& ^3b^3c^2e^*f^*k^4 + 3a^3b^2c^3e^*g^*j^4 + 3a^3b^2c^3d^*h^*j^4 + 3a^*b^ \\
& ^5c^2d^2g^*k^3 + 15a^2b^*c^5d^3e^*1^2 - 15a^*b^3c^4d^3e^*1^2 - 9a^3* \\
& ^b^*c^4d^*g^2j^3 - 9a^2b^*c^5e^3f^*j^2 - 3a^*b^4c^3d^2g^*j^3 + 3a^*b^3c^ \\
& ^4e^3f^*j^2 - 3a^*b^2c^5e^3f^2*j + 12a^*b^2c^5d^3f^*j^2 - 9a^2b^*c^5 \\
& ^*d^*e^3k^2 + 3a^2b^*c^5e^2g^3h + 3a^*b^3c^4d^*e^3k^2 - 9a^2b^*c^5d^ \\
& ^2g^*h^3 - 3a^2b^3c^3d^*e^*j^4 + 3a^2b^*c^5e^*f^3h^2 + 3a^*b^3c^4d^2g^ \\
& ^*h^3 + 3a^2b^2c^4d^*f^*h^4 - 9a^7c^*k^2*1^2m^2 - 6a^6c^2j^2k^3m - \\
& ^3a^6b^2h^*1^2m^3 + 3a^5b^3h^2*1m^3 - 6a^6c^2g^2k^*m^3 - 6a^6c^2 \\
& ^*h^*k^3*1^2 + 6a^5c^3h^3j^2m + 6a^6c^2g^*k^2*1^3 - 6a^6c^2f^*k^3m^ \\
& ^2 - 6a^5c^3h^2j^3*1 - 6a^5c^3g^3j^*m^2 + 6a^5c^3f^2k^3m + 3a^5 \\
& ^*b^3g^*k^2m^3 - 3a^4b^4g^2k^*m^3 + 12a^6c^2f^*j^2m^3 + 12a^4c^4f^ \\
& ^3j^2m + 3a^5b^3e^*1^2m^3 + 3a^3b^5e^2*1m^3 - 6a^6c^2d^*k^2m^3 - \\
& ^6a^5c^3f^2j^*1^3 + 6a^5c^3d^2k^*m^3 - 6a^5c^3g^*j^3k^2 + 6a^4c^ \\
& ^4e^3j^*m^2 - 3b^6c^2d^3j^2m - 3a^4b^4f^*j^2m^3 + 3a^3b^5f^2j^*m^ \\
& ^3 + 6a^5c^3f^*j^2k^3 + 6a^5c^3f^*h^3m^2 - 6a^5c^3e^*j^3*1^2 + 6a^ \\
& ^4c^4g^3h^2*1 - 6a^4c^4f^2h^3m + 6a^4c^4e^2j^3*1 + 6a^3c^5d^3 \\
& ^*j^2m - 3a^4b^4d^*k^2m^3 - 3a^2b^6d^2k^*m^3 + 6a^5c^3e^2h^*m^3 - \\
& ^6a^4c^4g^2h^3k - 6a^4c^4f^3h^*1^2 + 12a^5c^3e^*h^2*1^3 + 12a^3c^ \\
& ^5e^3h^2*1 - 3b^6c^2d^3h^*1^2 + 3b^5c^3d^3h^2*1 - 3a^5b^2c^*j^4* \\
& ^m^2 + 3a^3b^5e^*h^2m^3 - 3a^2b^6e^2h^*m^3 + 6a^5c^3d^*g^2m^3 - 6a^ \\
& ^4c^4e^2h^*k^3 - 6a^4c^4f^*h^3j^2 + 6a^4c^4e^*g^3*1^2 + 6a^3c^5f^ \\
& ^3g^2k - 6a^3c^5e^2g^3*1 + 6a^3c^5d^3h^*1^2 - 3b^6c^2d^3f^*m^2 - \\
& ^3b^4c^4d^3f^2m + 6a^4c^4d^2g^*1^3 + 6a^4c^4e^*h^2j^3 - 6a^4c^ \\
& ^4d^*h^3k^2 - 6a^3c^5f^2g^3j - 6a^3c^5e^3g^*k^2 + 6a^3c^5d^3f^*m^ \\
& ^2 + 6a^3c^5d^2h^3k - 6a^2c^6d^3f^2m + 4a^5b^2c^*h^3m^3 + 3b^ \\
& ^5c^3d^3g^*k^2 - 3b^4c^4d^3g^2k - 3a^2b^6d^*g^2m^3 + a^5b^*c^2j^3 \\
& ^*k^3 + 12a^4c^4d^*g^2k^3 + 12a^2c^6d^3g^2k + 6a^5b^*c^2h^3*1^3 +
\end{aligned}$$

$$\begin{aligned}
& 5*a^5*b*c^2*g^3*m^3 - 5*a^4*b^3*c*g^3*m^3 + 3*b^5*c^3*d^3*e*1^2 + 3*b^3*c^5 \\
& *d^3*e^2*1 - 3*a^5*b^2*c*h^2*1^4 + a^4*b^3*c*h^3*1^3 + 12*a^5*b^2*c*f^2*m^4 \\
& - 6*a^3*c^5*d^2*g*j^3 + 6*a^3*c^5*d*f^3*k^2 + 6*a^3*b^4*c*f^3*m^3 + 6*a^2* \\
& c^6*e^3*f^2*j - 6*a^2*c^6*d^2*f^3*k - 3*b^4*c^4*d^3*f*j^2 + 3*b^3*c^5*d^3*f \\
& ^2*j - 3*a^2*b^2*c^4*f^5*m - 7*a^4*b*c^3*e^3*m^3 - 7*a^2*b^5*c*e^3*m^3 + 6* \\
& a^4*b*c^3*g^3*k^3 - 6*a^3*c^5*e*g^3*h^2 - 6*a^2*c^6*d^3*f*j^2 + 5*a^4*b*c^3 \\
& *f^3*1^3 + a^4*b*c^3*h^3*j^3 + a^2*b^5*c*f^3*1^3 + 6*a^3*c^5*d*g^2*h^3 - 6* \\
& a^2*c^6*e^2*f^3*h - 3*a^3*b^4*c*e^2*1^4 - 3*a*b^4*c^3*e^4*1^2 - 7*a^3*b*c^4 \\
& *d^3*1^3 - 7*a*b^5*c^2*d^3*1^3 + 6*a^3*b*c^4*f^3*j^3 + 5*a^3*b*c^4*e^3*k^3 \\
& + 3*b^3*c^5*d^3*e*h^2 - 3*b^2*c^6*d^3*e^2*h + a*b^5*c^2*e^3*k^3 + 12*a*b^2* \\
& c^5*d^4*k^2 - 6*a^2*c^6*d*f^3*g^2 + 6*a*b^4*c^3*d^3*k^3 - 3*a^4*b^2*c^2*d*k \\
& ^5 + a^3*b*c^4*g^3*h^3 + 5*a^2*b*c^5*d^3*j^3 - 5*a*b^3*c^4*d^3*j^3 - 9*a*c^ \\
& 7*d^2*e^2*f^2 + 6*a^2*b*c^5*e^3*h^3 - 3*a*b^2*c^5*e^4*h^2 + a^2*b*c^5*f^3*g \\
& ^3 + a*b^3*c^4*e^3*h^3 + 4*a*b^2*c^5*d^3*h^3 - 3*a*b^2*c^5*d^2*g^4 - 6*a^7* \\
& c*j^1^3*m^2 + 6*a^7*c*h^1^2*m^3 + 6*a^6*c^2*j*k^4*1 + 6*a^6*c^2*h*k^4*m - 6 \\
& *a^5*c^3*h^4*k*m + 3*a^6*b^2*h*k*m^4 + 3*a^6*b^2*g*1*m^4 - 3*b^5*c^3*d^4*1* \\
& m - 6*a^6*c^2*g*j*1^4 - 6*a^6*c^2*f*k*1^4 - 6*a^6*c^2*d*1^4*m + 6*a^5*c^3*h \\
& *j^4*k + 6*a^5*c^3*g*j^4*1 + 6*a^5*c^3*f*j^4*m - 6*a^4*c^4*g^4*j*1 + 6*a^3* \\
& c^5*e^4*k*m + 6*a^5*b^3*f*j*m^4 - 6*a^4*c^4*g^4*h*m + 3*b^7*c*d^3*j*m^2 - 3 \\
& *a^5*b^3*e*k*m^4 - 3*a^5*b^3*d*1*m^4 + 3*b^4*c^4*d^4*j*1 - 3*a^5*b^3*g*h*m^ \\
& 4 - 6*a^5*c^3*e*j*k^4 + 6*a^2*c^6*d^4*j*1 + 3*b^4*c^4*d^4*h*m + 6*a^6*c^2*e \\
& *g*m^4 + 6*a^6*c^2*d*h*m^4 + 6*a^6*b*c*j^3*m^3 - 6*a^5*c^3*f*h*k^4 + 6*a^4* \\
& c^4*g*h^4*j + 6*a^4*c^4*f*h^4*k + 6*a^4*c^4*e*h^4*1 + 6*a^4*c^4*d*h^4*m - 6 \\
& *a^3*c^5*f^4*h*k - 6*a^3*c^5*f^4*g*1 + 6*a^2*c^6*d^4*h*m + 3*a^5*b*c^2*j^5* \\
& m + a^6*b*c*k^3*1^3 + 3*a^4*b^4*e*g*m^4 + 3*a^4*b^4*d*h*m^4 + 6*b^3*c^5*d^4 \\
& *g*k - 3*b^3*c^5*d^4*h*j - 3*b^3*c^5*d^4*f*1 - 3*b^3*c^5*d^4*e*m + 3*a*b^7* \\
& d^2*g*m^3 + 6*a^5*c^3*d*f*1^4 - 6*a^4*c^4*e*g*j^4 - 6*a^4*c^4*d*h*j^4 + 6*a \\
& ^3*c^5*e*g^4*j + 6*a^3*c^5*d*g^4*k - 6*a^2*c^6*e^4*g*j - 6*a^2*c^6*e^4*f*k \\
& - 6*a^2*c^6*d*e^4*m + 3*a^4*b*c^3*h^5*1 + 6*a^3*c^5*f*g^4*h - 3*a^3*b^5*d*e \\
& *m^4 + 3*b^2*c^6*d^4*e*j + 3*a^5*b*c^2*g*k^5 + 3*a^3*b*c^4*g^5*k + 8*a*b^6* \\
& c*d^3*m^3 + 3*b^2*c^6*d^4*f*h - 3*a^5*b^2*c*e*1^5 - 3*a*b^2*c^5*e^5*1 - 6*a \\
& ^3*c^5*d*f*h^4 + 6*a^2*c^6*e*f^4*g + 6*a^2*c^6*d*f^4*h + 3*a^4*b*c^3*f*j^5 \\
& + 3*a^2*b*c^5*f^5*j + 6*a*c^7*d^3*e^2*h - 6*a*c^7*d^2*e^3*g + 3*a^3*b*c^4*e \\
& *h^5 + 6*a*b*c^6*d^3*g^3 + 3*a^2*b*c^5*d*g^5 + a*b*c^6*e^3*f^3 - 9*a^6*c^2* \\
& j^2*k^2*1^2 - 9*a^6*c^2*h^2*k^2*m^2 - 9*a^6*c^2*g^2*1^2*m^2 - 18*a^5*c^3*f^ \\
& 2*j^2*m^2 - 9*a^5*c^3*h^2*j^2*k^2 - 9*a^5*c^3*g^2*j^2*1^2 - 9*a^5*c^3*f^2*k \\
& ^2*1^2 - 9*a^5*c^3*e^2*k^2*m^2 - 9*a^5*c^3*d^2*1^2*m^2 - 9*a^5*c^3*g^2*h^2* \\
& m^2 - 9*a^4*c^4*e^2*j^2*k^2 - 9*a^4*c^4*d^2*j^2*1^2 - 18*a^4*c^4*e^2*h^2*1^ \\
& 2 - 9*a^4*c^4*g^2*h^2*j^2 - 9*a^4*c^4*f^2*h^2*k^2 - 9*a^4*c^4*f^2*g^2*1^2 - \\
& 9*a^4*c^4*e^2*g^2*m^2 - 9*a^4*c^4*d^2*h^2*m^2 - 18*a^3*c^5*d^2*g^2*k^2 - 9 \\
& *a^3*c^5*e^2*g^2*j^2 - 9*a^3*c^5*e^2*f^2*k^2 - 9*a^3*c^5*d^2*h^2*j^2 - 9*a^ \\
& 3*c^5*d^2*f^2*1^2 - 9*a^3*c^5*d^2*e^2*m^2 - 3*a^4*b^2*c^2*h^4*1^2 - 18*a^4* \\
& b^2*c^2*f^3*m^3 + 12*a^3*b^2*c^3*f^4*m^2 - 9*a^3*c^5*f^2*g^2*h^2 + 4*a^4*b^ \\
& 2*c^2*g^3*1^3 - 3*a^2*b^4*c^2*f^4*m^2 + 14*a^3*b^3*c^2*e^3*m^3 - 5*a^3*b^3* \\
& c^2*f^3*1^3 - 3*a^4*b^2*c^2*g^2*k^4 - 3*a^3*b^2*c^3*g^4*k^2 + a^3*b^3*c^2*g \\
& ^3*k^3 - 20*a^2*b^4*c^2*d^3*m^3 - 18*a^3*b^2*c^3*e^3*1^3 + 16*a^3*b^2*c^3*d \\
& ^3*m^3 + 12*a^4*b^2*c^2*e^2*1^4 + 12*a^2*b^2*c^4*e^4*1^2 - 9*a^2*c^6*d^2*e^ \\
& 2*j^2 + 6*a^2*b^4*c^2*e^3*1^3 + 4*a^3*b^2*c^3*f^3*k^3 + 14*a^2*b^3*c^3*d^3* \\
& 1^3 - 9*a^2*c^6*e^2*f^2*g^2 - 9*a^2*c^6*d^2*f^2*h^2 - 5*a^2*b^3*c^3*e^3*k^3 \\
& - 3*a^3*b^2*c^3*f^2*j^4 - 3*a^2*b^2*c^4*f^4*j^2 + a^2*b^3*c^3*f^3*j^3 - 18 \\
& *a^2*b^2*c^4*d^3*k^3 + 12*a^3*b^2*c^3*d^2*k^4 + 4*a^2*b^2*c^4*e^3*j^3 - 3*a \\
& ^2*b^4*c^2*d^2*k^4 - 3*a^2*b^2*c^4*e^2*h^4 + 6*a^7*c*k*1^4*m - 3*a^7*b*k*1* \\
& m^4 - 6*a^7*c*h*k*m^4 - 6*a^7*c*g*1*m^4 + 3*a^6*b*c*h*1^5 - 6*a*c^7*d^4*e*j \\
& - 6*a*c^7*d^4*f*h - 3*b*c^7*d^4*e*f + 6*a*c^7*d^4*e*f + 3*a*b*c^6*e^5*h - \\
& a^5*b^2*c*j^3*1^3 - a^3*b^4*c*g^3*1^3 - a*b^4*c^3*e^3*j^3 - a*b^2*c^5*e^3*g \\
& ^3 + 3*a^7*b*j*m^5 + 6*a^7*c*f*m^5 + 6*a*c^7*d^5*k + 3*b*c^7*d^5*g - 3*a^6* \\
& c^2*j^4*m^2 - 3*a^6*b^2*j^2*m^4 + 2*a^6*c^2*j^3*1^3 + a^5*b^3*j^3*m^3 - 2*a \\
& ^6*c^2*h^3*m^3 - 3*a^6*c^2*h^2*1^4 - 3*a^5*c^3*h^4*1^2 - a*b^6*c*e^3*1^3 + \\
& 20*a^5*c^3*f^3*m^3 - 15*a^6*c^2*f^2*m^4 - 15*a^4*c^4*f^4*m^2 + 2*a^5*c^3*h^
\end{aligned}$$

$$\begin{aligned}
& 3*k^3 - 2*a^5*c^3*g^3*l^3 + a^3*b^5*g^3*m^3 - 3*a^5*c^3*g^2*k^4 - 3*a^4*c^4 \\
& *g^4*k^2 - 3*a^4*b^4*f^2*m^4 + 20*a^4*c^4*e^3*l^3 - 15*a^5*c^3*e^2*l^4 - 15 \\
& *a^3*c^5*e^4*l^2 + 2*a^4*c^4*g^3*j^3 - 2*a^4*c^4*f^3*k^3 - 2*a^4*c^4*d^3*m^ \\
& 3 - 3*b^4*c^4*d^4*k^2 - 3*a^4*c^4*f^2*j^4 - 3*a^3*c^5*f^4*j^2 + 20*a^3*c^5* \\
& d^3*k^3 - 15*a^4*c^4*d^2*k^4 - 15*a^2*c^6*d^4*k^2 - 2*a^3*c^5*e^3*j^3 + b^5 \\
& *c^3*d^3*j^3 + 2*a^3*c^5*f^3*h^3 - 3*a^3*c^5*e^2*h^4 - 3*a^2*c^6*e^4*h^2 - \\
& 3*b^2*c^6*d^4*g^2 + 2*a^2*c^6*e^3*g^3 - 2*a^2*c^6*d^3*h^3 + b^3*c^5*d^3*g^3 \\
& - 3*a^2*c^6*d^2*g^4 - a^4*b^2*c^2*h^3*k^3 - a^3*b^2*c^3*g^3*j^3 - a^2*b^4* \\
& c^2*f^3*k^3 - a^2*b^2*c^4*f^3*h^3 + 2*a^7*c*k^3*m^3 + a^7*b*l^3*m^3 - 3*a^7 \\
& *c*j^2*m^4 + 6*a^3*c^5*f^5*m - 3*a^6*b^2*f*m^5 + 6*a^6*c^2*e*l^5 + 6*a^2*c^ \\
& 6*e^5*l + b^7*c*d^3*l^3 + a*b^7*e^3*m^3 - 3*b^2*c^6*d^5*k + 6*a^5*c^3*d*k^5 \\
& - 3*a*c^7*d^4*g^2 + 2*a*c^7*d^3*f^3 + b*c^7*d^3*e^3 - a^6*b^2*k^3*m^3 - a^ \\
& 4*b^4*h^3*m^3 - a^2*b^6*f^3*m^3 - b^6*c^2*d^3*k^3 - b^4*c^4*d^3*h^3 - b^2*c \\
& ^6*d^3*f^3 - b^8*d^3*m^3 - a^6*c^2*k^6 - a^5*c^3*j^6 - a^4*c^4*h^6 - a^3*c^ \\
& 5*g^6 - a^2*c^6*f^6 - a^7*c*l^6 - a*c^7*e^6 - a^8*m^6 - c^8*d^6, z, k1)*(ro \\
& ot(34992*a^4*b^2*c^8*z^6 - 8748*a^3*b^4*c^7*z^6 + 729*a^2*b^6*c^6*z^6 - 466 \\
& 56*a^5*c^9*z^6 + 34992*a^4*b^3*c^6*m*z^5 - 8748*a^3*b^5*c^5*m*z^5 + 729*a^2 \\
& *b^7*c^4*m*z^5 - 34992*a^4*b^2*c^7*j*z^5 + 8748*a^3*b^4*c^6*j*z^5 - 729*a^2 \\
& *b^6*c^5*j*z^5 - 46656*a^5*b*c^7*m*z^5 + 46656*a^5*c^8*j*z^5 + 34992*a^5*b* \\
& c^6*j*m*z^4 - 11664*a^5*b*c^6*k*l*z^4 + 3888*a^4*b*c^7*f*j*z^4 + 3888*a^4*b \\
& *c^7*e*k*z^4 + 3888*a^4*b*c^7*d*l*z^4 + 3888*a^4*b*c^7*g*h*z^4 + 3888*a^3*b \\
& *c^8*d*e*z^4 + 243*a*b^5*c^6*d*e*z^4 - 25272*a^4*b^3*c^5*j*m*z^4 + 9720*a^4 \\
& *b^3*c^5*k*l*z^4 + 6075*a^3*b^5*c^4*j*m*z^4 - 2673*a^3*b^5*c^4*k*l*z^4 - 48 \\
& 6*a^2*b^7*c^3*j*m*z^4 + 243*a^2*b^7*c^3*k*l*z^4 - 7776*a^4*b^2*c^6*h*k*z^4 \\
& - 7776*a^4*b^2*c^6*g*l*z^4 - 7776*a^4*b^2*c^6*f*m*z^4 + 2430*a^3*b^4*c^5*h* \\
& k*z^4 + 2430*a^3*b^4*c^5*g*l*z^4 + 2430*a^3*b^4*c^5*f*m*z^4 - 243*a^2*b^6*c \\
& ^4*h*k*z^4 - 243*a^2*b^6*c^4*g*l*z^4 - 243*a^2*b^6*c^4*f*m*z^4 - 1944*a^3*b \\
& ^3*c^6*f*j*z^4 - 1944*a^3*b^3*c^6*e*k*z^4 - 1944*a^3*b^3*c^6*d*l*z^4 + 243* \\
& a^2*b^5*c^5*f*j*z^4 + 243*a^2*b^5*c^5*e*k*z^4 + 243*a^2*b^5*c^5*d*l*z^4 - 1 \\
& 944*a^3*b^3*c^6*g*h*z^4 + 243*a^2*b^5*c^5*g*h*z^4 + 3888*a^3*b^2*c^7*e*g*z^ \\
& 4 + 3888*a^3*b^2*c^7*d*h*z^4 - 486*a^2*b^4*c^6*e*g*z^4 - 486*a^2*b^4*c^6*d* \\
& h*z^4 - 1944*a^2*b^3*c^7*d*e*z^4 + 7776*a^5*c^7*h*k*z^4 + 7776*a^5*c^7*g*l* \\
& z^4 + 7776*a^5*c^7*f*m*z^4 - 7776*a^4*c^8*e*g*z^4 - 7776*a^4*c^8*d*h*z^4 - \\
& 13608*a^5*b^2*c^5*m^2*z^4 + 11421*a^4*b^4*c^4*m^2*z^4 - 2916*a^3*b^6*c^3*m^ \\
& 2*z^4 + 243*a^2*b^8*c^2*m^2*z^4 + 13608*a^4*b^2*c^6*j^2*z^4 - 3159*a^3*b^4* \\
& c^5*j^2*z^4 + 243*a^2*b^6*c^4*j^2*z^4 + 1944*a^3*b^2*c^7*f^2*z^4 - 243*a^2* \\
& b^4*c^6*f^2*z^4 - 3888*a^6*c^6*m^2*z^4 - 19440*a^5*c^7*j^2*z^4 - 3888*a^4*c \\
& ^8*f^2*z^4 + 3078*a^4*b^4*c^3*k*l*m*z^3 - 2592*a^5*b^2*c^4*k*l*m*z^3 - 891* \\
& a^3*b^6*c^2*k*l*m*z^3 - 4536*a^4*b^3*c^4*j*k*l*z^3 + 1053*a^3*b^5*c^3*j*k*l \\
& *z^3 - 81*a^2*b^7*c^2*j*k*l*z^3 - 2592*a^4*b^3*c^4*h*k*m*z^3 - 2592*a^4*b^3 \\
& *c^4*g*l*m*z^3 + 810*a^3*b^5*c^3*h*k*m*z^3 + 810*a^3*b^5*c^3*g*l*m*z^3 - 81 \\
& *a^2*b^7*c^2*h*k*m*z^3 - 81*a^2*b^7*c^2*g*l*m*z^3 + 7776*a^4*b^2*c^5*f*j*m* \\
& z^3 + 3888*a^4*b^2*c^5*h*j*k*z^3 + 3888*a^4*b^2*c^5*g*j*l*z^3 - 3888*a^4*b^ \\
& 2*c^5*f*k*l*z^3 - 2916*a^3*b^4*c^4*f*j*m*z^3 + 1458*a^3*b^4*c^4*f*k*l*z^3 - \\
& 972*a^3*b^4*c^4*h*j*k*z^3 - 972*a^3*b^4*c^4*g*j*l*z^3 - 486*a^3*b^4*c^4*e* \\
& k*m*z^3 - 486*a^3*b^4*c^4*d*l*m*z^3 + 324*a^2*b^6*c^3*f*j*m*z^3 - 162*a^2*b \\
& ^6*c^3*f*k*l*z^3 + 81*a^2*b^6*c^3*h*j*k*z^3 + 81*a^2*b^6*c^3*g*j*l*z^3 + 81 \\
& *a^2*b^6*c^3*e*k*m*z^3 + 81*a^2*b^6*c^3*d*l*m*z^3 - 486*a^3*b^4*c^4*g*h*m*z \\
& ^3 + 81*a^2*b^6*c^3*g*h*m*z^3 + 648*a^3*b^3*c^5*e*j*k*z^3 + 648*a^3*b^3*c^5 \\
& *d*j*l*z^3 - 81*a^2*b^5*c^4*e*j*k*z^3 - 81*a^2*b^5*c^4*d*j*l*z^3 + 2592*a^3 \\
& *b^3*c^5*e*g*m*z^3 + 2592*a^3*b^3*c^5*d*h*m*z^3 - 1296*a^3*b^3*c^5*f*h*k*z^ \\
& 3 - 1296*a^3*b^3*c^5*f*g*l*z^3 - 1296*a^3*b^3*c^5*e*h*l*z^3 + 648*a^3*b^3*c \\
& ^5*g*h*j*z^3 - 324*a^2*b^5*c^4*e*g*m*z^3 - 324*a^2*b^5*c^4*d*h*m*z^3 + 162* \\
& a^2*b^5*c^4*f*h*k*z^3 + 162*a^2*b^5*c^4*f*g*l*z^3 + 162*a^2*b^5*c^4*e*h*l*z \\
& ^3 - 81*a^2*b^5*c^4*g*h*j*z^3 + 5184*a^3*b^2*c^6*d*e*m*z^3 - 2592*a^3*b^2*c \\
& ^6*e*g*j*z^3 - 2592*a^3*b^2*c^6*d*h*j*z^3 - 2106*a^2*b^4*c^5*d*e*m*z^3 + 12 \\
& 96*a^3*b^2*c^6*e*f*k*z^3 + 1296*a^3*b^2*c^6*d*g*k*z^3 + 1296*a^3*b^2*c^6*d* \\
& f*l*z^3 + 324*a^2*b^4*c^5*e*g*j*z^3 + 324*a^2*b^4*c^5*d*h*j*z^3 - 162*a^2*b \\
& ^4*c^5*e*f*k*z^3 - 162*a^2*b^4*c^5*d*g*k*z^3 - 162*a^2*b^4*c^5*d*f*l*z^3 +
\end{aligned}$$

$$\begin{aligned}
& 1296a^3b^2c^6fg^*hz^3 - 162a^2b^4c^5fg^*hz^3 + 1944a^2b^3c^6d \\
& *ej^*z^3 - 1296a^2b^2c^7d*ef^*z^3 + 81a^2b^8c^*k^*l^*m^*z^3 + 6480a^5b \\
& *c^5j^*k^*l^*z^3 + 2592a^5b^*c^5h^*k^*m^*z^3 + 2592a^5b^*c^5g^*l^*m^*z^3 - 1296 \\
& *a^4b^*c^6e^*j^*k^*z^3 - 1296a^4b^*c^6d^*j^*l^*z^3 - 5184a^4b^*c^6e^*g^*m^*z^3 \\
& - 5184a^4b^*c^6d^*h^*m^*z^3 + 2592a^4b^*c^6f^*h^*k^*z^3 + 2592a^4b^*c^6f^*g^* \\
& l^*z^3 + 2592a^4b^*c^6e^*h^*l^*z^3 - 1296a^4b^*c^6g^*h^*j^*z^3 + 243a^*b^6c^4 \\
& *d^*e^*m^*z^3 - 3888a^3b^*c^7d^*e^*j^*z^3 - 243a^*b^5c^5d^*e^*j^*z^3 + 162a^*b^4 \\
& *c^6d^*e^*f^*z^3 - 2592a^6c^5k^*l^*m^*z^3 - 5184a^5c^6h^*j^*k^*z^3 - 5184a^5 \\
& *c^6g^*j^*l^*z^3 - 5184a^5c^6f^*j^*m^*z^3 + 2592a^5c^6f^*k^*l^*z^3 + 2592a^5 \\
& *c^6e^*k^*m^*z^3 + 2592a^5c^6d^*l^*m^*z^3 + 2592a^5c^6g^*h^*m^*z^3 + 5184a^4 \\
& *c^7e^*g^*j^*z^3 + 5184a^4c^7d^*h^*j^*z^3 - 2592a^4c^7e^*f^*k^*z^3 - 2592a^4 \\
& *c^7d^*g^*k^*z^3 - 2592a^4c^7d^*f^*l^*z^3 - 2592a^4c^7d^*e^*m^*z^3 - 2592a^4 \\
& *c^7f^*g^*h^*z^3 + 2592a^3c^8d^*e^*f^*z^3 + 6480a^5b^2c^4j^*m^2z^3 + 6480 \\
& *a^4b^3c^4j^2m^z^3 - 5022a^4b^4c^3j^*m^2z^3 - 1296a^3b^5c^3j^2m^z^3 + 1134a^3b^6c^2j^*m^2z^3 \\
& + 81a^2b^7c^2j^2m^z^3 + 2592a^4b^3c^4h^*l^2z^3 - 1944a^4b^2c^5h^2l^z^3 - 810a^3b^5c^3h^*l^2z^3 + \\
& 729a^3b^4c^4h^2l^z^3 + 81a^2b^7c^2h^*l^2z^3 - 81a^2b^6c^3h^2l^z^3 - 5184a^4b^3c^4f^*m^2z^3 \\
& + 1620a^3b^5c^3f^*m^2z^3 + 1296a^3b^3c^5f^2m^z^3 - 162a^2b^7c^2f^*m^2z^3 - 162a^2b^5c^4f^2m^z^3 - \\
& 1944a^4b^2c^5g^*k^2z^3 + 729a^3b^4c^4g^*k^2z^3 - 648a^3b^3c^5g^2k^z^3 - 81a^2b^6c^3g^*k^2z^3 \\
& + 81a^2b^5c^4g^2k^z^3 - 1944a^4b^2c^5e^*l^2z^3 + 729a^3b^4c^4e^*l^2z^3 + 648a^3b^2c^6e^2l^z^3 - 8 \\
& 1a^2b^6c^3e^*l^2z^3 - 81a^2b^4c^5e^2l^z^3 + 1296a^3b^3c^5f^*j^2z^3 - 1296a^3b^2c^6f^2j^z^3 \\
& - 162a^2b^5c^4f^*j^2z^3 + 162a^2b^4c^5f^2j^z^3 - 648a^3b^3c^5d^*k^2z^3 + 81a^2b^5c^4d^*k^2z^3 + 648 \\
& *a^3b^2c^6e^*h^2z^3 - 81a^2b^4c^5e^*h^2z^3 - 648a^2b^2c^7d^2g^*z^3 - 10368a^5b^*c^5j^2m^z^3 \\
& - 81a^2b^8c^*j^*m^2z^3 - 2592a^5b^*c^5h^*l^2z^3 + 5184a^5b^*c^5f^*m^2z^3 - 2592a^4b^*c^6f^2m^z^3 \\
& + 1296a^4b^*c^6g^2k^z^3 - 2592a^4b^*c^6f^*j^2z^3 + 1296a^4b^*c^6d^*k^2z^3 + 81a^*b^4c^6d^2g^*z^3 \\
& + 2592a^6c^5j^*m^2z^3 + 1296a^5c^6h^2l^z^3 + 1296a^5c^6g^*k^2z^3 + 1296a^5c^6e^*l^2z^3 - 1296a^4c^7e^2l^z^3 \\
& + 2592a^4c^7f^2j^z^3 - 2592a^6b^*c^4m^3z^3 - 324a^3b^7c^*m^3z^3 - 27a^2b^8c^*l^3z^3 - 1296a^4c^7e^*h^2z^3 \\
& - 864a^5b^*c^5k^3z^3 + 1296a^3c^8d^2g^*z^3 + 432a^4b^*c^6h^3z^3 + 27a^*b^4c^6e^3z^3 - 432a^2b^*c^8d^3z^3 \\
& + 216a^*b^3c^7d^3z^3 + 1134a^4b^5c^2m^3z^3 - 432a^5b^3c^3m^3z^3 + 1512a^5b^2c^4l^3z^3 - 1107a^4b^4c^3l^3z^3 \\
& + 297a^3b^6c^2l^3z^3 + 864a^4b^3c^4k^3z^3 - 270a^3b^5c^3k^3z^3 + 27a^2b^7c^2k^3z^3 - 2592a^4b^2c^5j^3z^3 \\
& + 486a^3b^4c^4j^3z^3 - 27a^2b^6c^3j^3z^3 - 216a^3b^3c^5h^3z^3 + 27a^2b^5c^4h^3z^3 + 216a^3b^2c^6g^3z^3 \\
& - 27a^2b^4c^5g^3z^3 - 216a^2b^2c^7e^3z^3 - 432a^6c^5l^3z^3 + 27a^2b^9m^3z^3 + 4320a^5c^6j^3z^3 - 432a^4c^7g^3z^3 \\
& + 432a^3c^8e^3z^3 - 27b^5c^6d^3z^3 + 81a^3b^6c^*j^*k^*l^*m^*z^2 - 1296a^5b^*c^4h^*j^*k^*m^*z^2 - 1296a^5b^*c^4g^*j^*l^*m^*z^2 \\
& + 1296a^5b^*c^4f^*k^*l^*m^*z^2 - 81a^2b^7c^*f^*k^*l^*m^*z^2 + 2592a^4b^*c^5e^*g^*j^*m^*z^2 + 2592a^4b^*c^5d^*h^*j^*m^*z^2 \\
& - 1296a^4b^*c^5f^*h^*j^*k^*z^2 - 1296a^4b^*c^5f^*g^*j^*l^*z^2 - 1296a^4b^*c^5e^*f^*k^*m^*z^2 - 1296a^4b^*c^5d^*f^*l^*m^*z^2 - 64 \\
& 8a^4b^*c^5e^*h^*j^*l^*z^2 - 648a^4b^*c^5e^*g^*k^*l^*z^2 - 648a^4b^*c^5d^*h^*k^*l^*z^2 - 648a^4b^*c^5d^*g^*k^*m^*z^2 \\
& - 1296a^4b^*c^5f^*g^*h^*m^*z^2 - 162a^*b^6c^3d^*e^*j^*m^*z^2 + 81a^*b^6c^3d^*e^*k^*l^*z^2 + 1296a^3b^*c^6d^*e^*f^*m^*z^2 - 64 \\
& 8a^3b^*c^6d^*f^*g^*k^*z^2 - 648a^3b^*c^6d^*e^*h^*k^*z^2 - 648a^3b^*c^6d^*e^*g^*l^*z^2 - 81a^*b^5c^4d^*e^*h^*k^*z^2 - 81a^*b^5c^4d^*e^*g^*l^*z^2 \\
& + 81a^*b^5c^4d^*e^*f^*m^*z^2 - 81a^*b^4c^5d^*e^*f^*j^*z^2 + 81a^*b^4c^5d^*e^*g^*h^*z^2 + 648a^5b^2c^3j^*k^*l^*m^*z^2 - 567a^4b^4c^2j^*k^*l^*m^*z^2 \\
& - 1944a^4b^3c^3f^*k^*l^*m^*z^2 + 729a^3b^5c^2f^*k^*l^*m^*z^2 + 648a^4b^3c^3h^*j^*k^*m^*z^2 + 648a^4b^3c^3g^*j^*l^*m^*z^2 \\
& - 81a^3b^5c^2h^*j^*k^*m^*z^2 - 81a^3b^5c^2g^*j^*l^*m^*z^2 + 1944a^4b^2c^4f^*j^*k^*l^*z^2 - 729a^3b^4c^3f^*j^*k^*l^*z^2 + 648a^4b^2c^4e^*j^*k^*m^*z^2 \\
& + 648a^4b^2c^4d^*j^*l^*m^*z^2 - 81a^3b^4c^3e^*j^*k^*m^*z^2 - 81a^3b^4c^3d^*j^*l^*m^*z^2 + 81a^2b^6c^2f^*j^*k^*l^*z^2 + 1296a^4b^2c^4f^*h^*k^*m^*z^2 \\
& + 1296a^4b^2c^4f^*g^*l^*m^*z^2 + 648a^4b^2c^4g^*h^*j^*m^*
\end{aligned}$$

$$\begin{aligned}
& z^2 - 648a^3b^4c^3f^hkkmmz^2 - 648a^3b^4c^3fglmmz^2 - 324a^4b^2c^4g^hkk1z^2 - 324a^4b^2c^4eh1mmz^2 + 81a^3b^4c^3g^hkk1z^2 \\
& - 81a^3b^4c^3g^hjmz^2 + 81a^2b^6c^2f^hkkmmz^2 + 81a^2b^6c^2f^g1mmz^2 - 1296a^3b^3c^4e^gjmz^2 - 1296a^3b^3c^4d^hjmz^2 \\
& + 648a^3b^3c^4f^hjmz^2 + 648a^3b^3c^4f^gjmz^2 + 648a^3b^3c^4e^fkmmz^2 + 648a^3b^3c^4d^f1mmz^2 + 486a^3b^3c^4e^gk1z^2 \\
& + 486a^3b^3c^4d^hkk1z^2 + 162a^3b^3c^4e^hj1z^2 + 162a^3b^3c^4d^gkmmz^2 + 162a^2b^5c^3e^gjmz^2 + 162a^2b^5c^3d^hjmz^2 \\
& - 81a^2b^5c^3f^hjmz^2 - 81a^2b^5c^3f^gjmz^2 - 81a^2b^5c^3e^gk1z^2 - 81a^2b^5c^3e^fkmmz^2 - 81a^2b^5c^3d^hkk1z^2 - 81a^2b^5c^3d^f1mmz^2 \\
& + 648a^3b^3c^4f^g^hmmz^2 - 81a^2b^5c^3f^g^hmmz^2 - 3240a^3b^2c^5d^e^jmmz^2 + 1620a^3b^2c^5d^e^k1z^2 + 1377a^2b^4c^4d^e^jmmz^2 \\
& - 648a^3b^2c^5e^f^jmmz^2 - 648a^3b^2c^5d^f^jmmz^2 - 648a^2b^4c^4d^e^k1z^2 - 324a^3b^2c^5d^g^jmmz^2 + 81a^2b^4c^4e^f^jmmz^2 \\
& + 81a^2b^4c^4d^f^jmmz^2 + 972a^3b^2c^5e^f^h1z^2 - 648a^3b^2c^5f^g^hjmz^2 - 324a^3b^2c^5e^g^hkkz^2 - 324a^3b^2c^5d^g^h1z^2 \\
& - 162a^2b^4c^4e^f^h1z^2 + 81a^2b^4c^4f^g^hjmz^2 + 81a^2b^4c^4e^g^hkkz^2 + 81a^2b^4c^4d^g^h1z^2 - 648a^2b^3c^5d^e^f^mmz^2 \\
& + 486a^2b^3c^5d^e^hkkz^2 + 486a^2b^3c^5d^e^g1z^2 + 162a^2b^3c^5d^f^gkz^2 + 648a^2b^2c^6d^e^f^jmmz^2 - 324a^2b^2c^6d^e^g^hmmz^2 \\
& - 1296a^6b^c^3k1m^2z^2 - 81a^4b^5c^k1m^2z^2 - 1296a^5b^c^4j^2k1z^2 - 324a^5b^c^4h^21mmz^2 + 324a^5b^c^4h^k^21z^2 \\
& - 324a^5b^c^4g^k^2mmz^2 + 972a^5b^c^4h^j1^2z^2 + 324a^5b^c^4g^k1^2z^2 - 324a^5b^c^4e^1^2mmz^2 - 324a^4b^c^5e^21mmz^2 \\
& - 1944a^5b^c^4f^jmm^2z^2 + 1296a^5b^c^4e^kmm^2z^2 + 1296a^5b^c^4d^1m^2z^2 + 648a^4b^c^5f^2jmmz^2 + 81a^2b^7c^f^jmm^2z^2 + 1296a^5b^c^4g^hmm^2z^2 \\
& - 324a^4b^c^5g^2jmmz^2 + 324a^4b^c^5g^2h1z^2 + 972a^4b^c^5f^h^21z^2 + 324a^4b^c^5g^h^2kz^2 - 324a^4b^c^5e^h^2mmz^2 \\
& - 324a^4b^c^5d^jmm^2z^2 - 324a^3b^c^6d^2jmmz^2 + 972a^4b^c^5f^gk^2z^2 + 972a^3b^c^6d^2gmmz^2 + 324a^4b^c^5e^hkk^2z^2 \\
& + 324a^3b^c^6d^2h1z^2 + 81a^b^5c^4d^2gmmz^2 + 972a^4b^c^5e^f1^2z^2 + 324a^4b^c^5d^g1^2z^2 - 324a^3b^c^6e^2hjmz^2 + 324a^3b^c^6e^2gkz^2 \\
& - 324a^3b^c^6e^2f1z^2 - 1296a^4b^c^5d^e^mm^2z^2 + 81a^b^7c^2d^e^mm^2z^2 - 324a^3b^c^6d^g^2jmmz^2 - 81a^b^4c^5d^2g^jmmz^2 \\
& + 81a^b^4c^5d^2e1z^2 + 324a^3b^c^6e^g^2hmmz^2 + 81a^b^4c^5d^2e^kz^2 + 1296a^3b^c^6d^e^j^2z^2 - 324a^3b^c^6e^f^h^2z^2 \\
& + 324a^3b^c^6d^g^h^2z^2 + 81a^b^5c^4d^e^j^2z^2 - 324a^2b^c^7d^2f^gmmz^2 + 81a^b^3c^6d^2f^gmmz^2 - 81a^b^3c^6d^2e^hmmz^2 \\
& + 324a^2b^c^7d^2e^hmmz^2 + 81a^b^3c^6d^2e^gmmz^2 - 81a^b^3c^6d^2e^gmmz^2 + 1296a^6c^4j^k1mmz^2 - 1296a^5c^5f^jmmz^2 \\
& - 1296a^5c^5e^jmmz^2 - 1296a^5c^5d^jmmz^2 - 1296a^5c^5g^hjmz^2 + 1296a^5c^5e^h1mmz^2 + 1296a^4c^6e^f^jmmz^2 \\
& + 1296a^4c^6d^g^jmmz^2 + 1296a^4c^6d^f^jmmz^2 - 1296a^4c^6d^e^k1z^2 + 1296a^4c^6d^e^jmmz^2 + 1296a^4c^6f^g^hjmz^2 \\
& - 1296a^4c^6e^f^h1z^2 - 1296a^3c^7d^e^f^jmmz^2 + 648a^5b^3c^2k1m^2z^2 + 648a^4b^3c^3j^2k1z^2 + 486a^5b^2c^3h^1^2mmz^2 \\
& - 81a^4b^4c^2h^1^2mmz^2 + 81a^4b^3c^3h^21mmz^2 - 81a^3b^5c^2j^2k1z^2 - 162a^4b^2c^4g^2kmmz^2 - 81a^4b^3c^3h^k^21z^2 \\
& + 81a^4b^3c^3g^k^2mmz^2 - 567a^4b^3c^3h^j1^2z^2 + 486a^4b^2c^4h^2j1z^2 - 81a^4b^3c^3g^k1^2z^2 + 81a^4b^3c^3e^1^2mmz^2 \\
& + 81a^3b^5c^2h^j1^2z^2 - 81a^3b^4c^3h^2j1z^2 + 81a^3b^3c^4e^21mmz^2 + 2430a^4b^3c^3f^jmm^2z^2 - 2268a^4b^2c^4f^j^2mmz^2 \\
& - 810a^3b^5c^2f^jmm^2z^2 + 810a^3b^4c^3f^j^2mmz^2 - 648a^4b^3c^3e^kmm^2z^2 - 648a^4b^3c^3d^1m^2z^2 - 648a^4b^2c^4h^j^2kmmz^2 \\
& - 648a^4b^2c^4g^j^21z^2 - 162a^3b^3c^4f^2jmmz^2 + 81a^3b^5c^2e^kmm^2z^2 + 81a^3b^5c^2d^1m^2z^2 + 81a^3b^4c^3h^j^2kmmz^2 \\
& + 81a^3b^4c^3g^j^21z^2 - 81a^2b^6c^2f^j^2mmz^2 - 648a^4b^3c^3g^hmm^2z^2 + 486a^4b^2c^4g^j^2k^2z^2 - 486a^4b^2c^4e^k^21z^2 \\
& + 486a^3b^2c^5d^2kmmz^2 - 162a^4b^2c^4d^k^2mmz^2 + 81a^3b^5c^2g^hmm^2z^2 - 81a^3b^4c^3g^j^2k^2z^2 + 81a^3b^4c^3e^k^21z^2 + 8
\end{aligned}$$

$$\begin{aligned}
& 1*a^3*b^3*c^4*g^2*j*k*z^2 - 81*a^2*b^4*c^4*d^2*k*m*z^2 + 486*a^4*b^2*c^4*e* \\
& j^1^2*z^2 - 486*a^4*b^2*c^4*d*k^1^2*z^2 - 162*a^3*b^2*c^5*e^2*j^1*z^2 - 81* \\
& a^3*b^4*c^3*e*j^1^2*z^2 + 81*a^3*b^4*c^3*d*k^1^2*z^2 - 81*a^3*b^3*c^4*g^2*h \\
& *l^1*z^2 - 1458*a^4*b^2*c^4*f*h^1^2*z^2 + 648*a^3*b^4*c^3*f*h^1^2*z^2 - 567*a \\
& ^3*b^3*c^4*f*h^2*1*z^2 + 486*a^3*b^2*c^5*e^2*h*m*z^2 - 81*a^3*b^3*c^4*g*h^2 \\
& *k*z^2 + 81*a^3*b^3*c^4*e*h^2*m*z^2 - 81*a^2*b^6*c^2*f*h^1^2*z^2 + 81*a^2*b \\
& ^5*c^3*f*h^2*1*z^2 - 81*a^2*b^4*c^4*e^2*h*m*z^2 - 1296*a^4*b^2*c^4*e*g*m^2* \\
& z^2 - 1296*a^4*b^2*c^4*d*h*m^2*z^2 + 648*a^3*b^4*c^3*e*g*m^2*z^2 + 648*a^3* \\
& b^4*c^3*d*h*m^2*z^2 + 81*a^3*b^3*c^4*d*j*k^2*z^2 - 81*a^2*b^6*c^2*e*g*m^2*z \\
& ^2 - 81*a^2*b^6*c^2*d*h*m^2*z^2 + 81*a^2*b^3*c^5*d^2*j*k*z^2 - 567*a^3*b^3* \\
& c^4*f*g*k^2*z^2 - 567*a^2*b^3*c^5*d^2*g*m*z^2 + 486*a^3*b^2*c^5*f*g^2*k*z^2 \\
& - 486*a^3*b^2*c^5*e*g^2*1*z^2 + 486*a^3*b^2*c^5*d*g^2*m*z^2 - 81*a^3*b^3*c \\
& ^4*e*h*k^2*z^2 + 81*a^2*b^5*c^3*f*g*k^2*z^2 - 81*a^2*b^4*c^4*f*g^2*k*z^2 + \\
& 81*a^2*b^4*c^4*e*g^2*1*z^2 - 81*a^2*b^4*c^4*d*g^2*m*z^2 - 81*a^2*b^3*c^5*d^ \\
& 2*h^1*z^2 - 567*a^3*b^3*c^4*e*f^1^2*z^2 - 486*a^3*b^2*c^5*d*h^2*k*z^2 - 162 \\
& *a^3*b^2*c^5*e*h^2*j*z^2 - 81*a^3*b^3*c^4*d*g^1^2*z^2 + 81*a^2*b^5*c^3*e*f* \\
& l^2*z^2 + 81*a^2*b^4*c^4*d*h^2*k*z^2 + 81*a^2*b^3*c^5*e^2*h*j*z^2 - 81*a^2* \\
& b^3*c^5*e^2*g*k*z^2 + 81*a^2*b^3*c^5*e^2*f^1*z^2 + 1944*a^3*b^3*c^4*d*e*m^2 \\
& *z^2 - 729*a^2*b^5*c^3*d*e*m^2*z^2 + 648*a^3*b^2*c^5*e*g*j^2*z^2 + 648*a^3* \\
& b^2*c^5*d*h*j^2*z^2 - 81*a^2*b^4*c^4*e*g*j^2*z^2 - 81*a^2*b^4*c^4*d*h*j^2*z \\
& ^2 + 486*a^3*b^2*c^5*d*f*k^2*z^2 + 486*a^2*b^2*c^6*d^2*g*j*z^2 - 486*a^2*b^ \\
& 2*c^6*d^2*e^1*z^2 - 162*a^2*b^2*c^6*d^2*f*k*z^2 - 81*a^2*b^4*c^4*d*f*k^2*z^ \\
& 2 + 81*a^2*b^3*c^5*d*g^2*j*z^2 - 486*a^2*b^2*c^6*d*e^2*k*z^2 - 81*a^2*b^3*c \\
& ^5*e*g^2*h*z^2 - 648*a^2*b^3*c^5*d*e*j^2*z^2 - 162*a^2*b^2*c^6*e^2*f*h*z^2 \\
& + 81*a^2*b^3*c^5*e*f*h^2*z^2 - 81*a^2*b^3*c^5*d*g*h^2*z^2 - 162*a^2*b^2*c^6 \\
& *d*f*g^2*z^2 - 189*a^5*b^3*c^2*1^3*m*z^2 + 162*a^5*b^2*c^3*k^3*m*z^2 - 27*a \\
& ^4*b^4*c^2*k^3*m*z^2 - 702*a^4*b^3*c^3*j^3*m*z^2 - 81*a^3*b^6*c*j^2*m^2*z^2 \\
& + 81*a^3*b^5*c^2*j^3*m*z^2 - 54*a^5*b^3*c^2*j*m^3*z^2 - 486*a^5*b^2*c^3*j* \\
& l^3*z^2 + 216*a^4*b^4*c^2*j^1^3*z^2 - 189*a^4*b^3*c^3*j*k^3*z^2 - 54*a^4*b^ \\
& 2*c^4*h^3*m*z^2 + 27*a^3*b^5*c^2*j*k^3*z^2 + 27*a^3*b^3*c^4*g^3*m*z^2 - 810 \\
& *a^4*b^4*c^2*f*m^3*z^2 + 540*a^5*b^2*c^3*f*m^3*z^2 - 324*a^3*b^2*c^5*f^3*m* \\
& z^2 + 54*a^2*b^4*c^4*f^3*m*z^2 + 675*a^4*b^3*c^3*f^1^3*z^2 - 243*a^3*b^5*c^ \\
& 2*f^1^3*z^2 - 189*a^2*b^3*c^5*e^3*m*z^2 + 27*a^3*b^3*c^4*h^3*j*z^2 - 486*a^ \\
& 4*b^2*c^4*f*k^3*z^2 - 486*a^2*b^2*c^6*d^3*m*z^2 + 216*a^3*b^4*c^3*f*k^3*z^2 \\
& - 54*a^3*b^2*c^5*g^3*j*z^2 - 27*a^2*b^6*c^2*f*k^3*z^2 - 270*a^3*b^3*c^4*f* \\
& j^3*z^2 - 54*a^2*b^3*c^5*f^3*j*z^2 + 27*a^2*b^5*c^3*f*j^3*z^2 + 162*a^2*b^2 \\
& *c^6*e^3*j*z^2 + 162*a^3*b^2*c^5*f*h^3*z^2 - 27*a^2*b^4*c^4*f*h^3*z^2 + 27* \\
& a^2*b^3*c^5*f*g^3*z^2 + 81*a*b^2*c^7*d^2*e^2*z^2 - 648*a^6*c^4*h^1^2*m*z^2 \\
& + 648*a^5*c^5*g^2*k*m*z^2 - 648*a^5*c^5*h^2*j^1*z^2 + 1296*a^5*c^5*h*j^2*k* \\
& z^2 + 1296*a^5*c^5*g*j^2*1*z^2 + 1296*a^5*c^5*f*j^2*m*z^2 - 648*a^5*c^5*g*j \\
& *k^2*z^2 + 648*a^5*c^5*e*k^2*1*z^2 + 648*a^5*c^5*d*k^2*m*z^2 - 648*a^4*c^6* \\
& d^2*k*m*z^2 - 648*a^5*c^5*e*j^1^2*z^2 + 648*a^5*c^5*d*k^1^2*z^2 + 648*a^4*c \\
& ^6*e^2*j^1*z^2 + 324*a^6*b*c^3*1^3*m*z^2 + 27*a^4*b^5*c*1^3*m*z^2 + 648*a^5 \\
& *c^5*f*h^1^2*z^2 - 648*a^4*c^6*e^2*h*m*z^2 + 1512*a^5*b*c^4*j^3*m*z^2 + 108 \\
& 0*a^6*b*c^3*j*m^3*z^2 - 162*a^4*b^5*c*j*m^3*z^2 - 648*a^4*c^6*f*g^2*k*z^2 + \\
& 648*a^4*c^6*e*g^2*1*z^2 - 648*a^4*c^6*d*g^2*m*z^2 - 27*a^3*b^6*c*j^1^3*z^2 \\
& + 648*a^4*c^6*e*h^2*j*z^2 + 648*a^4*c^6*d*h^2*k*z^2 + 324*a^5*b*c^4*j*k^3* \\
& z^2 - 1296*a^4*c^6*e*g*j^2*z^2 - 1296*a^4*c^6*d*h*j^2*z^2 - 108*a^4*b*c^5*g \\
& ^3*m*z^2 - 648*a^4*c^6*d*f*k^2*z^2 - 648*a^3*c^7*d^2*g*j*z^2 + 648*a^3*c^7* \\
& d^2*f*k*z^2 + 648*a^3*c^7*d^2*e^1*z^2 + 270*a^3*b^6*c*f*m^3*z^2 + 648*a^3*c \\
& ^7*d*e^2*k*z^2 - 540*a^5*b*c^4*f^1^3*z^2 + 324*a^3*b*c^6*e^3*m*z^2 - 108*a^ \\
& 4*b*c^5*h^3*j*z^2 + 27*a^2*b^7*c*f^1^3*z^2 + 27*a*b^5*c^4*e^3*m*z^2 + 648*a \\
& ^3*c^7*e^2*f*h*z^2 + 216*a*b^4*c^5*d^3*m*z^2 + 648*a^4*b*c^5*f*j^3*z^2 + 21 \\
& 6*a^3*b*c^6*f^3*j*z^2 + 648*a^3*c^7*d*f*g^2*z^2 - 27*a*b^4*c^5*e^3*j*z^2 + \\
& 324*a^2*b*c^7*d^3*j*z^2 - 189*a*b^3*c^6*d^3*j*z^2 - 108*a^3*b*c^6*f*g^3*z^2 \\
& - 108*a^2*b*c^7*e^3*f*z^2 + 27*a*b^3*c^6*e^3*f*z^2 + 162*a*b^2*c^7*d^3*f*z \\
& ^2 - 1134*a^5*b^2*c^3*j^2*m^2*z^2 + 648*a^4*b^4*c^2*j^2*m^2*z^2 + 81*a^5*b^ \\
& 2*c^3*k^2*1^2*z^2 + 162*a^4*b^2*c^4*f^2*m^2*z^2 + 81*a^4*b^2*c^4*h^2*k^2*z^ \\
& 2 + 81*a^4*b^2*c^4*g^2*1^2*z^2 + 162*a^3*b^2*c^5*f^2*j^2*z^2 + 81*a^3*b^2*c
\end{aligned}$$

$$\begin{aligned}
& ^5e^2k^2z^2 + 81a^3b^2c^5d^2l^2z^2 + 81a^3b^2c^5g^2h^2z^2 + \\
& 81a^2b^2c^6e^2g^2z^2 + 81a^2b^2c^6d^2h^2z^2 - 216a^6c^4k^3m \\
& *z^2 + 216a^6c^4j^3z^2 + 27a^3b^7j^3m^3z^2 + 216a^5c^5h^3m^3z^2 \\
& + 432a^6c^4f^3m^3z^2 + 432a^4c^6f^3m^3z^2 - 27b^6c^4d^3m^3z^2 - 2 \\
& 7a^2b^8f^3m^3z^2 + 216a^5c^5f^3k^3z^2 + 216a^4c^6g^3j^3z^2 + 216a \\
& ^3c^7d^3m^3z^2 + 216a^5b^4c^4m^4z^2 - 216a^3c^7e^3j^3z^2 + 27b^5c \\
& ^5d^3j^3z^2 - 216a^4c^6f^3h^3z^2 - 27b^4c^6d^3f^3z^2 - 216a^2c^8d \\
& ^3f^3z^2 - 648a^6c^4j^2m^2z^2 - 324a^6c^4k^2l^2z^2 - 648a^5c^5f \\
& ^2m^2z^2 - 324a^5c^5h^2k^2z^2 - 324a^5c^5g^2l^2z^2 - 648a^4c \\
& ^6f^2j^2z^2 - 324a^4c^6e^2k^2z^2 - 324a^4c^6d^2l^2z^2 - 405a^ \\
& 6b^2c^2m^4z^2 - 324a^4c^6g^2h^2z^2 - 324a^3c^7e^2g^2z^2 - 324 \\
& *a^3c^7d^2h^2z^2 + 243a^4b^2c^4j^4z^2 - 27a^3b^4c^3j^4z^2 - 3 \\
& 24a^2c^8d^2e^2z^2 + 27a^2b^2c^6f^4z^2 - 108a^7c^3m^4z^2 - 27* \\
& a^4b^6m^4z^2 - 540a^5c^5j^4z^2 - 108a^3c^7f^4z^2 - 216a^5b^c^3 \\
& *f^3j^3k^3l^3m^3 - 54a^3b^5c^3f^3j^3k^3l^3m^3 + 27a^3b^5c^3g^3h^3k^3l^3m^3 - 27a^2 \\
& *b^6c^3e^3g^3k^3l^3m^3 - 27a^2b^6c^3d^3h^3k^3l^3m^3 + 432a^4b^3c^4d^3g^3j^3k^3m^3 - \\
& 432a^4b^3c^4d^3e^3k^3l^3m^3 + 216a^4b^3c^4e^3g^3j^3k^3l^3m^3 + 216a^4b^3c^4e^3f^3 \\
& j^3k^3m^3 + 216a^4b^3c^4d^3h^3j^3k^3l^3m^3 + 216a^4b^3c^4d^3f^3j^3l^3m^3 + 216a^4b \\
& *c^4f^3g^3h^3j^3m^3 - 27a^3b^6c^2d^3e^3j^3k^3l^3m^3 - 27a^3b^6c^2d^3e^3h^3k^3m^3 - 27 \\
& *a^3b^6c^2d^3e^3g^3l^3m^3 + 216a^3b^3c^5d^3e^3h^3j^3k^3z + 216a^3b^3c^5d^3e^3g^3j^3 \\
& l^3z - 216a^3b^3c^5d^3e^3f^3j^3m^3 + 27a^3b^5c^3d^3e^3h^3j^3k^3z + 27a^3b^5c^3d \\
& *e^3g^3j^3l^3z + 27a^3b^5c^3d^3e^3g^3h^3m^3 - 27a^3b^4c^4d^3e^3g^3h^3j^3z + 27a^3b^7 \\
& *c^3d^3e^3k^3l^3m^3 + 270a^4b^3c^2f^3j^3k^3l^3m^3 - 108a^4b^3c^2g^3h^3k^3l^3m^3 \\
& - 216a^4b^2c^3f^3h^3j^3k^3m^3 - 216a^4b^2c^3f^3g^3j^3l^3m^3 - 216a^4b^2c \\
& ^3e^3g^3k^3l^3m^3 - 216a^4b^2c^3d^3h^3k^3l^3m^3 + 162a^3b^4c^2e^3g^3k^3l^3m^3 \\
& + 162a^3b^4c^2d^3h^3k^3l^3m^3 + 108a^4b^2c^3g^3h^3j^3k^3l^3z + 108a^4b^2c \\
& ^3e^3h^3j^3l^3m^3 + 54a^3b^4c^2f^3h^3j^3k^3m^3 + 54a^3b^4c^2f^3g^3j^3l^3m^3 - \\
& 27a^3b^4c^2g^3h^3j^3k^3l^3z + 540a^3b^3c^3d^3e^3k^3l^3m^3 - 216a^2b^5c^2* \\
& d^3e^3k^3l^3m^3 - 162a^3b^3c^3e^3g^3j^3k^3l^3z - 162a^3b^3c^3d^3h^3j^3k^3l^3z - 1 \\
& 08a^3b^3c^3d^3g^3j^3k^3m^3 - 54a^3b^3c^3e^3f^3j^3k^3m^3 - 54a^3b^3c^3d^3 \\
& *f^3j^3l^3m^3 + 27a^2b^5c^2e^3g^3j^3k^3l^3z + 27a^2b^5c^2d^3h^3j^3k^3l^3z - 108a \\
& ^3b^3c^3e^3g^3h^3k^3m^3 - 108a^3b^3c^3d^3g^3h^3l^3m^3 - 54a^3b^3c^3f^3g^3h \\
& *j^3m^3 + 27a^2b^5c^2e^3g^3h^3k^3m^3 + 27a^2b^5c^2d^3g^3h^3l^3m^3 - 540a^3* \\
& b^2c^4d^3e^3j^3k^3l^3z + 216a^2b^4c^3d^3e^3j^3k^3l^3z - 216a^3b^2c^4d^3e^3h^3k \\
& *m^3 - 216a^3b^2c^4d^3e^3g^3l^3m^3 + 162a^2b^4c^3d^3e^3h^3k^3m^3 + 162a^2* \\
& b^4c^3d^3e^3g^3l^3m^3 + 108a^3b^2c^4e^3g^3h^3j^3k^3z - 108a^3b^2c^4e^3f^3h^3j \\
& *l^3z + 108a^3b^2c^4d^3g^3h^3j^3l^3z + 108a^3b^2c^4d^3f^3g^3k^3m^3 - 27a^2b \\
& ^4c^3e^3g^3h^3j^3k^3z - 27a^2b^4c^3d^3g^3h^3j^3l^3z - 162a^2b^3c^4d^3e^3h^3j^3k \\
& *z - 162a^2b^3c^4d^3e^3g^3j^3l^3z + 54a^2b^3c^4d^3e^3f^3j^3m^3 - 108a^2b^3 \\
& *c^4d^3e^3g^3h^3m^3 + 108a^2b^2c^5d^3e^3g^3h^3j^3z + 324a^6b^3c^2j^3k^3l^3m^2z \\
& - 81a^5b^3c^3j^3k^3l^3m^2z + 27a^4b^4c^3j^2k^3l^3m^3 - 27a^4b^4c^3h^3k^2* \\
& l^3m^3 - 27a^4b^4c^3g^3k^3l^2m^3 + 216a^5b^3c^3h^3j^2k^3m^3 + 216a^5b^3c^ \\
& 3g^3j^2l^3m^3 + 54a^4b^4c^3f^3k^3l^3m^2z + 27a^4b^4c^3h^3j^3k^3m^2z + 27a^ \\
& 4b^4c^3g^3j^3l^3m^2z + 27a^2b^6c^3f^2k^3l^3m^3 + 216a^5b^3c^3e^3k^2l^3m^3 \\
& - 108a^5b^3c^3h^3j^3k^2l^3z + 27a^3b^5c^3e^3k^2l^3m^3 + 216a^5b^3c^3d^3k^* \\
& l^2m^3 + 216a^4b^3c^4e^2j^3l^3m^3 - 108a^5b^3c^3g^3j^3k^3l^2z + 27a^3b^ \\
& 5c^3d^3k^3l^2m^3 - 324a^5b^3c^3e^3j^3k^3m^2z - 324a^5b^3c^3d^3j^3l^3m^2z - 2 \\
& 16a^5b^3c^3f^3h^3l^2m^3 - 108a^4b^3c^4f^2j^3k^3l^3z - 27a^3b^5c^3e^3j^3k^3m \\
& ^2z - 27a^3b^5c^3d^3j^3l^3m^2z - 324a^5b^3c^3g^3h^3j^3m^2z + 216a^5b^3c^3 \\
& *f^3h^3k^3m^2z + 216a^5b^3c^3f^3g^3l^3m^2z + 216a^5b^3c^3e^3h^3l^3m^2z - 216* \\
& a^4b^3c^4f^2h^3k^3m^3 - 216a^4b^3c^4f^2g^3l^3m^3 - 27a^3b^5c^3g^3h^3j^3m^2* \\
& z + 216a^4b^3c^4e^3g^2l^3m^3 - 108a^4b^3c^4g^2h^3j^3l^3z - 216a^4b^3c^4f \\
& *h^2j^3l^3z + 216a^4b^3c^4e^3h^2j^3m^3 + 216a^4b^3c^4d^3h^2k^3m^3 - 108a^ \\
& 4b^3c^4g^3h^2j^3k^3z - 432a^4b^3c^4e^3g^3j^2m^3 - 432a^4b^3c^4d^3h^3j^2m^3 \\
& + 216a^4b^3c^4f^3h^3j^2k^3z + 216a^4b^3c^4f^3g^3j^2l^3z + 27a^2b^6c^3e^3g \\
& *j^3m^2z + 27a^2b^6c^3d^3h^3j^3m^2z - 432a^3b^3c^5d^2g^3j^3m^3 - 216a^4b \\
& *c^4f^3g^3j^3k^2z + 216a^3b^3c^5d^2f^3k^3m^3 + 216a^3b^3c^5d^2e^3l^3m^3 - \\
& 108a^4b^3c^4e^3h^3j^3k^2z - 108a^4b^3c^4d^3g^3k^2l^3z - 108a^3b^3c^5d^2h \\
& *j^3l^3z + 108a^3b^3c^5d^2g^3k^3l^3z - 54a^3b^5c^3d^2g^3j^3m^3 + 27a^3b^5c^
\end{aligned}$$

$$\begin{aligned}
& 3*d^2*g*k*1*z + 27*a*b^5*c^3*d^2*e*1*m*z - 216*a^4*b*c^4*e*f*j*1^2*z + 216* \\
& a^3*b*c^5*d*e^2*k*m*z - 108*a^4*b*c^4*d*g*j*1^2*z - 108*a^3*b*c^5*e^2*g*j*k \\
& *z + 27*a*b^5*c^3*d*e^2*k*m*z + 324*a^4*b*c^4*d*e*j*m^2*z + 216*a^3*b*c^5*e \\
& ^2*f*h*m*z - 108*a^4*b*c^4*e*g*h*1^2*z + 108*a^3*b*c^5*e^2*g*h*1*z + 108*a^ \\
& 3*b*c^5*e*f^2*j*k*z + 108*a^3*b*c^5*d*f^2*j*1*z + 27*a*b^6*c^2*d*e*j^2*m*z \\
& - 216*a^3*b*c^5*e*f^2*h*1*z + 108*a^3*b*c^5*f^2*g*h*j*z - 27*a*b^4*c^4*d^2* \\
& e*j*1*z + 216*a^3*b*c^5*d*f*g^2*m*z - 108*a^3*b*c^5*e*g^2*h*j*z + 54*a*b^4* \\
& c^4*d^2*f*g*m*z - 27*a*b^4*c^4*d^2*g*h*k*z - 27*a*b^4*c^4*d^2*e*h*m*z - 27* \\
& a*b^4*c^4*d*e^2*j*k*z - 108*a^3*b*c^5*d*g*h^2*j*z + 54*a*b^4*c^4*d*e^2*h*1* \\
& z + 27*a*b^6*c^2*d*e*h*1^2*z - 27*a*b^5*c^3*d*e*h^2*1*z - 27*a*b^4*c^4*d*e^ \\
& 2*g*m*z - 27*a*b^4*c^4*d*e*f^2*m*z + 216*a^2*b*c^6*d^2*f*g*j*z - 108*a^3*b* \\
& c^5*d*e*g*k^2*z - 108*a^2*b*c^6*d^2*e*h*j*z + 108*a^2*b*c^6*d^2*e*g*k*z - 5 \\
& 4*a*b^3*c^5*d^2*f*g*j*z - 27*a*b^5*c^3*d*e*g*k^2*z + 27*a*b^4*c^4*d*e*g^2*k \\
& *z + 27*a*b^3*c^5*d^2*e*h*j*z - 27*a*b^3*c^5*d^2*e*g*k*z - 108*a^2*b*c^6*d* \\
& e^2*g*j*z + 27*a*b^3*c^5*d*e^2*g*j*z - 108*a^2*b*c^6*d*e*f^2*j*z + 27*a*b^3 \\
& *c^5*d*e*f^2*j*z - 432*a^5*c^4*e*h*j*1*m*z + 432*a^4*c^5*d*e*j*k*1*z + 432* \\
& a^4*c^5*e*f*h*j*1*z - 432*a^4*c^5*d*f*g*k*m*z - 27*a*b^7*c*d*e*j*m^2*z - 54 \\
& *a^5*b^2*c^2*j^2*k*1*m*z + 108*a^5*b^2*c^2*h*k^2*1*m*z + 108*a^5*b^2*c^2*g* \\
& k*1^2*m*z - 54*a^5*b^2*c^2*h*j*1^2*m*z + 378*a^4*b^2*c^3*f^2*k*1*m*z - 270* \\
& a^5*b^2*c^2*f*k*1*m^2*z - 189*a^3*b^4*c^2*f^2*k*1*m*z - 108*a^5*b^2*c^2*h*j \\
& *k*m^2*z - 108*a^5*b^2*c^2*g*j*1*m^2*z - 54*a^4*b^3*c^2*h*j^2*k*m*z - 54*a^ \\
& 4*b^3*c^2*g*j^2*1*m*z - 162*a^4*b^3*c^2*e*k^2*1*m*z + 54*a^4*b^2*c^3*g^2*j* \\
& k*m*z + 27*a^4*b^3*c^2*h*j*k^2*1*z - 162*a^4*b^3*c^2*d*k*1^2*m*z + 108*a^4* \\
& b^2*c^3*g^2*h*1*m*z - 54*a^3*b^3*c^3*e^2*j*1*m*z + 27*a^4*b^3*c^2*g*j*k*1^2 \\
& *z - 27*a^3*b^4*c^2*g^2*h*1*m*z - 270*a^4*b^2*c^3*f*j^2*k*1*z + 189*a^4*b^3 \\
& *c^2*e*j*k*m^2*z + 189*a^4*b^3*c^2*d*j*1*m^2*z - 162*a^4*b^2*c^3*e*j^2*k*m* \\
& z - 162*a^4*b^2*c^3*d*j^2*1*m*z + 135*a^3*b^3*c^3*f^2*j*k*1*z + 108*a^4*b^2 \\
& *c^3*g*h^2*k*m*z + 54*a^4*b^3*c^2*f*h*1^2*m*z - 54*a^4*b^2*c^3*f*h^2*1*m*z \\
& + 54*a^3*b^4*c^2*f*j^2*k*1*z - 27*a^3*b^4*c^2*g*h^2*k*m*z + 27*a^3*b^4*c^2* \\
& e*j^2*k*m*z + 27*a^3*b^4*c^2*d*j^2*1*m*z - 27*a^2*b^5*c^2*f^2*j*k*1*z - 270 \\
& *a^3*b^2*c^4*d^2*j*k*m*z + 189*a^4*b^3*c^2*g*h*j*m^2*z - 162*a^4*b^2*c^3*g* \\
& h*j^2*m*z + 162*a^4*b^2*c^3*e*j*k^2*1*z + 162*a^3*b^3*c^3*f^2*h*k*m*z + 162 \\
& *a^3*b^3*c^3*f^2*g*1*m*z - 54*a^4*b^3*c^2*f*h*k*m^2*z - 54*a^4*b^3*c^2*f*g* \\
& 1*m^2*z - 54*a^4*b^3*c^2*e*h*1*m^2*z + 54*a^4*b^2*c^3*d*j*k^2*m*z + 54*a^2* \\
& b^4*c^3*d^2*j*k*m*z + 27*a^3*b^4*c^2*g*h*j^2*m*z - 27*a^3*b^4*c^2*e*j*k^2*1 \\
& *z - 27*a^2*b^5*c^2*f^2*h*k*m*z - 27*a^2*b^5*c^2*f^2*g*1*m*z + 162*a^4*b^2* \\
& c^3*d*j*k*1^2*z - 162*a^3*b^3*c^3*e*g^2*1*m*z + 108*a^4*b^2*c^3*e*h*k^2*m*z \\
& + 108*a^3*b^2*c^4*d^2*h*1*m*z - 54*a^4*b^2*c^3*f*g*k^2*m*z - 27*a^3*b^4*c^ \\
& 2*e*h*k^2*m*z - 27*a^3*b^4*c^2*d*j*k*1^2*z + 27*a^3*b^3*c^3*g^2*h*j*1*z + 2 \\
& 7*a^2*b^5*c^2*e*g^2*1*m*z - 27*a^2*b^4*c^3*d^2*h*1*m*z + 270*a^4*b^2*c^3*f* \\
& h*j*1^2*z - 270*a^3*b^2*c^4*e^2*h*j*m*z - 162*a^4*b^2*c^3*e*h*k*1^2*z - 162 \\
& *a^3*b^3*c^3*d*h^2*k*m*z + 162*a^3*b^2*c^4*e^2*h*k*1*z + 108*a^4*b^2*c^3*d* \\
& g*1^2*m*z + 108*a^3*b^2*c^4*e^2*g*k*m*z - 54*a^4*b^2*c^3*e*f*1^2*m*z - 54*a \\
& ^3*b^4*c^2*f*h*j*1^2*z + 54*a^3*b^3*c^3*f*h^2*j*1*z - 54*a^3*b^3*c^3*e*h^2* \\
& j*m*z + 54*a^3*b^2*c^4*e^2*f*1*m*z + 54*a^2*b^4*c^3*e^2*h*j*m*z + 27*a^3*b^ \\
& 4*c^2*e*h*k*1^2*z - 27*a^3*b^4*c^2*d*g*1^2*m*z + 27*a^3*b^3*c^3*g*h^2*j*k*z \\
& + 27*a^2*b^5*c^2*d*h^2*k*m*z - 27*a^2*b^4*c^3*e^2*h*k*1*z - 27*a^2*b^4*c^3 \\
& *e^2*g*k*m*z + 432*a^4*b^2*c^3*e*g*j*m^2*z + 432*a^4*b^2*c^3*d*h*j*m^2*z - \\
& 270*a^4*b^2*c^3*d*g*k*m^2*z - 216*a^3*b^4*c^2*e*g*j*m^2*z - 216*a^3*b^4*c^2 \\
& *d*h*j*m^2*z + 216*a^3*b^3*c^3*e*g*j^2*m*z + 216*a^3*b^3*c^3*d*h*j^2*m*z - \\
& 162*a^3*b^2*c^4*e*f^2*k*m*z - 162*a^3*b^2*c^4*d*f^2*1*m*z - 108*a^3*b^2*c^4 \\
& *f^2*h*j*k*z - 108*a^3*b^2*c^4*f^2*g*j*1*z + 54*a^4*b^2*c^3*e*f*k*m^2*z + 5 \\
& 4*a^4*b^2*c^3*d*f*1*m^2*z + 54*a^3*b^4*c^2*d*g*k*m^2*z - 54*a^3*b^3*c^3*f*h \\
& *j^2*k*z - 54*a^3*b^3*c^3*f*g*j^2*1*z - 27*a^2*b^5*c^2*e*g*j^2*m*z - 27*a^2 \\
& *b^5*c^2*d*h*j^2*m*z + 27*a^2*b^4*c^3*f^2*h*j*k*z + 27*a^2*b^4*c^3*f^2*g*j* \\
& 1*z + 27*a^2*b^4*c^3*e*f^2*k*m*z + 27*a^2*b^4*c^3*d*f^2*1*m*z + 324*a^2*b^3 \\
& *c^4*d^2*g*j*m*z - 270*a^3*b^2*c^4*d*g^2*j*m*z - 162*a^3*b^2*c^4*f^2*g*h*m* \\
& z + 162*a^3*b^2*c^4*e*g^2*j*1*z - 162*a^2*b^3*c^4*d^2*e*1*m*z - 135*a^2*b^3 \\
& *c^4*d^2*g*k*1*z + 108*a^3*b^2*c^4*d*g^2*k*1*z + 54*a^4*b^2*c^3*f*g*h*m^2*z
\end{aligned}$$

$$\begin{aligned}
& + 54a^3b^3c^3fg^2jk^2z - 54a^3b^2c^4fg^2jk^2z + 54a^2b^4c^3d^2g^2jkmz - 54a^2b^3c^4d^2f^2k^2mz + 27a^3b^3c^3e^2h^2jk^2z + 27 \\
& a^3b^3c^3d^2g^2k^2l^2z + 27a^2b^4c^3f^2g^2h^2mz - 27a^2b^4c^3e^2g^2 \\
& 2j^2l^2z - 27a^2b^4c^3d^2g^2k^2l^2z + 27a^2b^3c^4d^2h^2j^2l^2z + 162a^3 \\
& b^2c^4d^2h^2j^2k^2z - 162a^2b^3c^4d^2e^2k^2mz + 108a^3b^2c^4e^2g^2h^2 \\
& m^2z + 54a^3b^3c^3e^2f^2j^2l^2z + 27a^3b^3c^3d^2g^2j^2l^2z - 27a^2b^4 \\
& c^3e^2g^2h^2m^2z - 27a^2b^4c^3d^2h^2j^2k^2z + 27a^2b^3c^4e^2g^2j^2k^2z \\
& - 621a^3b^3c^3d^2e^2j^2m^2z + 594a^3b^2c^4d^2e^2j^2m^2z + 243a^2b^5c^2 \\
& d^2e^2j^2m^2z - 243a^2b^4c^3d^2e^2j^2m^2z + 135a^3b^3c^3e^2g^2h^2l^2z \\
& - 108a^3b^2c^4e^2g^2h^2l^2z + 108a^3b^2c^4d^2g^2h^2m^2z + 54a^3b^2c^4 \\
& e^2f^2j^2k^2z + 54a^3b^2c^4e^2f^2h^2m^2z + 54a^3b^2c^4d^2g^2j^2k^2z + \\
& 54a^3b^2c^4d^2f^2j^2l^2z - 54a^2b^3c^4e^2f^2h^2m^2z - 27a^2b^5c^2e^2 \\
& g^2h^2l^2z + 27a^2b^4c^3e^2g^2h^2l^2z - 27a^2b^4c^3d^2g^2h^2m^2z - 27a^2 \\
& b^3c^4e^2g^2h^2l^2z - 27a^2b^3c^4e^2f^2j^2k^2z - 27a^2b^3c^4d^2f^2j^2 \\
& l^2z + 162a^2b^2c^5d^2e^2j^2l^2z + 54a^3b^2c^4f^2g^2h^2j^2z - 54a^3b^2 \\
& c^4d^2f^2j^2k^2z + 54a^2b^3c^4e^2f^2h^2l^2z + 54a^2b^2c^5d^2f^2j^2k^2z \\
& - 27a^2b^3c^4f^2g^2h^2j^2z - 270a^2b^2c^5d^2f^2g^2m^2z - 162a^3b^2c^4 \\
& d^2g^2h^2k^2z + 162a^2b^2c^5d^2g^2h^2k^2z + 162a^2b^2c^5d^2e^2j^2k^2z \\
& + 108a^2b^2c^5d^2e^2h^2m^2z - 54a^2b^3c^4d^2f^2g^2m^2z + 27a^2b^4c^3 \\
& d^2g^2h^2k^2z + 27a^2b^3c^4e^2g^2h^2j^2z + 270a^3b^2c^4d^2e^2h^2l^2z - 2 \\
& 70a^2b^2c^5d^2e^2h^2l^2z - 162a^2b^4c^3d^2e^2h^2l^2z + 108a^2b^3c^4d^2 \\
& e^2h^2l^2z + 108a^2b^2c^5d^2e^2g^2m^2z + 54a^2b^2c^5e^2f^2h^2j^2z + 27 \\
& a^2b^3c^4d^2g^2h^2j^2z + 162a^2b^2c^5d^2e^2f^2m^2z - 54a^3b^2c^4d^2e^2 \\
& f^2m^2z - 54a^2b^2c^5d^2f^2g^2k^2z + 135a^2b^3c^4d^2e^2g^2k^2z - 108a^2 \\
& b^2c^5d^2e^2g^2k^2z + 54a^2b^2c^5d^2f^2g^2j^2z - 54a^2b^2c^5d^2e^2f^2 \\
& j^2z - 9a^2b^7c^2d^2e^2l^3z - 36a^2b^7c^2d^3e^2g^2z - 108a^6b^2c^2k^2l^2m^2z \\
& + 27a^5b^3c^2k^2l^2m^2z - 18a^5b^2c^2j^2k^3m^2z - 27a^4b^3c^2j^3 \\
& k^2l^2z - 108a^5b^2c^3h^2k^2m^2z - 108a^5b^2c^3g^2l^2m^2z + 108a^5 \\
& b^2c^3h^2k^2l^2z + 108a^5b^2c^3g^2k^2m^2z + 90a^5b^2c^2f^2l^3m^2z - \\
& 18a^5b^2c^2h^2k^2l^3z + 18a^4b^2c^3h^3k^2l^2z + 18a^4b^2c^3h^3j^2 \\
& m^2z - 108a^5b^2c^3h^2j^2l^2z + 18a^4b^3c^2f^2k^3m^2z - 18a^3b^3c^2 \\
& 3g^3j^2m^2z - 9a^4b^3c^2g^2k^3l^2z + 9a^3b^3c^3g^3k^2l^2z + 252a^4b^2 \\
& c^3f^2j^3m^2z + 216a^5b^2c^3f^2j^2m^2z + 180a^3b^2c^4f^3j^2m^2z - \\
& 108a^4b^2c^4e^2k^2m^2z - 108a^4b^2c^4d^2l^2m^2z + 90a^5b^2c^2e^2k^2 \\
& m^3z + 90a^5b^2c^2d^2l^2m^3z - 90a^3b^2c^4f^3k^2l^2z + 54a^3b^5c^2 \\
& f^2j^2m^2z - 54a^3b^4c^2f^2j^3m^2z + 36a^5b^2c^2f^2j^2m^3z + 36a^4b^2 \\
& c^3h^2j^3k^2z + 36a^4b^2c^3g^2j^3l^2z - 36a^2b^4c^3f^3j^2m^2z - 2 \\
& 7a^2b^6c^2f^2j^2m^2z + 18a^2b^4c^3f^3k^2l^2z - 216a^4b^2c^4d^2k^2m^2 \\
& z + 108a^5b^2c^3d^2k^2m^2z - 108a^4b^3c^2f^2j^2l^3z - 108a^4b^2c^4 \\
& g^2h^2m^2z + 108a^2b^3c^4e^3j^2m^2z + 90a^5b^2c^2g^2h^2m^3z + 54a^4 \\
& b^3c^2e^2k^2l^3z - 54a^2b^3c^4e^3k^2l^2z + 234a^2b^2c^5d^3j^2m^2z \\
& - 144a^2b^2c^5d^3k^2l^2z + 90a^4b^2c^3f^2j^2k^3z - 72a^4b^2c^3d^2k^3 \\
& l^2z + 27a^4b^3c^2g^2h^2l^3z - 27a^3b^3c^3g^2h^3l^2z - 18a^3b^4c^2 \\
& f^2j^2k^3z + 9a^3b^4c^2d^2k^3l^2z + 216a^4b^2c^4f^2h^2l^2z - 216a^4 \\
& b^2c^4e^2h^2m^2z + 108a^4b^2c^4g^2h^2k^2z - 18a^4b^2c^3g^2h^2k^3z \\
& + 18a^3b^2c^4g^3h^2k^2z + 18a^3b^2c^4f^2g^3m^2z + 9a^3b^4c^2g^2h^2k^3 \\
& z - 9a^3b^3c^3e^2j^3k^2z - 9a^3b^3c^3d^2j^3l^2z - 144a^4b^3c^2e^2 \\
& g^2m^3z - 144a^4b^3c^2d^2h^2m^3z - 108a^3b^2c^5e^2g^2m^2z + 108a^3 \\
& b^2c^5d^2j^2k^2z - 108a^3b^2c^5d^2h^2m^2z - 18a^2b^3c^4f^3h^2k^2z - \\
& 18a^2b^3c^4f^3g^2l^2z - 9a^3b^3c^3g^2h^2j^3z - 216a^4b^2c^4d^2g^2m^2 \\
& z + 144a^4b^2c^3e^2g^2l^3z - 126a^3b^2c^4d^2h^3l^2z - 108a^4b^2c^4 \\
& d^2h^2l^2z - 108a^3b^2c^5f^2g^2k^2z - 108a^3b^2c^5e^2h^2k^2z - 90a^2 \\
& b^2c^5e^3f^2m^2z + 72a^2b^2c^5e^3g^2l^2z - 63a^3b^4c^2e^2g^2l^3z \\
& - 36a^3b^4c^2d^2h^2l^3z + 27a^2b^4c^3d^2h^3l^2z + 27a^2b^6c^2d^2g^2 \\
& m^2z - 18a^4b^2c^3d^2h^2l^3z - 18a^3b^2c^4f^2h^3j^2z - 18a^3b^2c^4 \\
& e^2h^3k^2z + 18a^2b^2c^5e^3h^2k^2z + 108a^3b^2c^5e^2h^2j^2z + 54a^3 \\
& b^3c^3d^2h^2k^3z + 27a^3b^3c^3e^2g^2k^3z - 27a^2b^3c^4e^2g^3k^2z + \\
& 27a^2b^3c^4d^2g^3l^2z - 27a^2b^4c^4d^2g^2l^2z - 9a^2b^5c^2e^2g^2k^3 \\
& z - 9a^2b^5c^2d^2h^2k^3z + 207a^3b^4c^2d^2e^2m^3z - 108a^2b^2c^6d^2
\end{aligned}$$

$$\begin{aligned}
& ^2e^2m^2z - 90a^4b^2c^3d^2em^3z - 72a^3b^2c^4eg^2j^3z - 72a^3b^2c^4d^2h^2j^3z + 27a^2b^3c^5d^2e^2m^2z + 18a^2b^2c^5ef^3k^2z + 18 \\
& a^2b^2c^5d^2f^3l^2z + 9a^2b^4c^3eg^2j^3z + 9a^2b^4c^3d^2h^2j^3z - 216a^3b^2c^5d^2e^2l^2z - 198a^3b^3c^3d^2em^3z + 108a^3b^2c^5d^2g^2j^2z - 108a^3b^2c^5d^2f^2k^2z + 72a^2b^5c^2d^2e^2l^3z - 27a^2b^5c^3d^2e^2l^2z + 27a^2b^4c^4d^2g^2j^2z + 18a^2b^2c^5f^3g^2h^2z + 144 \\
& a^3b^2c^4d^2ek^3z - 63a^2b^4c^3d^2ek^3z + 27a^2b^4c^4d^2ek^2z - 9a^2b^3c^4eg^2h^3z - 108a^2b^2c^6d^2g^2h^2z + 81a^2b^3c^4d^2e^2j^3z + 27a^2b^3c^5d^2g^2h^2z - 27a^2b^2c^6d^2e^2j^2z - 18a^2b^2c^5d^2g^3h^2z + 108a^2b^2c^6d^2e^2h^2z - 27a^2b^3c^5d^2e^2h^2z + 27a^2b^2c^6d^2f^2g^2z - 18a^2b^2c^5d^2eh^3z - 216a^6c^3j^2k^2l^2m^2z + 216a^6c^3h^2j^2l^2m^2z + 216a^6c^3f^2k^2l^2m^2z - 216a^5c^4f^2k^2l^2m^2z - 216a^5c^4g^2j^2k^2m^2z + 216a^5c^4f^2j^2k^2l^2m^2z + 216a^5c^4f^2h^2l^2m^2z + 216a^5c^4e^2j^2k^2m^2z + 216a^5c^4d^2j^2l^2m^2z + 216a^5c^4g^2h^2j^2m^2z - 216a^5c^4e^2j^2k^2l^2m^2z - 216a^5c^4d^2j^2k^2m^2z + 216a^4c^5d^2j^2k^2m^2z - 18a^6b^2c^2k^2l^2m^3z + 216a^5c^4f^2g^2k^2m^2z - 216a^5c^4d^2j^2k^2l^2z - 72a^6b^2c^2j^2l^3m^2z + 18a^5b^3c^2j^2l^3m^2z - 216a^5c^4f^2h^2j^2l^2z + 216a^5c^4e^2h^2k^2l^2z + 216a^5c^4e^2f^2l^2m^2z - 216a^4c^5e^2h^2k^2l^2z + 216a^4c^5e^2h^2j^2m^2z - 216a^4c^5e^2f^2l^2m^2z - 216a^5c^4e^2f^2k^2m^2z + 216a^5c^4d^2g^2k^2m^2z - 216a^5c^4d^2f^2l^2m^2z + 216a^4c^5e^2ef^2k^2m^2z + 216a^4c^5d^2f^2l^2m^2z + 108a^5b^2c^3j^3k^2l^2z - 216a^5c^4f^2g^2h^2m^2z + 216a^4c^5f^2g^2h^2m^2z + 216a^4c^5f^2g^2j^2k^2z - 216a^4c^5e^2g^2j^2l^2z + 216a^4c^5d^2g^2j^2m^2z - 72a^6b^2c^2h^2k^2m^3z - 72a^6b^2c^2g^2l^2m^3z + 54a^5b^3c^2h^2k^2m^3z + 54a^5b^3c^2g^2l^2m^3z - 216a^4c^5d^2h^2j^2k^2z - 18a^4b^4c^2f^2l^3m^2z + 9a^4b^4c^2h^2k^2l^3z - 216a^4c^5e^2f^2j^2k^2z - 216a^4c^5e^2f^2h^2m^2z - 216a^4c^5d^2g^2j^2k^2z - 216a^4c^5d^2f^2j^2l^2z - 216a^4c^5d^2e^2j^2m^2z - 72a^5b^2c^3f^2k^3m^2z + 72a^4b^2c^4g^3j^2m^2z + 36a^5b^2c^3g^2k^3l^2z - 36a^4b^2c^4g^3k^2l^2z - 216a^4c^5f^2g^2h^2j^2z + 216a^4c^5d^2f^2j^2k^2z - 216a^3c^6d^2f^2j^2k^2z - 216a^3c^6d^2e^2j^2l^2z + 72a^4b^4c^2f^2j^2m^3z - 63a^4b^4c^2ek^2m^3z - 63a^4b^4c^2d^2l^2m^3z + 216a^4c^5d^2g^2h^2k^2z - 216a^3c^6d^2g^2h^2k^2z + 216a^3c^6d^2f^2g^2m^2z - 216a^3c^6d^2e^2j^2k^2z + 144a^5b^2c^3f^2j^2l^3z - 144a^3b^2c^5e^3j^2m^2z - 72a^5b^2c^3ek^2l^3z + 72a^3b^2c^5e^3k^2l^2z - 63a^4b^4c^2g^2h^2m^3z + 18a^3b^5c^2f^2j^2l^3z - 18a^2b^5c^3e^3j^2m^2z - 9a^3b^5c^2ek^2l^3z + 9a^2b^5c^3e^3k^2l^2z - 216a^4c^5d^2eh^2l^2z - 216a^3c^6e^2f^2h^2j^2z + 216a^3c^6d^2e^2h^2l^2z - 126a^2b^4c^4d^3j^2m^2z + 108a^4b^2c^4g^2h^3l^2z + 63a^2b^4c^4d^3k^2l^2z + 36a^5b^2c^3g^2h^2l^3z - 9a^3b^5c^2g^2h^2l^3z + 216a^4c^5d^2ef^2m^2z + 216a^3c^6d^2f^2g^2k^2z - 216a^3c^6d^2e^2f^2m^2z + 36a^4b^2c^4e^2j^3k^2z + 36a^4b^2c^4d^2j^3l^2z - 216a^3c^6d^2f^2g^2j^2z + 72a^3b^5c^2eg^2m^3z + 72a^3b^5c^2d^2h^2m^3z + 72a^3b^2c^5f^3h^2k^2z + 72a^3b^2c^5f^3g^2l^2z + 36a^4b^2c^4g^2h^2j^3z + 18a^2b^4c^4e^3f^2m^2z + 9a^2b^6c^2eg^2l^3z + 9a^2b^6c^2d^2h^2l^3z - 9a^2b^4c^4e^3h^2k^2z - 9a^2b^4c^4e^3g^2l^2z + 216a^3c^6d^2ef^2j^2z - 144a^2b^2c^6d^3f^2m^2z + 108a^3b^2c^5eg^3k^2z - 108a^3b^2c^5d^2g^3l^2z + 108a^2b^3c^5d^3f^2m^2z - 72a^4b^2c^4d^2h^2k^3z + 72a^2b^2c^6d^3h^2k^2z - 54a^2b^3c^5d^3h^2k^2z + 36a^4b^2c^4eg^2k^3z - 36a^2b^2c^6d^3g^2l^2z - 27a^2b^3c^5d^3g^2l^2z - 81a^2b^6c^2d^2em^3z + 216a^4b^2c^4d^2e^2l^3z + 72a^2b^2c^6e^3f^2j^2z + 72a^2b^2c^6d^2e^3l^2z - 18a^2b^3c^5e^3f^2j^2z - 18a^2b^3c^5d^2e^3l^2z - 90a^2b^2c^6d^3f^2j^2z + 72a^2b^2c^6d^3e^2k^2z + 36a^3b^2c^5eg^2h^3z - 36a^2b^2c^6e^3g^2h^2z + 9a^2b^6c^2d^2ek^3z + 9a^2b^3c^5e^3g^2h^2z - 180a^3b^2c^5d^2ej^3z + 18a^2b^2c^6d^3g^2h^2z - 9a^2b^5c^3d^2ej^3z + 18a^2b^2c^6d^2e^3h^2z + 9a^2b^4c^4d^2eh^3z + 36a^2b^2c^6d^2eg^3z - 9a^2b^3c^5d^2eg^3z - 18a^2b^2c^6d^2ef^3z + 27a^5b^2c^2h^2l^2m^2z - 27a^5b^2c^2j^2k^2l^2z + 27a^4b^3c^2h^2k^2m^2z + 27a^4b^3c^2g^2l^2m^2z + 27a^5b^2c^2g^2k^2m^2z - 27a^4b^3c^2h^2k^2l^2z - 27a^4b^3c^2g^2k^2m^2z - 135a^4b^2c^3e^2l^2m^2z + 27a^5b^2c^2e^2l^2m^2z + 27a^4b^3c^2h^2j^2l^2z - 27a^4b^2c^3h^2j^2l^2z + 27a^3b^4c^2e^2l^2m^2z - 270a^4b^3c^2f^2j^2m^2z - 270a^4b^2c^3f^2j^2m^2z + 162a^3b^4c^2
\end{aligned}$$

$$\begin{aligned}
& *f^2*j*m^2*z - 108*a^3*b^3*c^3*f^2*j^2*m*z - 27*a^4*b^2*c^3*h^2*j*k^2*z - 2 \\
& 7*a^4*b^2*c^3*g^2*j*l^2*z + 27*a^3*b^3*c^3*e^2*k^2*m*z + 27*a^3*b^3*c^3*d^2 \\
& *l^2*m*z + 27*a^2*b^5*c^2*f^2*j^2*m*z + 162*a^3*b^3*c^3*d^2*k*m^2*z - 27*a^4 \\
& 4*b^3*c^2*d*k^2*m^2*z - 27*a^4*b^2*c^3*g*j^2*k^2*z + 27*a^3*b^3*c^3*g^2*h^2 \\
& *m*z - 27*a^2*b^5*c^2*d^2*k*m^2*z + 162*a^3*b^2*c^4*d^2*k^2*l*z - 108*a^4*b \\
& ^2*c^3*g*h^2*l^2*z - 27*a^4*b^2*c^3*e*j^2*l^2*z + 27*a^3*b^4*c^2*g*h^2*l^2* \\
& z + 27*a^3*b^2*c^4*e^2*j^2*l*z - 27*a^2*b^4*c^3*d^2*k^2*l*z - 162*a^3*b^3*c \\
& ^3*f^2*h*l^2*z + 162*a^3*b^3*c^3*e^2*h*m^2*z - 135*a^4*b^2*c^3*e*h^2*m^2*z \\
& + 135*a^3*b^2*c^4*f^2*h^2*l*z + 27*a^3*b^4*c^2*e*h^2*m^2*z - 27*a^3*b^3*c^3 \\
& *g^2*h*k^2*z - 27*a^3*b^2*c^4*e^2*j*k^2*z - 27*a^3*b^2*c^4*d^2*j*l^2*z + 27 \\
& *a^2*b^5*c^2*f^2*h*l^2*z - 27*a^2*b^5*c^2*e^2*h*m^2*z - 27*a^2*b^4*c^3*f^2* \\
& h^2*l*z - 27*a^3*b^2*c^4*g^2*h^2*j*z + 27*a^2*b^3*c^4*e^2*g^2*m*z - 27*a^2* \\
& b^3*c^4*d^2*j^2*k*z + 27*a^2*b^3*c^4*d^2*h^2*m*z + 351*a^3*b^2*c^4*d^2*g*m^ \\
& 2*z - 189*a^2*b^4*c^3*d^2*g*m^2*z + 162*a^3*b^3*c^3*d*g^2*m^2*z - 162*a^3*b \\
& ^2*c^4*e^2*g*l^2*z + 135*a^3*b^3*c^3*d*h^2*l^2*z + 135*a^3*b^2*c^4*f^2*g*k^ \\
& 2*z - 27*a^2*b^5*c^2*d*h^2*l^2*z - 27*a^2*b^5*c^2*d*g^2*m^2*z - 27*a^2*b^4* \\
& c^3*f^2*g*k^2*z + 27*a^2*b^4*c^3*e^2*g*l^2*z + 27*a^2*b^3*c^4*f^2*g^2*k*z + \\
& 27*a^2*b^3*c^4*e^2*h^2*k*z + 135*a^3*b^2*c^4*e*f^2*l^2*z - 108*a^3*b^2*c^4 \\
& *e*g^2*k^2*z + 108*a^2*b^2*c^5*d^2*g^2*l*z + 27*a^3*b^2*c^4*e*h^2*j^2*z + 2 \\
& 7*a^2*b^4*c^3*e*g^2*k^2*z - 27*a^2*b^4*c^3*e*f^2*l^2*z - 27*a^2*b^3*c^4*e^2 \\
& *h*j^2*z - 27*a^2*b^2*c^5*e^2*f^2*l*z - 27*a^2*b^2*c^5*e^2*g^2*j*z - 27*a^2 \\
& *b^2*c^5*d^2*h^2*j*z + 162*a^2*b^3*c^4*d*e^2*l^2*z - 135*a^2*b^2*c^5*d^2*g* \\
& j^2*z - 27*a^2*b^3*c^4*d*g^2*j^2*z + 27*a^2*b^3*c^4*d*f^2*k^2*z - 162*a^2*b \\
& ^2*c^5*d^2*e*k^2*z - 27*a^2*b^2*c^5*e*f^2*h^2*z - 72*a^7*c^2*k*l*m^3*z + 9* \\
& a^5*b^4*k*l*m^3*z + 72*a^6*c^3*j*k^3*m*z - 72*a^6*c^3*h*k*l^3*z - 72*a^6*c^ \\
& 3*f*l^3*m*z - 72*a^5*c^4*h^3*k*l*z - 72*a^5*c^4*h^3*j*m*z - 9*a^4*b^5*h*k*m \\
& ^3*z - 9*a^4*b^5*g*l*m^3*z - 144*a^6*c^3*f*j*m^3*z - 144*a^5*c^4*h*j^3*k*z \\
& - 144*a^5*c^4*g*j^3*l*z - 144*a^5*c^4*f*j^3*m*z - 144*a^4*c^5*f^3*j*m*z + 7 \\
& 2*a^6*c^3*e*k*m^3*z + 72*a^6*c^3*d*l*m^3*z + 72*a^4*c^5*f^3*k*l*z + 72*a^6* \\
& c^3*g*h*m^3*z + 18*b^6*c^3*d^3*j*m*z - 18*a^3*b^6*f*j*m^3*z - 9*b^6*c^3*d^3 \\
& *k*l*z + 9*a^3*b^6*e*k*m^3*z + 9*a^3*b^6*d*l*m^3*z + 144*a^5*c^4*d*k^3*l*z \\
& + 144*a^3*c^6*d^3*k*l*z - 72*a^5*c^4*f*j*k^3*z - 72*a^3*c^6*d^3*j*m*z + 9*a \\
& ^3*b^6*g*h*m^3*z - 72*a^5*c^4*g*h*k^3*z - 72*a^4*c^5*g^3*h*k*z - 72*a^4*c^5 \\
& *f*g^3*m*z - 108*a^5*b*c^3*j^4*m*z + 63*a^6*b^2*c*j*m^4*z + 36*a^6*b*c^2*k* \\
& l^4*z - 9*a^5*b^3*c*k*l^4*z - 144*a^5*c^4*e*g*l^3*z - 144*a^3*c^6*e^3*g*l*z \\
& + 72*a^5*c^4*d*h*l^3*z + 72*a^4*c^5*f*h^3*j*z + 72*a^4*c^5*e*h^3*k*z + 72* \\
& a^4*c^5*d*h^3*l*z + 72*a^3*c^6*e^3*h*k*z + 72*a^3*c^6*e^3*f*m*z - 18*b^5*c^ \\
& 4*d^3*f*m*z + 9*b^5*c^4*d^3*h*k*z + 9*b^5*c^4*d^3*g*l*z - 9*a^2*b^7*e*g*m^3 \\
& *z - 9*a^2*b^7*d*h*m^3*z + 144*a^4*c^5*e*g*j^3*z + 144*a^4*c^5*d*h*j^3*z - \\
& 72*a^5*c^4*d*e*m^3*z - 72*a^3*c^6*e*f^3*k*z - 72*a^3*c^6*d*f^3*l*z + 144*a^ \\
& 6*b*c^2*f*m^4*z - 108*a^5*b^3*c*f*m^4*z - 72*a^3*c^6*f^3*g*h*z + 36*a^5*b*c \\
& ^3*h*k^4*z - 36*a^3*b*c^5*f^4*m*z + 18*b^4*c^5*d^3*f*j*z - 9*b^4*c^5*d^3*e* \\
& k*z + 9*a^4*b^4*c*g*l^4*z - 144*a^4*c^5*d*e*k^3*z - 144*a^2*c^7*d^3*e*k*z + \\
& 72*a^2*c^7*d^3*f*j*z - 9*b^4*c^5*d^3*g*h*z + 72*a^3*c^6*d*g^3*h*z + 72*a^2 \\
& *c^7*d^3*g*h*z - 72*a^5*b*c^3*d*l^4*z - 72*a^4*b*c^4*f*j^4*z + 45*a*b^2*c^6 \\
& *d^4*l*z - 36*a^2*b*c^6*e^4*k*z - 9*a^3*b^5*c*d*l^4*z + 9*a*b^3*c^5*e^4*k*z \\
& - 72*a^3*c^6*d*e*h^3*z - 72*a^2*c^7*d*e^3*h*z + 9*b^3*c^6*d^3*e*g*z + 72*a \\
& ^2*c^7*d*e*f^3*z + 36*a^3*b*c^5*d*h^4*z - 9*a*b^2*c^6*e^4*g*z + 36*a*b*c^7* \\
& d^3*f^2*z + 90*a^5*b^2*c^2*j^3*m^2*z + 45*a^5*b^2*c^2*j^2*l^3*z + 9*a^4*b^3 \\
& *c^2*j^2*k^3*z - 9*a^4*b^3*c^2*h^3*m^2*z - 45*a^4*b^2*c^3*g^3*m^2*z + 9*a^3 \\
& *b^4*c^2*g^3*m^2*z + 198*a^4*b^3*c^2*f^2*m^3*z - 108*a^3*b^3*c^3*f^3*m^2*z \\
& + 18*a^2*b^5*c^2*f^3*m^2*z - 117*a^4*b^2*c^3*f^2*l^3*z + 117*a^3*b^2*c^4*e^ \\
& 3*m^2*z + 63*a^3*b^4*c^2*f^2*l^3*z - 63*a^2*b^4*c^3*e^3*m^2*z - 171*a^2*b^3 \\
& *c^4*d^3*m^2*z - 54*a^3*b^3*c^3*f^2*k^3*z + 9*a^3*b^2*c^4*g^3*j^2*z + 9*a^2 \\
& *b^5*c^2*f^2*k^3*z + 18*a^3*b^2*c^4*f^2*j^3*z + 18*a^2*b^3*c^4*f^3*j^2*z - \\
& 9*a^2*b^4*c^3*f^2*j^3*z - 45*a^2*b^2*c^5*e^3*j^2*z + 9*a^2*b^3*c^4*f^2*h^3* \\
& z - 9*a^2*b^2*c^5*f^2*g^3*z + 9*a*b^8*d*e*m^3*z - 36*a*b*c^7*d^4*h*z - 108* \\
& a^6*c^3*h^2*l*m^2*z + 108*a^6*c^3*j*k^2*l^2*z - 108*a^6*c^3*g*k^2*m^2*z - 1 \\
& 08*a^6*c^3*e*l^2*m^2*z + 108*a^5*c^4*h^2*j^2*l*z + 108*a^5*c^4*e^2*l*m^2*z
\end{aligned}$$

$$\begin{aligned}
& + 216a^5c^4f^2jm^2z + 108a^5c^4h^2jk^2z + 108a^5c^4g^2j^1l^2 \\
& *z + 108a^5c^4gj^2k^2z - 216a^4c^5d^2k^2l^1z + 108a^5c^4ej^2* \\
& l^2z - 108a^4c^5e^2j^2l^1z - 9a^6b^2c^1l^3m^2z + 108a^5c^4eh^2 \\
& *m^2z - 108a^4c^5f^2h^2l^1z + 108a^4c^5e^2jk^2z + 108a^4c^5d^ \\
& 2*j^1l^2z - 144a^6b^2c^2j^2m^3z + 108a^4c^5g^2h^2jz - 27a^4b^4* \\
& c^3m^2z + 27a^4b^3c^2j^4mz + 9a^5b^2c^2k^4l^1z + 216a^4c^5* \\
& e^2g^1l^2z - 108a^4c^5f^2g^k^2z - 108a^4c^5d^2g^m^2z - 9a^4b^4 \\
& *c^2j^2l^3z - 108a^4c^5eh^2j^2z - 108a^4c^5ef^2l^2z + 108a^3* \\
& c^6e^2f^2l^1z - 36a^5b^3c^3j^2k^3z + 36a^5b^3c^3h^3m^2z + 108a^3 \\
& *c^6e^2g^2jz + 108a^3c^6d^2h^2jz - 216a^5b^3c^3f^2m^3z + 144* \\
& a^4b^3c^4f^3m^2z + 108a^3c^6d^2g^2j^2z - 72a^3b^5c^3f^2m^3z - 45 \\
& *a^5b^2c^2g^1l^4z - 9a^4b^3c^2hk^4z - 9a^3b^2c^4g^4l^1z + 9a^ \\
& 2*b^3c^4f^4mz + 216a^3c^6d^2ek^2z - 9a^2b^6c^3f^2l^3z + 9a*b \\
& ^6c^2e^3m^2z + 108a^3c^6ef^2h^2z + 108a^3b^3c^5d^3m^2z + 108* \\
& a^2c^7d^2e^2jz + 72a^4b^3c^4f^2k^3z + 72a^4b^5c^3d^3m^2z - 72* \\
& a^3b^3c^5f^3j^2z + 54a^4b^3c^2d^1l^4z - 45a^4b^2c^3ek^4z + 18* \\
& a^3b^3c^3f^4j^4z + 9a^3b^4c^2ek^4z - 9a^2b^2c^5f^4jz - 108a \\
& ^2c^7d^2f^2gz + 9a^3b^2c^4g^4h^4z + 9a^4b^4c^4e^3j^2z - 72a^2 \\
& *b^3c^6d^3j^2z + 54a^4b^3c^5d^3j^2z - 36a^3b^3c^5f^2h^3z - 9a^2* \\
& b^3c^4d^4h^4z + 9a^2b^2c^5eg^4z + 9a^2b^2c^6e^3f^2z + 36a^7c^ \\
& 2l^3m^2z + 72a^6c^3j^3m^2z - 36a^6c^3j^2l^3z + 9a^4b^5j^2m \\
& ^3z + 36a^5c^4g^3m^2z + 36a^5c^4f^2l^3z - 36a^4c^5e^3m^2z - \\
& 9b^7c^2d^3m^2z + 9a^2b^7f^2m^3z - 36a^4c^5g^3j^2z + 72a^4* \\
& c^5f^2j^3z + 36a^3c^6e^3j^2z - 9b^5c^4d^3j^2z + 36a^3c^6f^2 \\
& *g^3z - 9a^4b^2c^3j^5z - 36a^2c^7e^3f^2z - 9b^3c^6d^3f^2z + \\
& 36a^7c^2jm^4z - 36a^6c^3k^4l^1z - 18a^5b^4jm^4z + 36a^6c^3* \\
& g^1l^4z + 36a^4c^5g^4l^1z + 18a^4b^5fm^4z - 9b^4c^5d^4l^1z + 36* \\
& a^5c^4ek^4z + 36a^3c^6f^4jz - 36a^2c^7d^4l^1z - 36a^4c^5g^4h^ \\
& 4z + 9b^3c^6d^4h^4z - 36a^3c^6eg^4z + 36a^2c^7e^4gz - 9b^2c^ \\
& ^7d^4ez - 36a^7b^3cm^5z + 36a^8d^4ez + 9a^6b^3m^5z + 36a^5 \\
& *c^4j^5z + 9a^4b^3c^3g^4h^4z - 9a^3b^4c^3eg^4jk^1m - 9a^3b^4* \\
& c^3d^4h^4jk^1m - 9a^3b^4c^3fg^4h^4k^1m + 36a^4b^3c^3d^4e^4jk^1m + 9a^2* \\
& b^5c^3d^4e^4jk^1m + 36a^4b^3c^3ef^4h^4j^1m + 36a^4b^3c^3ef^4g^4k^1m + 3 \\
& 6a^4b^3c^3d^4f^4h^4k^1m + 9a^2b^5c^3ef^4g^4k^1m + 9a^2b^5c^3d^4f^4h^4k^1m \\
& + 36a^3b^3c^4d^4e^4f^4jk^1 + 9a^2b^5c^2d^4e^4f^4jk^1 + 36a^3b^3c^4d^4e^4g^ \\
& 4h^4k^1 + 36a^3b^3c^4d^4e^4f^4h^4k^1 + 36a^3b^3c^4d^4e^4f^4g^1m + 9a^2b^5c^2d^ \\
& 4e^4f^4h^4k^1 + 9a^2b^5c^2d^4e^4f^4g^1m - 9a^2b^4c^3d^4e^4f^4h^4jk^1 - 9a^2b^4c^ \\
& 3d^4e^4f^4g^1j^1 - 9a^2b^4c^3d^4e^4f^4g^4h^1 + 9a^2b^3c^4d^4e^4f^4g^4h^1j^1 - 9a^2b^6 \\
& *c^3d^4e^4f^4k^1m + 18a^4b^2c^2eg^4jk^1m + 18a^4b^2c^2d^4h^4jk^1m + \\
& 18a^4b^2c^2f^4g^4h^4k^1m - 36a^3b^3c^2d^4e^4jk^1m - 36a^3b^3c^2e^4 \\
& f^4g^4k^1m - 36a^3b^3c^2d^4f^4h^4k^1m + 9a^3b^3c^2f^4g^4h^4jk^1 + 9a^3* \\
& b^3c^2eg^4h^4jk^1m + 9a^3b^3c^2d^4g^4h^4j^1m - 108a^3b^2c^3d^4e^4f^4k^1 \\
& *m + 54a^2b^4c^2d^4e^4f^4k^1m - 36a^3b^2c^3d^4f^4g^4jk^1m + 18a^3b^2c^ \\
& ^3e^4f^4g^4jk^1 + 18a^3b^2c^3d^4f^4h^4jk^1 + 18a^3b^2c^3d^4e^4h^4jk^1m + \\
& 18a^3b^2c^3d^4e^4g^4j^1m - 9a^2b^4c^2e^4f^4g^4jk^1 - 9a^2b^4c^2d^4f^4 \\
& h^4jk^1 - 9a^2b^4c^2d^4e^4h^4jk^1m - 9a^2b^4c^2d^4e^4g^4j^1m + 18a^3b^ \\
& 2c^3e^4f^4g^4h^4k^1m + 18a^3b^2c^3d^4f^4g^4h^4l^1m - 9a^2b^4c^2e^4f^4g^4h^4k^1m \\
& - 9a^2b^4c^2d^4f^4g^4h^4l^1m - 36a^2b^3c^3d^4e^4f^4jk^1 - 36a^2b^3c^3d^ \\
& 4e^4f^4h^4k^1m - 36a^2b^3c^3d^4e^4f^4g^1m + 9a^2b^3c^3e^4f^4g^4h^4jk^1 + 9a^2 \\
& *b^3c^3d^4f^4g^4h^4j^1 + 9a^2b^3c^3d^4e^4g^4h^4j^1m + 18a^2b^2c^4d^4e^4f^4h^4j^ \\
& *k^1 + 18a^2b^2c^4d^4e^4f^4g^4j^1 + 18a^2b^2c^4d^4e^4f^4g^4h^1m - 9a^5b^2c^* \\
& h^4jk^2l^1m - 9a^5b^2c^2g^4jk^1l^2m + 27a^5b^2c^2f^4jk^1l^2m - 9a^4b^ \\
& 3c^2f^4j^2k^1l^1m + 9a^3b^4c^2f^4jk^1l^1m - 18a^5b^3c^2e^4jk^2l^1m - 9a^ \\
& 5b^2c^2g^4h^4k^1l^2m + 9a^4b^3c^2e^4jk^2l^1m - 18a^5b^3c^2f^4h^4k^2l^1m - \\
& 18a^5b^3c^2d^4jk^1l^2m + 9a^4b^3c^2f^4h^4k^2l^1m + 9a^4b^3c^2d^4jk^1l^2* \\
& m + 36a^5b^3c^2e^4h^4k^1l^2m - 36a^4b^3c^3e^2h^4k^1l^1m + 18a^5b^3c^2f^4h^* \\
& j^1l^2m - 18a^5b^3c^2f^4g^4k^1l^2m - 18a^4b^3c^2e^4h^4k^1l^2m + 9a^4b^3c^ \\
& 2f^4g^4k^1l^2m + 9a^3b^4c^2e^4h^2k^1l^1m - 9a^2b^5c^2e^2h^4k^1l^1m - 54a^5b \\
& *c^2e^4h^4j^1l^2m - 18a^5b^3c^2e^4g^4k^1l^2m - 18a^5b^3c^2d^4h^4k^1l^2m + 18
\end{aligned}$$

$$\begin{aligned}
& a^4 b^3 c e h j l m^2 - 9 a^4 b^3 c f h j k m^2 - 9 a^4 b^3 c f g j l m^2 \\
& + 9 a^4 b^3 c e g k l m^2 + 9 a^4 b^3 c d h k l m^2 + 18 a^4 b^3 c^3 f g^2 j k m \\
& - 18 a^4 b^3 c^3 e g^2 j l m + 18 a^3 b^4 c d g k^2 l m - 9 a^3 b^4 c e e f k^2 l m \\
& - 9 a^2 b^5 c d g^2 k l m - 18 a^4 b^3 c^3 f g^2 h l m - 18 a^4 b^3 c^3 d h^2 j k m \\
& - 9 a^3 b^4 c d f k l^2 m - 54 a^4 b^3 c^3 d g j^2 k m - 18 a^4 b^3 c^3 f g h^2 k m \\
& - 18 a^4 b^3 c^3 e g j^2 k l - 18 a^4 b^3 c^3 d h j^2 k l - 18 a^3 b^4 c d g j k m^2 \\
& + 9 a^3 b^4 c e f j k m^2 + 9 a^3 b^4 c d f j l m^2 - 9 a^3 b^4 c d e k l m^2 \\
& - 54 a^3 b^3 c^4 d^2 f j k m + 36 a^4 b^3 c^3 d g j k^2 l - 36 a^3 b^3 c^4 d^2 g j k l \\
& - 18 a^4 b^3 c^3 e f j k^2 l + 18 a^4 b^3 c^3 d f j k^2 m - 18 a^3 b^3 c^4 d^2 e j l m \\
& + 9 a^3 b^4 c f g h j m^2 - 9 a^3 b^5 c^2 d^2 g j k l + 36 a^4 b^3 c^3 d g h k^2 m \\
& - 36 a^3 b^3 c^4 d^2 g h k m + 18 a^4 b^3 c^3 e g h k^2 l - 18 a^4 b^3 c^3 e f h k^2 m \\
& - 18 a^4 b^3 c^3 d f j k l^2 - 18 a^3 b^3 c^4 d^2 f h l m - 18 a^3 b^3 c^4 d e^2 j k m \\
& - 9 a^3 b^5 c^2 d^2 g h k m - 54 a^4 b^3 c^3 d g h k l^2 - 54 a^3 b^3 c^4 e^2 f h j m \\
& - 18 a^4 b^3 c^3 d f g l^2 m - 18 a^3 b^3 c^4 e^2 f g k m - 54 a^4 b^3 c^3 d f g k m^2 \\
& - 36 a^4 b^3 c^3 e f g j m^2 - 36 a^4 b^3 c^3 d f h j m^2 + 36 a^3 b^3 c^4 e f^2 g j m \\
& + 36 a^3 b^3 c^4 d f^2 h j m - 18 a^4 b^3 c^3 d e h k m^2 - 18 a^4 b^3 c^3 d e e g l m^2 \\
& + 18 a^3 b^3 c^4 e f^2 h j l - 18 a^3 b^3 c^4 e f^2 g k l - 18 a^3 b^3 c^4 d f^2 h k l \\
& + 18 a^3 b^3 c^4 d f^2 g k m - 9 a^2 b^5 c e e f g j m^2 - 9 a^2 b^5 c d f h j m^2 \\
& - 54 a^3 b^3 c^4 d f g^2 j m - 18 a^3 b^3 c^4 e f g^2 j l - 18 a^3 b^4 c^3 d^2 f g j m \\
& + 9 a^3 b^4 c^3 d^2 g h j k + 9 a^3 b^4 c^3 d^2 f g k l + 9 a^3 b^4 c^3 d^2 e g k m \\
& - 9 a^3 b^4 c^3 d^2 e f l m - 18 a^3 b^3 c^4 e f g^2 h m - 18 a^3 b^3 c^4 d f h^2 j k \\
& - 9 a^3 b^4 c^3 d e^2 f k m + 18 a^3 b^3 c^4 d d f g j^2 k - 18 a^3 b^3 c^4 d d f g h^2 m \\
& - 18 a^3 b^3 c^4 d e h j^2 k - 18 a^3 b^3 c^4 d e g j^2 l + 18 a^3 b^4 c^3 d e e f^2 j m \\
& - 9 a^3 b^5 c^2 d e e f j^2 m - 9 a^3 b^4 c^3 d e e f^2 k l - 18 a^2 b^3 c^4 d^2 e e f j l \\
& - 54 a^2 b^3 c^5 d^2 e g h l - 18 a^2 b^3 c^5 d^2 e e f h m - 18 a^2 b^3 c^5 d e^2 f j k \\
& + 18 a^3 b^3 c^4 d^2 e g h l - 9 a^3 b^3 c^4 d^2 f g h k + 9 a^3 b^3 c^4 d^2 e e f h m \\
& + 9 a^3 b^3 c^4 d e^2 f j k - 36 a^3 b^3 c^4 d e e f h l^2 + 36 a^2 b^3 c^5 d e^2 f h l \\
& + 18 a^2 b^3 c^5 d e^2 g h k - 18 a^2 b^3 c^5 d e^2 f g m - 18 a^3 b^3 c^4 d e^2 f h l \\
& - 9 a^3 b^5 c^2 d e e f h l^2 + 9 a^3 b^4 c^3 d e e f h^2 l + 9 a^3 b^3 c^4 d e^2 f g m \\
& - 18 a^2 b^3 c^5 d e e f^2 h k - 18 a^2 b^3 c^5 d e e f^2 g l + 9 a^3 b^3 c^4 d e e f^2 h k \\
& + 9 a^3 b^3 c^4 d e e f^2 g l + 27 a^3 b^2 c^5 d^2 e e f g k + 9 a^3 b^4 c^3 d e e f g k^2 \\
& - 9 a^3 b^3 c^4 d e e f g^2 k - 9 a^3 b^2 c^5 d^2 e e f h j - 9 a^3 b^2 c^5 d e^2 f g j \\
& - 9 a^3 b^2 c^5 d e e f^2 g h + 72 a^4 c^4 d d f g j k m + 72 a^4 c^4 d d e f k l m \\
& + 9 a^3 b^6 c^2 d^2 g k l m + 9 a^3 b^6 c^2 d e e f j m^2 - 27 a^4 b^2 c^2 f^2 j k l m \\
& - 9 a^4 b^2 c^2 g^2 h j l m + 36 a^3 b^3 c^2 e^2 h k l m - 18 a^4 b^2 c^2 e e h^2 k l m \\
& - 9 a^4 b^2 c^2 g h^2 j k m + 18 a^4 b^2 c^2 f h j^2 k m + 18 a^4 b^2 c^2 f g j^2 l m \\
& - 18 a^4 b^2 c^2 e h j^2 l m - 9 a^4 b^2 c^2 g h j^2 k l - 9 a^3 b^3 c^2 f^2 h j k m \\
& - 9 a^3 b^3 c^2 f^2 g j l m - 63 a^4 b^2 c^2 d g k^2 l m + 63 a^3 b^2 c^3 d^2 g k l m \\
& - 45 a^2 b^4 c^2 d^2 g k l m + 36 a^4 b^2 c^2 e f k^2 l m + 27 a^3 b^3 c^2 d g^2 k l m \\
& - 9 a^4 b^2 c^2 f h j k^2 l - 9 a^4 b^2 c^2 e h j k^2 m + 9 a^3 b^3 c^2 e g^2 j l m \\
& - 9 a^3 b^2 c^3 d^2 h j l m + 36 a^4 b^2 c^2 d f k l^2 m + 27 a^4 b^2 c^2 e h j k l^2 \\
& - 27 a^3 b^2 c^3 e^2 h j k l - 18 a^3 b^2 c^3 e^2 f j l m - 9 a^4 b^2 c^2 f g j k l^2 \\
& - 9 a^4 b^2 c^2 d g j l^2 m + 9 a^3 b^3 c^2 f g^2 h l m - 9 a^3 b^3 c^2 e h^2 j k l \\
& + 9 a^3 b^3 c^2 d h^2 j k m - 9 a^3 b^2 c^3 e^2 g j k m + 9 a^2 b^4 c^2 e^2 h j k l \\
& + 72 a^4 b^2 c^2 d g j k m^2 + 36 a^4 b^2 c^2 d e k l m^2 + 27 a^4 b^2 c^2 e g h l^2 m \\
& - 27 a^4 b^2 c^2 e f j k m^2 - 27 a^4 b^2 c^2 d f j l m^2 - 27 a^3 b^2 c^3 e^2 g h l m \\
& + 27 a^3 b^2 c^3 e f^2 j k m + 27 a^3 b^2 c^3 d f^2 j l m + 18 a^3 b^3 c^2 d g j^2 k m \\
& + 9 a^3 b^3 c^2 f g h^2 k m + 9 a^3 b^3 c^2 e g j^2 k l - 9 a^3 b^3 c^2 e g h^2 l m \\
& - 9 a^3 b^3 c^2 e f j^2 k m + 9 a^3 b^3 c^2 d h j^2 k l - 9 a^3 b^3 c^2 d f j^2 l m \\
& + 9 a^2 b^4 c^2 e^2 g h l m + 36 a^2 b^3 c^3 d^2 g j k l - 27 a^4 b^2 c^2 f g h j m^2 \\
& + 27 a^3 b^2 c^3 f^2 g h j m - 18 a^4 b^2 c^2 e e f h l m^2 - 18 a^3 b^3 c^2 d g j k^2 l \\
& - 18 a^3 b^2 c^3 d g^2 j k l + 18 a^2 b^3 c^3 d^2 f j k m - 9 a^4 b^2 c^2 e g h k m^2 \\
& - 9 a^4 b^2 c^2 d g h l m^2 - 9 a^3 b^3 c^2 f g h j^2 m + 9 a^3 b^3 c^2 e e f j k^2 l \\
& - 9 a^3 b^2 c^3 f^2 g h k l + 9 a^2 b^4 c^2
\end{aligned}$$

$$\begin{aligned}
& c^2*d*g^2*j*k*1 + 9*a^2*b^3*c^3*d^2*e*j*1*m + 36*a^3*b^2*c^3*e*f*g^2*1*m + \\
& 36*a^2*b^3*c^3*d^2*g*h*k*m - 18*a^3*b^3*c^2*d*g*h*k^2*m - 18*a^3*b^2*c^3*d* \\
& g^2*h*k*m + 9*a^3*b^3*c^2*e*f*h*k^2*m + 9*a^3*b^3*c^2*d*f*j*k*1^2 - 9*a^3*b \\
& ^2*c^3*f*g^2*h*j*1 - 9*a^3*b^2*c^3*e*g^2*h*j*m - 9*a^2*b^4*c^2*e*f*g^2*1*m \\
& + 9*a^2*b^4*c^2*d*g^2*h*k*m + 9*a^2*b^3*c^3*d^2*f*h*1*m + 9*a^2*b^3*c^3*d*e \\
& ^2*j*k*m + 36*a^3*b^2*c^3*d*f*h^2*k*m + 36*a^3*b^2*c^3*d*e*j^2*k*1 + 18*a^3 \\
& *b^3*c^2*d*g*h*k*1^2 + 18*a^3*b^2*c^3*e*g*h^2*j*1 + 18*a^3*b^2*c^3*e*f*h^2* \\
& k*1 - 18*a^3*b^2*c^3*e*f*h^2*j*m - 18*a^3*b^2*c^3*d*g*h^2*k*1 + 18*a^3*b^2* \\
& c^3*d*e*h^2*1*m + 18*a^2*b^3*c^3*e^2*f*h*j*m - 9*a^3*b^3*c^2*e*g*h*j*1^2 - \\
& 9*a^3*b^3*c^2*e*f*h*k*1^2 + 9*a^3*b^3*c^2*d*f*g*1^2*m - 9*a^3*b^3*c^2*d*e*h \\
& *1^2*m - 9*a^3*b^2*c^3*f*g*h^2*j*k - 9*a^3*b^2*c^3*d*g*h^2*j*m - 9*a^2*b^4* \\
& c^2*d*f*h^2*k*m - 9*a^2*b^4*c^2*d*e*j^2*k*1 - 9*a^2*b^3*c^3*e^2*g*h*j*1 - 9 \\
& *a^2*b^3*c^3*e^2*f*h*k*1 + 9*a^2*b^3*c^3*e^2*f*g*k*m - 9*a^2*b^3*c^3*d*e^2* \\
& h*1*m + 36*a^3*b^3*c^2*e*f*g*j*m^2 + 36*a^3*b^3*c^2*d*f*h*j*m^2 + 18*a^3*b^ \\
& 3*c^2*d*f*g*k*m^2 - 18*a^3*b^2*c^3*e*f*g*j^2*m - 18*a^3*b^2*c^3*d*f*h*j^2*m \\
& - 18*a^2*b^3*c^3*e*f^2*g*j*m - 18*a^2*b^3*c^3*d*f^2*h*j*m + 9*a^3*b^3*c^2* \\
& d*e*h*k*m^2 + 9*a^3*b^3*c^2*d*e*g*1*m^2 - 9*a^3*b^2*c^3*e*g*h*j^2*k - 9*a^3 \\
& *b^2*c^3*d*g*h*j^2*1 + 9*a^2*b^4*c^2*e*f*g*j^2*m + 9*a^2*b^4*c^2*d*f*h*j^2* \\
& m + 9*a^2*b^3*c^3*e*f^2*g*k*1 + 9*a^2*b^3*c^3*d*f^2*h*k*1 + 72*a^2*b^2*c^4* \\
& d^2*f*g*j*m + 36*a^2*b^2*c^4*d^2*e*f*1*m + 27*a^3*b^2*c^3*d*g*h*j*k^2 + 27* \\
& a^3*b^2*c^3*d*f*g*k^2*1 + 27*a^3*b^2*c^3*d*e*g*k^2*m - 27*a^2*b^2*c^4*d^2*g \\
& *h*j*k - 27*a^2*b^2*c^4*d^2*f*g*k*1 - 27*a^2*b^2*c^4*d^2*e*g*k*m + 18*a^2*b \\
& ^3*c^3*d*f*g^2*j*m - 18*a^2*b^2*c^4*d^2*e*h*k*1 - 9*a^3*b^2*c^3*e*f*h*j*k^2 \\
& + 9*a^2*b^3*c^3*e*f*g^2*j*1 - 9*a^2*b^3*c^3*d*g^2*h*j*k - 9*a^2*b^3*c^3*d* \\
& f*g^2*k*1 - 9*a^2*b^3*c^3*d*e*g^2*k*m - 9*a^2*b^2*c^4*d^2*f*h*j*1 - 9*a^2*b \\
& ^2*c^4*d^2*e*h*j*m + 36*a^2*b^2*c^4*d*e^2*f*k*m - 27*a^3*b^2*c^3*d*e*h*j*1^ \\
& 2 + 27*a^2*b^2*c^4*d*e^2*h*j*1 - 18*a^3*b^2*c^3*d*e*g*k*1^2 - 9*a^3*b^2*c^3 \\
& *d*f*g*j*1^2 + 9*a^2*b^4*c^2*d*e*h*j*1^2 + 9*a^2*b^3*c^3*e*f*g^2*h*m + 9*a^ \\
& 2*b^3*c^3*d*f*h^2*j*k - 9*a^2*b^3*c^3*d*e*h^2*j*1 - 9*a^2*b^2*c^4*e^2*f*g*j \\
& *k - 9*a^2*b^2*c^4*d*e^2*g*j*m + 63*a^3*b^2*c^3*d*e*f*j*m^2 - 63*a^2*b^2*c^ \\
& 4*d*e*f^2*j*m - 45*a^2*b^4*c^2*d*e*f*j*m^2 + 36*a^2*b^2*c^4*d*e*f^2*k*1 - 2 \\
& 7*a^3*b^2*c^3*e*f*g*h*1^2 + 27*a^2*b^3*c^3*d*e*f*j^2*m + 27*a^2*b^2*c^4*e^2 \\
& *f*g*h*1 + 9*a^2*b^4*c^2*e*f*g*h*1^2 - 9*a^2*b^3*c^3*e*f*g*h^2*1 + 9*a^2*b^ \\
& 3*c^3*d*f*g*h^2*m + 9*a^2*b^3*c^3*d*e*h*j^2*k + 9*a^2*b^3*c^3*d*e*g*j^2*1 + \\
& 18*a^2*b^2*c^4*d*e*g^2*j*k - 9*a^3*b^2*c^3*d*e*g*h*m^2 - 9*a^2*b^3*c^3*d*e \\
& *g*j*k^2 - 9*a^2*b^2*c^4*e*f^2*g*h*k - 9*a^2*b^2*c^4*d*f^2*g*h*1 + 18*a^2*b \\
& ^2*c^4*d*f*g^2*h*k - 18*a^2*b^2*c^4*d*e*g^2*h*1 - 9*a^2*b^3*c^3*d*f*g*h*k^2 \\
& - 9*a^2*b^2*c^4*e*f*g^2*h*j + 36*a^2*b^3*c^3*d*e*f*h*1^2 - 18*a^2*b^2*c^4* \\
& d*e*f*h^2*1 - 9*a^2*b^2*c^4*d*f*g*h^2*j - 9*a^2*b^2*c^4*d*e*g*h*j^2 - 27*a^ \\
& 2*b^2*c^4*d*e*f*g*k^2 + 18*a^2*b^2*c^4*d^2*f*h*k^2 - 9*a^2*b^3*c^3*e*f*g^2* \\
& k^2 - 9*a^2*b^2*c^4*e^2*f*h*j^2 - 9*a^2*b^2*c^4*d*f^2*h^2*k + 45*a^2*b^3*c^ \\
& 3*d*e*f^2*m^2 + 36*a^2*b^2*c^4*d^2*e*g*1^2 + 9*a^2*b^3*c^3*d*e*g^2*1^2 + 9* \\
& a^2*b^2*c^4*e*f^2*g*j^2 + 9*a^2*b^2*c^4*d*f^2*h*j^2 - 9*a^2*b^2*c^4*d*e^2*h \\
& *k^2 - 36*a^2*b^2*c^4*d*e^2*f*1^2 - 9*a^2*b^2*c^4*d*f*g^2*j^2 - 12*a^6*b*c* \\
& h*k*1^3*m + 3*a*b^6*c*e^3*k*1*m + 3*a*b^6*c*d*e*f*1^3 - 12*a*b*c^6*d*e^3*f* \\
& h + 9*a^5*b^2*c*h^2*k*1^2*m + 18*a^5*b*c^2*g^2*k^2*1*m - 9*a^5*b^2*c*h^2*j* \\
& 1*m^2 + 9*a^5*b*c^2*h^2*j^2*1*m - 9*a^4*b^3*c*g^2*k^2*1*m - 3*a^4*b^2*c^2*g \\
& ^3*k*1*m + 18*a^5*b*c^2*f^2*k*1*m^2 + 15*a^3*b^3*c^2*f^3*k*1*m + 9*a^5*b^2* \\
& c*h*j^2*k*m^2 + 9*a^5*b^2*c*g*j^2*1*m^2 - 9*a^5*b^2*c*f*k^2*1^2*m + 9*a^5*b \\
& *c^2*h^2*j*k^2*m + 9*a^5*b*c^2*g^2*j*1^2*m - 9*a^4*b^3*c*f^2*k*1*m^2 + 36*a \\
& ^3*b^2*c^3*e^3*k*1*m - 27*a^5*b*c^2*g^2*j*k*m^2 - 18*a^5*b*c^2*h^2*j*k*1^2 \\
& - 18*a^2*b^4*c^2*e^3*k*1*m - 9*a^5*b^2*c*g*j*k^2*m^2 - 9*a^5*b^2*c*e*k^2*1* \\
& m^2 + 9*a^5*b*c^2*h*j^2*k^2*1 + 9*a^5*b*c^2*g*j^2*k^2*m + 9*a^4*b^3*c*g^2*j \\
& *k*m^2 + 9*a^3*b^4*c*e^2*k*1^2*m + 3*a^4*b^2*c^2*h^3*j*k*1 - 54*a^4*b*c^3*d \\
& ^2*k^2*1*m - 51*a^2*b^3*c^3*d^3*k*1*m - 27*a^4*b*c^3*e^2*j^2*1*m - 18*a^5*b \\
& *c^2*g*h^2*1^2*m - 9*a^5*b^2*c*e*j*1^2*m^2 - 9*a^5*b^2*c*d*k*1^2*m^2 + 9*a^ \\
& 5*b*c^2*g^2*h*1*m^2 + 9*a^5*b*c^2*g*j^2*k*1^2 + 9*a^5*b*c^2*e*j^2*1^2*m - 9 \\
& *a^3*b^4*c*e^2*j*1*m^2 - 9*a^2*b^5*c*d^2*k^2*1*m + 3*a^4*b^2*c^2*g*h^3*1*m \\
& - 3*a^3*b^3*c^2*g^3*j*k*1 + 18*a^5*b*c^2*e*j^2*k*m^2 + 18*a^5*b*c^2*d*j^2*1
\end{aligned}$$

$m^2 + 18a^4 b^3 c^3 f^2 j^2 k^2 l + 9a^5 b^2 c^2 g^2 h^2 k^2 m^2 + 9a^5 b^2 c^2 f^2 h^2 k^2 l^2 m^2 + 9a^5 b^2 c^2 f^2 j^2 k^2 l^2 m^2 - 9a^4 b^3 c^3 e^2 j^2 k^2 m^2 - 9a^4 b^3 c^3 d^2 j^2 k^2 l^2 m^2 + 9a^4 b^2 c^2 f^2 j^2 k^2 l^2 m^2 + 9a^4 b^2 c^2 e^2 j^3 k^2 m + 9a^4 b^2 c^2 d^2 j^3 k^2 l m + 9a^4 b^2 c^2 f^2 h^2 k^2 l m + 9a^4 b^2 c^2 e^2 j^2 k^2 l m + 9a^4 b^2 c^2 d^2 j^2 k^2 l m - 3a^3 b^3 c^2 g^3 h^2 k^2 m - 3a^3 b^2 c^3 f^3 j^2 k^2 l + 3a^2 b^4 c^2 f^3 j^2 k^2 l + 45a^4 b^2 c^3 d^2 j^2 k^2 m^2 - 27a^5 b^2 c^2 d^2 j^2 k^2 m^2 + 18a^5 b^2 c^2 g^2 h^2 j^2 m^2 + 18a^4 b^2 c^3 e^2 j^2 k^2 l^2 + 15a^2 b^3 c^3 e^3 j^2 k^2 l - 12a^3 b^2 c^3 f^3 h^2 k^2 m - 12a^3 b^2 c^3 f^3 g^2 l m + 9a^5 b^2 c^2 g^2 h^2 k^2 l^2 - 9a^4 b^3 c^3 g^2 h^2 j^2 m^2 + 9a^4 b^2 c^2 g^2 h^2 j^3 m + 9a^4 b^2 c^3 g^2 h^2 k^2 l + 9a^4 b^2 c^3 g^2 h^2 j^2 m + 9a^2 b^5 c^2 d^2 j^2 k^2 m^2 + 3a^2 b^4 c^2 f^3 h^2 k^2 m + 3a^2 b^4 c^2 f^3 g^2 l m + 36a^2 b^2 c^4 d^3 j^2 k^2 l + 18a^4 b^2 c^3 e^2 g^2 l^2 m + 15a^2 b^3 c^3 e^3 g^2 l m + 12a^4 b^2 c^2 d^2 j^2 k^2 l + 9a^5 b^2 c^2 f^2 g^2 k^2 m^2 + 9a^5 b^2 c^2 e^2 h^2 k^2 m^2 + 9a^4 b^2 c^3 g^2 h^2 j^2 l + 9a^4 b^2 c^3 f^2 h^2 k^2 l + 9a^4 b^2 c^3 f^2 g^2 k^2 m + 9a^4 b^2 c^3 d^2 h^2 l m^2 - 9a^3 b^3 c^2 e^2 h^3 k^2 m + 6a^2 b^3 c^3 e^3 h^2 k^2 m + 45a^4 b^2 c^3 e^2 h^2 j^2 m^2 + 36a^2 b^2 c^4 d^3 h^2 k^2 m - 33a^3 b^2 c^3 d^2 g^3 l m - 27a^4 b^2 c^3 f^2 h^2 j^2 l - 27a^4 b^2 c^3 e^2 f^2 l m^2 - 27a^4 b^2 c^3 e^2 h^2 j^2 m - 18a^4 b^2 c^3 g^2 h^2 j^2 k^2 - 18a^4 b^2 c^3 f^2 g^2 k^2 l - 18a^4 b^2 c^3 e^2 g^2 k^2 m - 18a^3 b^2 c^4 d^2 g^2 l m + 12a^4 b^2 c^2 d^2 h^2 k^3 m + 9a^5 b^2 c^2 e^2 f^2 l^2 m^2 + 9a^5 b^2 c^2 d^2 g^2 l^2 m^2 + 9a^4 b^2 c^3 f^2 g^2 k^2 l^2 + 9a^4 b^2 c^3 e^2 g^2 k^2 m^2 + 9a^4 b^2 c^3 g^2 h^2 j^2 k^2 + 9a^4 b^2 c^3 f^2 h^2 j^2 l + 9a^4 b^2 c^3 e^2 f^2 l^2 m - 9a^3 b^4 c^2 e^2 h^2 j^2 m^2 + 9a^3 b^2 c^4 e^2 f^2 l m + 9a^2 b^5 c^2 e^2 h^2 j^2 m^2 + 9a^2 b^4 c^2 d^2 g^3 l m - 9a^2 b^2 c^4 d^3 g^2 l m - 9a^2 b^5 c^2 d^2 g^2 l m - 6a^4 b^2 c^2 e^2 h^2 k^3 l - 6a^3 b^2 c^3 f^2 g^3 j^2 m + 3a^4 b^2 c^2 g^2 h^2 j^2 k^3 + 3a^4 b^2 c^2 f^2 g^2 k^3 l + 3a^4 b^2 c^2 e^2 g^2 k^3 m + 3a^3 b^2 c^3 g^3 h^2 j^2 k + 3a^3 b^2 c^3 f^2 g^3 k^2 l + 3a^3 b^2 c^3 e^2 g^3 k^2 m - 27a^3 b^2 c^4 d^2 h^2 k^2 l + 18a^4 b^2 c^3 e^2 f^2 k^2 m^2 + 18a^4 b^2 c^3 d^2 f^2 l m^2 + 9a^4 b^2 c^3 f^2 h^2 j^2 k^2 + 9a^4 b^2 c^3 f^2 g^2 j^2 l^2 + 9a^4 b^2 c^3 e^2 g^2 k^2 l^2 + 9a^4 b^2 c^3 d^2 h^2 k^2 l + 9a^3 b^4 c^2 e^2 g^2 j^2 m^2 + 9a^3 b^4 c^2 d^2 h^2 j^2 m^2 - 9a^3 b^3 c^2 e^2 g^2 j^3 m - 9a^3 b^3 c^2 d^2 h^2 j^3 m + 9a^3 b^2 c^4 e^2 g^2 k^2 l + 9a^3 b^2 c^4 e^2 g^2 j^2 m + 9a^3 b^2 c^4 d^2 h^2 j^2 m - 3a^2 b^3 c^3 f^3 h^2 j^2 k - 3a^2 b^3 c^3 f^3 g^2 j^2 l - 3a^2 b^3 c^3 e^2 f^3 k^2 m - 3a^2 b^3 c^3 d^2 f^3 l m + 45a^4 b^2 c^3 d^2 g^2 j^2 m^2 + 45a^3 b^2 c^4 d^2 g^2 j^2 m + 24a^4 b^2 c^2 d^2 g^2 k^2 l^3 + 24a^2 b^2 c^4 e^3 f^2 j^2 m + 18a^4 b^2 c^3 f^2 g^2 h^2 m^2 + 18a^4 b^2 c^3 d^2 h^2 j^2 l^2 + 18a^3 b^2 c^4 e^2 h^2 j^2 k - 12a^4 b^2 c^2 e^2 g^2 j^2 l^3 - 12a^4 b^2 c^2 e^2 f^2 k^2 l^3 - 12a^4 b^2 c^2 d^2 e^2 l^3 m - 12a^2 b^2 c^4 e^3 g^2 j^2 l - 12a^2 b^2 c^4 e^3 f^2 k^2 l - 12a^2 b^2 c^4 d^2 e^3 l m + 9a^4 b^2 c^3 f^2 g^2 j^2 k^2 + 9a^4 b^2 c^3 e^2 h^2 j^2 k^2 + 9a^3 b^2 c^3 e^2 h^3 j^2 k + 9a^3 b^2 c^3 d^2 h^3 j^2 l + 9a^3 b^2 c^4 f^2 g^2 j^2 k + 9a^3 b^2 c^4 d^2 h^2 j^2 l + 9a^2 b^5 c^2 d^2 g^2 j^2 m^2 + 9a^2 b^5 c^2 d^2 g^2 j^2 m - 3a^4 b^2 c^2 d^2 h^2 j^2 l^3 - 3a^2 b^3 c^3 f^3 g^2 h^2 m - 3a^2 b^2 c^4 e^3 h^2 j^2 k + 18a^4 b^2 c^3 f^2 g^2 h^2 l^2 + 18a^3 b^2 c^4 e^2 g^2 h^2 m + 18a^3 b^2 c^4 d^2 h^2 j^2 k^2 + 18a^3 b^2 c^4 d^2 f^2 k^2 l + 18a^3 b^2 c^4 d^2 e^2 k^2 m + 9a^4 b^2 c^3 e^2 g^2 h^2 m^2 + 9a^4 b^2 c^3 e^2 f^2 j^2 l^2 + 9a^4 b^2 c^3 d^2 g^2 j^2 l^2 + 9a^3 b^2 c^3 f^2 g^2 h^3 l + 9a^3 b^2 c^3 e^2 g^2 h^3 m + 9a^3 b^2 c^4 f^2 g^2 h^2 l + 9a^3 b^2 c^4 e^2 g^2 j^2 k + 9a^3 b^2 c^4 e^2 f^2 j^2 l - 9a^2 b^3 c^3 d^2 g^3 j^2 l + 9a^2 b^4 c^3 d^2 g^2 j^2 l - 3a^4 b^2 c^2 f^2 g^2 h^2 l^3 - 3a^3 b^3 c^2 e^2 g^2 j^2 k^3 - 3a^3 b^3 c^2 d^2 h^2 j^2 k^3 - 3a^3 b^3 c^2 d^2 f^2 k^3 l - 3a^3 b^3 c^2 d^2 e^2 k^3 m - 3a^2 b^2 c^4 e^3 g^2 h^2 m - 33a^3 b^2 c^3 d^2 e^2 j^3 m - 27a^4 b^2 c^3 e^2 f^2 h^2 m^2 - 27a^3 b^2 c^4 d^2 e^2 k^2 l^2 - 18a^4 b^2 c^3 d^2 e^2 j^2 m^2 - 18a^3 b^2 c^4 e^2 f^2 j^2 k - 18a^3 b^2 c^4 d^2 f^2 j^2 l - 9a^4 b^2 c^2 d^2 e^2 j^2 m^3 + 9a^4 b^2 c^3 d^2 g^2 h^2 m^2 + 9a^4 b^2 c^3 d^2 e^2 k^2 l^2 + 9a^3 b^2 c^4 f^2 g^2 h^2 k + 9a^3 b^2 c^4 e^2 f^2 j^2 k^2 + 9a^3 b^2 c^4 d^2 f^2 j^2 l^2 + 9a^3 b^2 c^4 e^2 f^2 h^2 m + 9a^3 b^2 c^4 d^2 e^2 k^2 l - 9a^2 b^5 c^2 d^2 e^2 j^2 m^2 + 9a^2 b^4 c^2 d^2 e^2 j^3 m - 9a^2 b^3 c^3 d^2 g^3 h^2 m + 9a^2 b^2 c^5 d^2 e^2 k^2 l + 9a^2 b^2 c^5 d^2 e^2 j^2 m + 9a^2 b^4 c^3 d^2 g^2 h^2 m - 6a^3 b^2 c^3 d^2 g^2 j^3 k - 3a^3 b^3 c^2 f^2 g^2 h^2 k^3 + 3a^3 b^2 c^3 e^2 f^2 j^3 k + 3a^3 b^2 c^3 d^2 f^2 j^3 l + 3a^2 b^2 c^4 e^2 f^3 j^2 k + 3a^2 b^2 c^4 d^2 f^3 j^2 l + 45a^3 b^2 c^4 d^2 g^2 h^2 l^2 + 36a^4 b^2 c^2 e^2 f^2 g^2 m^3 + 36a^4 b^2 c^2 d^2 f^2 h^2 m^3 - 27a^3 b^2 c^4 e^2 g^2 h^2 k^2$

$$\begin{aligned}
& 2 - 27a^3b^3c^4d^2g^2h^2j^2 - 18a^3b^3c^4f^2g^2h^2j^2 + 18a^3b^3c^4d^2e^2j^2 \\
& + 15a^3b^3c^2d^2e^2j^2 + 12a^2b^2c^4e^2f^3g^2m + 12a^2b^2c^4d^2f^3h^2m \\
& + 9a^3b^3c^4f^2g^2h^2j^2 + 9a^3b^3c^4e^2g^2h^2k + 9a^3b^3c^4d^2f^2j^2k^2 \\
& + 9a^2b^2c^5d^2f^2j^2k + 9a^2b^5c^2d^2g^2h^2j^2 - 9a^2b^4c^3d^2g^2h^2j^2 \\
& - 6a^2b^2c^4e^2f^3h^2j^2 + 3a^3b^2c^3f^2g^2h^2j^2 + 3a^2b^2c^4f^3g^2h^2j^2 \\
& + 45a^3b^3c^4d^2f^2g^2m^2 - 27a^2b^2c^5d^2f^2g^2m + 18a^3b^3c^4e^2f^2g^2m^2 \\
& + 15a^3b^3c^2e^2f^2g^2m^2 - 12a^3b^2c^3d^2e^2j^2k^3 + 9a^3b^3c^4d^2e^2h^2m^2 \\
& + 9a^3b^3c^4e^2g^2h^2j^2 + 9a^3b^3c^4e^2f^2h^2k^2 - 9a^2b^3c^3d^2f^2h^3j^2 \\
& + 9a^2b^2c^5d^2f^2h^2j^2 + 9a^2b^5c^2d^2f^2g^2m^2 + 9a^2b^3c^4d^2f^2g^2m \\
& + 6a^3b^3c^2d^2f^2h^2j^2 + 3a^2b^4c^2d^2e^2j^2k^3 + 18a^3b^3c^4e^2f^2g^2k^2 \\
& + 18a^2b^2c^5d^2g^2h^2j^2 + 18a^2b^2c^5d^2f^2g^2j^2 + 18a^2b^2c^5d^2e^2g^2m \\
& - 12a^3b^2c^3d^2f^2h^2k^3 + 9a^3b^3c^4e^2f^2h^2j^2 + 9a^3b^3c^4d^2f^2g^2j^2 \\
& + 9a^3b^3c^4d^2e^2g^2m^2 + 9a^3b^3c^4d^2g^2h^2j^2 + 9a^2b^2c^4e^2f^2g^3k \\
& + 9a^2b^2c^4d^2g^3h^2j^2 + 9a^2b^2c^4d^2f^2g^3j^2 + 9a^2b^2c^4d^2e^2g^3m \\
& + 9a^2b^2c^5e^2f^2h^2j^2 + 9a^2b^2c^5e^2f^2g^2k - 9a^2b^3c^4d^2g^2h^2j^2 \\
& - 9a^2b^3c^4d^2f^2g^2j^2 - 9a^2b^3c^4d^2e^2g^2m - 3a^3b^2c^3e^2f^2g^2k^3 \\
& + 3a^2b^4c^2e^2f^2g^2k^3 + 3a^2b^4c^2d^2f^2h^2k^3 - 54a^3b^3c^4d^2e^2f^2m^2 \\
& - 51a^3b^3c^2d^2e^2f^2m^2 - 27a^3b^3c^4d^2e^2g^2m^2 + 9a^3b^3c^4d^2e^2h^2k^2 \\
& + 9a^2b^2c^5e^2f^2g^2j^2 + 9a^2b^2c^5d^2f^2h^2j^2 + 9a^2b^2c^5d^2e^2h^2j^2 \\
& + 9a^2b^2c^5d^2e^2g^2j^2 - 9a^2b^5c^2d^2e^2f^2m^2 - 9a^2b^4c^3d^2e^2g^2j^2 \\
& - 9a^2b^2c^5d^2e^2g^2j^2 - 9a^2b^2c^5d^2e^2f^2m - 3a^2b^3c^3e^2f^2g^2j^3 \\
& - 3a^2b^3c^3d^2f^2h^2j^3 + 36a^3b^2c^3d^2e^2f^2j^3 - 27a^2b^2c^5d^2f^2g^2j^2 \\
& - 18a^2b^4c^2d^2e^2f^2j^3 - 18a^2b^2c^5d^2e^2h^2j^2 + 9a^2b^2c^5d^2e^2h^2j^2 \\
& + 9a^2b^2c^5d^2f^2g^2j^2 + 9a^2b^4c^3d^2e^2f^2j^2 + 9a^2b^3c^4d^2f^2g^2j^2 \\
& - 9a^2b^2c^5d^2f^2g^2j^2 - 9a^2b^2c^5d^2e^2f^2j^2 + 3a^2b^2c^4d^2e^2h^3j^2 \\
& - 18a^2b^2c^5e^2f^2g^2h^2 + 18a^2b^2c^5d^2e^2f^2k^2 + 15a^2b^3c^3d^2e^2f^2k^3 \\
& + 9a^2b^2c^5e^2f^2g^2h^2 + 9a^2b^2c^5d^2e^2g^2j^2 - 9a^2b^3c^4d^2e^2f^2k^2 \\
& + 9a^2b^2c^5d^2e^2g^2j^2 - 9a^2b^2c^5d^2e^2f^2k + 3a^2b^2c^4e^2f^2g^2h^3 \\
& + 18a^2b^2c^5d^2e^2f^2j^2 + 9a^2b^2c^5d^2f^2g^2h^2 - 9a^2b^3c^4d^2e^2f^2j^2 \\
& + 9a^2b^2c^5d^2e^2f^2h^2 - 36a^6c^2f^2j^2k^2m^2 + 36a^5c^3f^2j^2k^2m - 36a^5c^3f^2h^2j^2k^2m \\
& + 36a^5c^3e^2h^2j^2k^2m - 18a^6b^2c^2j^2k^2m^2 + 9a^6b^2c^2j^2k^2m^2 + 3a^5b^2c^2j^3k^2m \\
& - 36a^5c^3f^2g^2j^2k^2m - 36a^5c^3e^2f^2k^2m + 36a^5c^3d^2g^2k^2m - 36a^4c^4d^2g^2k^2m \\
& - 36a^5c^3e^2h^2j^2k^2m - 36a^5c^3e^2f^2j^2k^2m - 36a^5c^3d^2f^2k^2m + 36a^4c^4e^2h^2j^2k^2m \\
& + 36a^4c^4e^2f^2j^2k^2m + 9a^6b^2c^2h^2k^2m^2 - 3a^4b^3c^2h^3k^2m - 36a^5c^3e^2g^2h^2k^2m \\
& + 36a^5c^3e^2f^2j^2k^2m - 36a^5c^3d^2g^2j^2k^2m + 36a^5c^3d^2f^2j^2k^2m - 36a^5c^3d^2e^2k^2m \\
& + 36a^4c^4e^2g^2h^2k^2m - 36a^4c^4e^2f^2j^2k^2m - 36a^4c^4d^2f^2j^2k^2m + 9a^6b^2c^2h^2j^2k^2m^2 \\
& + 9a^6b^2c^2g^2k^2m^2 + 9a^5b^2c^2g^2k^3m + 3a^3b^4c^2g^3k^2m + 36a^5c^3f^2g^2h^2j^2m^2 \\
& + 36a^5c^3e^2f^2h^2j^2m^2 - 36a^4c^4f^2g^2h^2j^2m - 36a^4c^4e^2f^2h^2j^2m - 24a^4b^2c^3f^3k^2m \\
& - 12a^5b^2c^2h^2j^3k^2m - 12a^5b^2c^2g^2j^3k^2m - 3a^2b^5c^2f^3k^2m - 36a^4c^4e^2g^2h^2k^2m \\
& - 36a^4c^4e^2f^2g^2j^2m + 12a^5b^2c^2e^2k^2m - 6a^5b^2c^2f^2j^2k^2m + 3a^5b^2c^2h^2j^2k^2m \\
& + 48a^3b^2c^4d^3k^2m + 36a^4c^4e^2f^2h^2j^2m + 36a^4c^4d^2g^2h^2k^2m - 36a^4c^4d^2f^2h^2k^2m \\
& - 36a^4c^4d^2e^2j^2k^2m + 24a^5b^2c^2d^2k^3m + 21a^2b^5c^2d^3k^2m - 12a^5b^2c^2g^2j^2k^3m \\
& - 9a^4b^3c^2d^2k^3m + 6a^5b^2c^2f^2j^2k^3m + 3a^5b^2c^2g^2h^2j^2k^3m - 36a^4c^4e^2f^2h^2j^2k^3m \\
& - 12a^5b^2c^2g^2h^2k^3m - 3a^5b^2c^2e^2j^2k^3m - 3a^5b^2c^2d^2j^2k^3m - 36a^4c^4d^2g^2h^2j^2k^2 \\
& - 36a^4c^4d^2f^2g^2k^2m - 36a^4c^4d^2e^2g^2k^2m + 36a^3c^5d^2g^2h^2j^2k^2m + 36a^3c^5d^2f^2g^2k^2m \\
& - 36a^3c^5d^2f^2g^2j^2m + 36a^3c^5d^2e^2h^2j^2k^2m + 36a^3c^5d^2e^2g^2k^2m - 36a^3c^5d^2e^2f^2j^2m \\
& + 24a^5b^2c^2e^2h^2j^2k^2m - 24a^3b^2c^4e^2j^2k^2m - 12a^5b^2c^2f^2h^2k^2m - 12a^5b^2c^2f^2g^2j^2k^2m \\
& - 3a^5b^2c^2g^2h^2j^2k^2m - 3a^4b^3c^2e^2j^2k^2m - 3a^2b^5c^2e^2j^2k^2m + 36a^4c^4d^2e^2h^2j^2k^2m \\
& + 36a^4c^4d^2e^2g^2k^2m - 36a^3c^5d^2e^2h^2j^2k^2m - 36a^3c^5d^2e^2f^2k^2m + 24a^4b^2c^3e^2h^3k^2m
\end{aligned}$$

$$\begin{aligned}
& m - 24a^3b^3c^4e^3g^1m - 18a^4b^4c^3d^3j^2k^1 - 12a^4b^3c^3g^3h^3j^* \\
& l - 12a^4b^3c^3f^3h^3k^1 - 12a^4b^3c^3d^3h^3l^1m + 12a^3b^3c^4e^3h^3k^* \\
& m + 6a^4b^3c^3f^3h^3j^*m - 3a^4b^3c^3g^3h^3j^*l^3 - 3a^4b^3c^3f^3h^3k^*l^3 - \\
& 3a^4b^3c^3e^3g^1l^3m - 3a^4b^3c^3d^3h^3l^3m - 3a^3b^5c^2e^3h^3k^*m - 3a^* \\
& a^3b^5c^2e^3g^1m + 36a^4c^4e^3f^3g^3h^1l^2 - 36a^4c^4d^3e^3f^3j^*m^2 - 36a^* \\
& a^3c^5e^2f^3g^3h^1 - 36a^3c^5d^3f^2g^3j^*k - 36a^3c^5d^3e^3f^2k^1 + 36a^* \\
& a^3c^5d^3e^3f^2j^*m - 18a^4b^4c^3d^3h^3k^*m - 9a^4b^4c^3d^3g^1m + 30a^* \\
& ^5b^3c^2d^3g^3k^*m^3 - 30a^4b^3c^3d^3g^3k^*m^3 - 24a^5b^3c^2e^3f^3k^*m^3 - 24a^* \\
& ^5b^3c^2d^3f^1m^3 + 24a^4b^3c^3e^3g^3j^3m + 24a^4b^3c^3d^3h^3j^3m + 15a^* \\
& ^4b^3c^3e^3f^3k^*m^3 + 15a^4b^3c^3d^3f^1m^3 + 12a^5b^3c^2e^3g^3j^*m^3 + 12a^* \\
& ^5b^3c^2d^3h^3j^*m^3 - 12a^4b^3c^3f^3h^3j^3k - 12a^4b^3c^3f^3g^3j^3l + 6a^* \\
& ^4b^3c^3e^3g^3j^*m^3 + 6a^4b^3c^3d^3h^3j^*m^3 + 6a^4b^3c^3e^3h^3j^3l + 36a^3c^* \\
& ^5d^3e^3g^2h^1 - 24a^5b^3c^2f^3g^3h^3m^3 + 15a^4b^3c^3f^3g^3h^3m^3 - 9a^3b^6 \\
& ^*c^d^2g^3j^*m^2 - 6a^3b^4c^3d^3g^3k^*l^3 - 6a^3b^4c^3e^3f^3j^*m + 3a^3b^4c^* \\
& ^3e^3g^3j^*l^3 + 3a^3b^4c^3e^3f^3k^*l^3 + 3a^3b^4c^3d^3h^3j^*l^3 + 3a^3b^4c^3d^* \\
& ^3e^3l^3m + 3a^3b^4c^3e^3h^3j^*k + 3a^3b^4c^3e^3g^3j^*l + 3a^3b^4c^3e^3f^* \\
& ^3k^*l + 3a^3b^4c^3d^3e^3l^1m - 36a^3c^5d^3e^3g^3h^2k + 30a^2b^3c^5d^3f^* \\
& ^3j^*m - 30a^3b^3c^4d^3f^3j^*m + 24a^3b^3c^4d^3g^3j^*l - 24a^2b^3c^5d^3h^* \\
& ^3j^*k - 24a^2b^3c^5d^3f^3k^*l - 24a^2b^3c^5d^3e^3k^*m + 15a^3b^3c^4d^3h^* \\
& ^3j^*k + 15a^3b^3c^4d^3f^3k^*l + 15a^3b^3c^4d^3e^3k^*m - 12a^3b^3c^4e^3g^3 \\
& ^3j^*k + 12a^2b^3c^5d^3g^3j^*l + 6a^3b^3c^4d^3g^3j^*l + 3a^3b^4c^3f^3g^3h^1 \\
& ^3 + 3a^3b^4c^3e^3g^3h^3m + 24a^3b^3c^4d^3g^3h^3m - 12a^3b^3c^4f^3g^3h^* \\
& ^3k + 12a^2b^3c^5d^3g^3h^3m - 9a^3b^4c^3d^3e^3j^*m^3 + 6a^3b^3c^4e^3g^3h^1 \\
& ^3 + 6a^3b^3c^4d^3g^3h^3m + 36a^3c^5d^3e^3f^3g^3k^2 - 36a^2c^6d^2e^3f^3g^3k - \\
& 24a^4b^3c^3d^3e^3j^*l^3 - 18a^3b^4c^3e^3f^3g^3m^3 - 18a^3b^4c^3d^3f^3h^3m^3 - \\
& 3a^2b^5c^3d^3e^3j^*l^3 - 3a^3b^3c^4d^3e^3j^*l - 24a^4b^3c^3e^3f^3g^1l^3 + 2 \\
& 4a^3b^3c^4d^3f^3h^3l^1 + 12a^4b^3c^3d^3f^3h^1l^3 - 12a^3b^3c^4e^3g^3h^3j - 1 \\
& 2a^3b^3c^4e^3f^3h^3k - 12a^3b^3c^4d^3e^3h^3m - 12a^3b^2c^5d^3e^3j^*k + 6 \\
& ^*a^3b^3c^4d^3g^3h^3k - 3a^2b^5c^3e^3f^3g^1l^3 - 3a^2b^5c^3d^3f^3h^1l^3 - 3a^* \\
& ^3b^3c^4e^3g^3h^3j - 3a^3b^3c^4e^3f^3h^3k - 3a^3b^3c^4e^3f^3g^1l - 3a^3b^3 \\
& ^3c^4d^3e^3h^3m + 24a^3b^2c^5d^3e^3h^1l - 12a^3b^2c^5d^3f^3h^3k - 3a^3b^2c^* \\
& ^5d^3g^3h^3j - 3a^3b^2c^5d^3f^3g^1l - 3a^3b^2c^5d^3e^3g^3m + 48a^4b^3c^3 \\
& ^3d^3e^3f^3m^3 + 24a^2b^3c^5d^3e^3f^3m + 21a^2b^5c^3d^3e^3f^3m^3 - 12a^2b^3c^* \\
& ^5e^3f^3g^3j - 12a^2b^3c^5d^3f^3h^3j - 9a^3b^3c^4d^3e^3f^3m + 6a^2b^3c^5d^* \\
& ^3d^3f^3g^3k + 12a^3b^2c^5d^3e^3f^1l - 6a^3b^2c^5d^3e^3g^3k + 3a^3b^2c^5d^* \\
& ^3e^3h^3j - 24a^3b^3c^4d^3e^3f^3k^3 - 12a^2b^3c^5d^3e^3g^3j - 3a^3b^5c^2d^3e^* \\
& ^3f^3k^3 + 3a^3b^2c^5e^3f^3g^3h - 12a^2b^3c^5d^3f^3g^3h + 9a^3b^2c^5d^3e^3f^* \\
& ^3j + 9a^3b^3c^6d^2e^3f^3j + 3a^3b^4c^3d^3e^3f^3j^3 + 9a^3b^3c^6d^2e^2g^3 \\
& ^3h + 9a^3b^3c^6d^2e^3f^2h - 3a^3b^3c^4d^3e^3f^3h^3 - 18a^3b^3c^6d^2e^3f^3g^2 \\
& ^3 + 9a^3b^3c^6d^2e^2f^2g + 3a^3b^2c^5d^3e^3f^3g^3 - 36a^4b^2c^2e^2k^1l^2* \\
& m - 9a^4b^2c^2g^2j^2k^*m + 45a^3b^3c^2d^2k^2l^1m + 36a^4b^2c^2 \\
& ^2e^2j^1m^2 + 9a^4b^2c^2g^2j^2k^2l^1 + 9a^3b^3c^2e^2j^2l^1m + 9a^* \\
& ^4b^2c^2g^2h^3k^2m - 9a^4b^2c^2f^2h^3l^2m - 9a^3b^3c^2f^2j^2k^* \\
& ^2l - 45a^3b^3c^2d^2j^2k^*m^2 + 36a^3b^2c^3d^2j^2k^*m + 18a^4b^2c^2 \\
& ^2f^2h^3k^*m^2 + 18a^4b^2c^2f^2g^1m^2 - 9a^4b^2c^2g^2h^3k^1l^2 - 9 \\
& ^*a^4b^2c^2f^3h^2k^2m - 9a^4b^2c^2f^3g^2l^2m - 9a^4b^2c^2e^3j^2k^* \\
& ^2l - 9a^4b^2c^2d^2j^2k^2m - 9a^3b^3c^2e^2j^2k^*l^2 - 9a^2b^4c^2 \\
& ^2d^2j^2k^*m - 36a^3b^2c^3d^2j^2k^2l^1 - 27a^3b^2c^3e^2h^2k^*m + \\
& 9a^4b^2c^2g^3h^2j^1l^2 + 9a^4b^2c^2f^3h^2k^1l^2 - 9a^4b^2c^2f^3g^2 \\
& ^2k^*m^2 - 9a^4b^2c^2e^3g^2l^1m^2 - 9a^4b^2c^2d^2j^2k^1l^2 + 9a^4b^2c^* \\
& ^2d^2h^2l^2m - 9a^3b^3c^2e^2g^1l^2m + 9a^2b^4c^2e^2h^2k^*m + 9 \\
& ^*a^2b^4c^2d^2j^2k^2l^1 - 45a^3b^3c^2e^2h^3j^*m^2 + 36a^4b^2c^2e^2h^3 \\
& ^2j^*m^2 + 36a^3b^2c^3e^2h^3j^2m - 36a^3b^2c^3d^2h^3k^2m + 36a^2b^* \\
& ^3c^3d^2g^2l^1m - 9a^4b^2c^2f^3h^3j^2l^2 - 9a^4b^2c^2d^2h^2k^*m^2 \\
& + 9a^3b^3c^2f^2h^3j^1l^2 + 9a^3b^3c^2e^2f^1m^2 + 9a^3b^3c^2e^2e^* \\
& ^2h^2j^2m - 9a^3b^2c^3f^2h^2j^1l - 9a^2b^4c^2e^2h^3j^2m + 9a^2b^4 \\
& ^4c^2d^2h^3k^2m + 36a^3b^2c^3d^2h^3k^1l^2 - 27a^4b^2c^2e^3g^3j^2m^2 \\
& - 27a^4b^2c^2d^2h^3j^2m^2 - 9a^4b^2c^2d^2h^3k^2l^2 - 9a^3b^3c^2e^* \\
& ^2f^2k^*m^2 - 9a^3b^3c^2d^2f^2l^1m^2 + 9a^3b^2c^3f^2h^3j^2k + 9a^3
\end{aligned}$$

$$\begin{aligned}
& *b^2*c^3*f^2*g*j^2*1 - 9*a^3*b^2*c^3*e^2*g*k^2*1 - 9*a^3*b^2*c^3*e^2*f*k^2* \\
& m - 9*a^3*b^2*c^3*d^2*f*1^2*m - 9*a^2*b^4*c^2*d^2*h*k*1^2 + 9*a^2*b^3*c^3*d \\
& ^2*h^2*k*1 - 81*a^3*b^2*c^3*d^2*g*j*m^2 + 54*a^2*b^4*c^2*d^2*g*j*m^2 - 45*a \\
& ^3*b^3*c^2*d*g^2*j*m^2 - 45*a^2*b^3*c^3*d^2*g*j^2*m + 36*a^3*b^2*c^3*d^2*f* \\
& k*m^2 + 36*a^3*b^2*c^3*d*g^2*j^2*m + 18*a^3*b^2*c^3*e^2*g*j*1^2 + 18*a^3*b^ \\
& 2*c^3*e^2*f*k*1^2 + 18*a^3*b^2*c^3*d*e^2*1^2*m - 9*a^4*b^2*c^2*d*f*k^2*m^2 \\
& - 9*a^3*b^3*c^2*f^2*g*h*m^2 - 9*a^3*b^3*c^2*d*h^2*j*1^2 - 9*a^3*b^2*c^3*f^2 \\
& *g*j*k^2 - 9*a^3*b^2*c^3*d^2*e*1*m^2 - 9*a^3*b^2*c^3*f*g^2*h^2*m - 9*a^3*b^ \\
& 2*c^3*e*g^2*j^2*1 - 9*a^3*b^2*c^3*e*f^2*k^2*1 - 9*a^2*b^4*c^2*d^2*f*k*m^2 - \\
& 9*a^2*b^4*c^2*d*g^2*j^2*m - 9*a^2*b^3*c^3*e^2*h^2*j*k - 9*a^2*b^2*c^4*d^2* \\
& f^2*k*m - 27*a^2*b^2*c^4*d^2*g^2*j*1 - 9*a^3*b^3*c^2*f*g*h^2*1^2 + 9*a^3*b^ \\
& 2*c^3*e*g^2*j*k^2 - 9*a^3*b^2*c^3*e*f^2*j*1^2 - 9*a^3*b^2*c^3*d*h^2*j^2*k - \\
& 9*a^3*b^2*c^3*d*f^2*k*1^2 - 9*a^3*b^2*c^3*d*e^2*k*m^2 - 9*a^2*b^3*c^3*e^2* \\
& g*h^2*m - 9*a^2*b^3*c^3*d^2*h*j*k^2 - 9*a^2*b^3*c^3*d^2*f*k^2*1 - 9*a^2*b^3 \\
& *c^3*d^2*e*k^2*m + 36*a^3*b^3*c^2*d*e*j^2*m^2 + 36*a^3*b^2*c^3*e^2*f*h*m^2 \\
& - 27*a^2*b^2*c^4*d^2*g^2*h*m + 9*a^3*b^3*c^2*e*f*h^2*m^2 + 9*a^3*b^2*c^3*f* \\
& g^2*h*k^2 - 9*a^2*b^4*c^2*e^2*f*h*m^2 + 9*a^2*b^3*c^3*d^2*e*k*1^2 - 9*a^2*b \\
& ^2*c^4*e^2*f^2*h*m - 45*a^2*b^3*c^3*d^2*g*h*1^2 - 36*a^3*b^2*c^3*e*f^2*g*m^ \\
& 2 + 36*a^3*b^2*c^3*d*g^2*h*1^2 - 36*a^3*b^2*c^3*d*f^2*h*m^2 + 36*a^2*b^2*c^ \\
& 4*d^2*g*h^2*1 - 9*a^3*b^2*c^3*e*g*h^2*k^2 + 9*a^2*b^4*c^2*e*f^2*g*m^2 - 9*a \\
& ^2*b^4*c^2*d*g^2*h*1^2 + 9*a^2*b^4*c^2*d*f^2*h*m^2 + 9*a^2*b^3*c^3*e^2*g*h* \\
& k^2 + 9*a^2*b^3*c^3*d*g^2*h^2*1 - 9*a^2*b^3*c^3*d*e^2*j*1^2 - 9*a^2*b^2*c^4 \\
& *e^2*g^2*h*k - 9*a^2*b^2*c^4*e^2*f*g^2*m - 9*a^2*b^2*c^4*d^2*f*j^2*k - 9*a^ \\
& 2*b^2*c^4*d^2*f*h^2*m - 9*a^2*b^2*c^4*d^2*e*j^2*1 - 45*a^2*b^3*c^3*d^2*f*g* \\
& m^2 + 36*a^3*b^2*c^3*d*f*g^2*m^2 - 27*a^3*b^2*c^3*d*f*h^2*1^2 + 18*a^2*b^2* \\
& c^4*d^2*e*j*k^2 + 9*a^2*b^4*c^2*d*f*h^2*1^2 - 9*a^2*b^4*c^2*d*f*g^2*m^2 - 9 \\
& *a^2*b^3*c^3*e^2*f*g*1^2 + 9*a^2*b^2*c^4*e^2*g*h^2*j + 9*a^2*b^2*c^4*e^2*f* \\
& h^2*k - 9*a^2*b^2*c^4*e*f^2*g^2*1 - 9*a^2*b^2*c^4*d*f^2*g^2*m - 9*a^2*b^2*c \\
& ^4*d*e^2*j^2*k + 9*a^2*b^2*c^4*d*e^2*h^2*m + 18*a^4*b^2*c^2*f^2*j^2*m^2 + 1 \\
& 8*a^3*b^2*c^3*e^2*h^2*1^2 - 9*a^2*b^4*c^2*e^2*h^2*1^2 + 18*a^2*b^2*c^4*d^2* \\
& g^2*k^2 + 12*a^6*c^2*j^3*k*1*m + 3*a^6*b^2*j*k*1*m^3 - 12*a^6*c^2*g*k^3*1*m \\
& - 12*a^5*c^3*g^3*k*1*m - 24*a^6*c^2*e*k*1^3*m - 24*a^4*c^4*e^3*k*1*m + 12* \\
& a^6*c^2*h*j*k*1^3 + 12*a^6*c^2*f*j*1^3*m + 12*a^5*c^3*h^3*j*k*1 - 3*a^5*b^3 \\
& *h*j*k*m^3 - 3*a^5*b^3*g*j*1*m^3 - 3*a^5*b^3*f*k*1*m^3 + 12*a^6*c^2*g*h*1^3 \\
& *m + 12*a^5*c^3*g*h^3*1*m - 12*a^6*c^2*e*j*k*m^3 - 12*a^6*c^2*d*j*1*m^3 - 1 \\
& 2*a^5*c^3*f*j^3*k*1 - 12*a^5*c^3*e*j^3*k*m - 12*a^5*c^3*d*j^3*1*m - 12*a^4* \\
& c^4*f^3*j*k*1 + 24*a^6*c^2*f*h*k*m^3 + 24*a^6*c^2*f*g*1*m^3 + 24*a^4*c^4*f^ \\
& 3*h*k*m + 24*a^4*c^4*f^3*g*1*m - 12*a^6*c^2*g*h*j*m^3 - 12*a^6*c^2*e*h*1*m^ \\
& 3 - 12*a^5*c^3*g*h*j^3*m + 3*b^6*c^2*d^3*j*k*1 + 3*a^4*b^4*e*j*k*m^3 + 3*a^ \\
& 4*b^4*d*j*1*m^3 - 24*a^5*c^3*d*j*k^3*1 - 24*a^3*c^5*d^3*j*k*1 - 6*a^4*b^4*e \\
& *h*1*m^3 + 3*b^6*c^2*d^3*h*k*m + 3*b^6*c^2*d^3*g*1*m + 3*a^6*b*c*j^2*1^3*m \\
& + 3*a^4*b^4*g*h*j*m^3 + 3*a^4*b^4*f*h*k*m^3 + 3*a^4*b^4*f*g*1*m^3 - 24*a^5* \\
& c^3*d*h*k^3*m - 24*a^3*c^5*d^3*h*k*m + 12*a^5*c^3*g*h*j*k^3 + 12*a^5*c^3*f* \\
& g*k^3*1 + 12*a^5*c^3*e*h*k^3*1 + 12*a^5*c^3*e*g*k^3*m + 12*a^4*c^4*g^3*h*j* \\
& k + 12*a^4*c^4*f*g^3*k*1 + 12*a^4*c^4*f*g^3*j*m + 12*a^4*c^4*e*g^3*k*m + 12 \\
& *a^4*c^4*d*g^3*1*m + 12*a^3*c^5*d^3*g*1*m + 3*a^6*b*c*j*k^3*m^2 - 9*a^6*b*c \\
& *h^2*1*m^3 - 3*a^5*b*c^2*j^4*k*1 + 24*a^5*c^3*e*g*j*1^3 + 24*a^5*c^3*e*f*k* \\
& 1^3 + 24*a^5*c^3*d*e*1^3*m + 24*a^3*c^5*e^3*g*j*1 + 24*a^3*c^5*e^3*f*k*1 + \\
& 24*a^3*c^5*d*e^3*1*m - 12*a^5*c^3*d*h*j*1^3 - 12*a^5*c^3*d*g*k*1^3 - 12*a^4 \\
& *c^4*e*h^3*j*k - 12*a^4*c^4*d*h^3*j*1 - 12*a^3*c^5*e^3*h*j*k - 12*a^3*c^5*e \\
& ^3*f*j*m + 9*a^4*b*c^3*g^4*1*m + 6*b^5*c^3*d^3*f*j*m + 6*a^3*b^5*d*g*k*m^3 \\
& - 3*b^5*c^3*d^3*h*j*k - 3*b^5*c^3*d^3*g*j*1 - 3*b^5*c^3*d^3*f*k*1 - 3*b^5*c \\
& ^3*d^3*e*k*m - 3*a^3*b^5*e*g*j*m^3 - 3*a^3*b^5*e*f*k*m^3 - 3*a^3*b^5*d*h*j* \\
& m^3 - 3*a^3*b^5*d*f*1*m^3 - 12*a^5*c^3*f*g*h*1^3 - 12*a^4*c^4*f*g*h^3*1 - 1 \\
& 2*a^4*c^4*e*g*h^3*m - 12*a^3*c^5*e^3*g*h*m - 9*a^6*b*c*g*k^2*m^3 - 3*b^5*c^ \\
& 3*d^3*g*h*m + 3*a^6*b*c*f*1^3*m^2 - 3*a^3*b^5*f*g*h*m^3 + 12*a^5*c^3*d*e*j* \\
& m^3 + 12*a^4*c^4*e*f*j^3*k + 12*a^4*c^4*d*g*j^3*k + 12*a^4*c^4*d*f*j^3*1 + \\
& 12*a^4*c^4*d*e*j^3*m + 12*a^3*c^5*e*f^3*j*k + 12*a^3*c^5*d*f^3*j*1 - 9*a^6* \\
& b*c*e*1^2*m^3 - 24*a^5*c^3*e*f*g*m^3 - 24*a^5*c^3*d*f*h*m^3 - 24*a^3*c^5*e
\end{aligned}$$

$$\begin{aligned}
& f^3g^m - 24a^3c^5d^4f^3h^m - 15a^2b^3c^5d^4l^m + 15a^2b^3c^4d^4l^m \\
& + 12a^4c^4f^3g^h^j + 12a^3c^5f^3g^h^j + 12a^3c^5e^3f^3h^l + 9a^3b^3c^4f^4k^l \\
& - 9a^3b^3c^4f^4j^m + 3b^4c^4d^3e^3j^k + 3a^5b^2c^3g^j^l^4 + 3a^5b^2c^3d^3l^4 \\
& + 3a^5b^2c^3d^3l^4m - 3a^5b^3c^2h^3j^k^4 - 3a^5b^3c^2f^3k^4 \\
& - 3a^5b^3c^2e^3k^4m - 3a^4b^3c^3h^4j^k + 3a^2b^6d^3e^3j^m^3 + 3a^2b^4c^3e^4k^m \\
& + 24a^4c^4d^3e^3j^k^3 + 24a^2c^6d^3e^3j^k - 6b^4c^4d^3e^3h^l + 3b^4c^4d^3g^h^j \\
& + 3b^4c^4d^3f^3h^k + 3b^4c^4d^3f^3g^l + 3b^4c^4d^3e^3g^m - 3a^4b^3c^3g^h^4m \\
& + 3a^2b^6e^3f^3g^m^3 + 3a^2b^6d^3f^3h^m^3 - 3a^2b^6c^3e^3j^m^2 + 24a^4c^4d^3f^3h^k^3 \\
& + 24a^2c^6d^3f^3h^k - 12a^4c^4e^3f^3g^k^3 - 12a^3c^5e^3f^3g^3k - 12a^3c^5d^3g^3h^j \\
& - 12a^3c^5d^3f^3g^3l - 12a^3c^5d^3e^3g^3m - 12a^2c^6d^3g^3h^j - 12a^2c^6d^3f^3g^l \\
& - 12a^2c^6d^3e^3h^l - 12a^2c^6d^3e^3g^m - 12a^2b^2c^5d^4j^l + 9a^5b^3c^2d^3j^l^4 \\
& + 9a^2b^3c^5e^4j^k - 3a^4b^3c^3d^3j^l^4 - 3a^4b^3c^3e^3j^4k - 3a^4b^3c^3d^3j^4l \\
& - 3a^2b^3c^4e^4j^k - 24a^4c^4d^3e^3f^l^3 - 24a^2c^6d^3e^3f^l - 12a^5b^2c^3e^3g^m^4 \\
& - 12a^5b^2c^3d^3h^m^4 + 12a^3c^5d^3e^3h^3j + 12a^2c^6d^3e^3h^3j + 12a^2c^6d^3e^3g^k \\
& - 12a^2b^2c^5d^4h^m + 9a^5b^3c^2f^3g^l^4 - 9a^5b^3c^2e^3h^l^4 - 9a^2b^3c^5e^4h^l \\
& + 9a^2b^3c^5e^4g^m + 6a^4b^3c^3e^3h^l^4 + 6a^2b^3c^4e^4h^l - 3b^3c^5d^3e^3g^j \\
& - 3b^3c^5d^3e^3f^k - 3a^4b^3c^3f^3g^l^4 - 3a^4b^3c^3g^h^j^4 - 3a^3b^3c^4g^4h^j \\
& - 3a^3b^3c^4f^3g^4l - 3a^3b^3c^4e^3g^4m - 3a^2b^3c^4e^4g^m + 12a^3c^5e^3f^3g^h^3 \\
& + 12a^2c^6e^3f^3g^h - 3b^3c^5d^3f^3g^h - 12a^3c^5d^3e^3f^3j^3 - 12a^2c^6d^3e^3f^3j \\
& - 3a^2b^6c^3d^2g^l^3 - 15a^5b^3c^2d^3e^3m^4 + 15a^4b^3c^3d^3e^3m^4 + 9a^4b^3c^3e^3f^3k^4 \\
& - 9a^4b^3c^3d^3g^3k^4 + 3a^3b^4c^3d^3f^l^4 - 3a^3b^3c^4d^3h^4j - 3a^2b^3c^5e^3f^4k \\
& - 3a^2b^3c^5d^3f^4l + 3a^2b^2c^5e^4g^j + 3a^2b^2c^5e^4f^k + 3a^2b^2c^5d^3e^4m \\
& - 9a^2b^3c^6d^3e^2l + 3b^2c^6d^3e^3f^g - 3a^3b^3c^4f^3g^h^4 - 3a^2b^3c^5f^4g^h + 12a^2c^6d^3e^3f^3g \\
& - 9a^2b^3c^6d^3f^2j + 3a^2b^3c^6d^2e^3k + 9a^3b^3c^4d^3e^3j^4 - 3a^2b^3c^5e^3f^3g^4 \\
& - 9a^2b^3c^6d^3e^3h^2 + 3a^2b^3c^6d^2f^3g + 3a^2b^3c^6d^2e^3g^2 - 3a^4b^2c^2h^3j^2m \\
& + 12a^4b^2c^2g^3j^2m^2 - 3a^4b^2c^2f^2k^3m + 3a^3b^3c^2g^3j^2m - 9a^3b^4c^3f^2j^2m \\
& + 9a^3b^3c^2f^2j^3m - 6a^3b^3c^2f^3j^2m - 6a^3b^2c^3f^3j^2m - 3a^2b^4c^2f^3j^2m \\
& - 27a^4b^2c^2d^2k^3m^3 - 27a^3b^2c^3e^3j^2m^2 + 18a^2b^4c^2e^3j^2m - 15a^2b^3c^3e^3j^2m \\
& + 12a^4b^2c^2f^2j^l^3 + 3a^3b^3c^2e^2k^3l + 42a^2b^3c^3d^3j^2m - 27a^2b^2c^4d^3j^2m \\
& - 15a^3b^3c^2d^2k^3l - 3a^4b^2c^2f^3j^2k^3 - 3a^4b^2c^2f^3h^3m^2 + 3a^3b^3c^2g^3h^3l^2 \\
& + 3a^3b^3c^2f^2j^k^3 - 3a^3b^2c^3g^3h^2l - 3a^3b^2c^3e^2j^3l - 27a^4b^2c^2e^2h^3m^3 \\
& + 12a^3b^2c^3f^3h^3l^2 + 3a^3b^3c^2f^3g^3m^2 - 3a^2b^4c^2f^3h^3l^2 + 3a^2b^3c^3f^3h^2l \\
& + 9a^3b^3c^2e^3h^3l^2 + 9a^2b^3c^3e^2h^3l - 6a^4b^2c^2e^3h^2l^3 - 6a^3b^3c^2e^2h^3l^3 \\
& - 6a^2b^3c^3e^3h^3l^2 - 6a^2b^2c^4e^3h^2l + 3a^2b^3c^3d^2j^3k + 42a^3b^3c^2d^2g^3m^3 \\
& - 27a^4b^2c^2d^2g^2m^3 - 27a^2b^2c^4d^3h^3l^2 - 15a^2b^3c^3e^3f^3m^2 + 12a^3b^2c^3e^2h^3k^3 \\
& + 3a^3b^3c^2e^3h^3k^3 - 3a^3b^2c^3e^3g^3l^2 - 3a^2b^4c^2e^2h^3k^3 + 3a^2b^3c^3f^3g^k^2 \\
& - 3a^2b^2c^4f^3g^2k - 27a^3b^2c^3d^2g^l^3 - 27a^2b^2c^4d^3f^3m^2 + 18a^2b^4c^2d^2g^l^3 \\
& - 15a^3b^3c^2d^2g^2l^3 + 12a^2b^2c^4e^3g^k^2 - 3a^3b^2c^3e^3h^2j^3 + 3a^2b^3c^3e^2h^3j^3 \\
& + 3a^2b^3c^3e^3f^3l^2 - 3a^2b^2c^4d^2h^3k + 9a^2b^3c^3d^3g^3k^2 - 9a^2b^4c^3d^2g^2k^2 \\
& - 6a^3b^2c^3d^3g^2k^3 - 6a^2b^3c^3d^2g^3k^3 - 3a^2b^4c^2d^3g^2k^3 + 12a^2b^2c^4d^2g^2j^3 \\
& + 3a^2b^3c^3d^3g^2j^3 - 3a^2b^2c^4d^3f^3k^2 - 3a^2b^2c^4d^3g^2h^3 + 12a^7c^3j^k^l^m^3 \\
& - 3b^7c^3k^l^m - 3a^6b^3c^k^4l^m - 3a^6b^3c^3j^k^l^4 - 3a^6b^3c^3g^l^4m \\
& - 9a^6b^3c^3f^3j^m^4 + 9a^6b^3c^3e^3k^m^4 + 9a^6b^3c^3d^3l^m^4 + 9a^6b^3c^3g^3h^m^4 \\
& - 3a^2b^7d^3e^3f^3m^3 + 9a^2b^3c^6d^4h^j - 9a^2b^3c^6d^4g^k + 9a^2b^3c^6d^4f^l \\
& + 9a^2b^3c^6d^4e^m + 12a^7c^3e^3f^g - 3a^2b^3c^6d^4e^4j - 3a^2b^3c^6d^4f^3g \\
& - 3a^2b^3c^6d^4e^4f + 18a^6c^2h^2j^l^m^2 - 18a^6c^2h^2j^2l^2m + 18a^6c^2f^3k^2l^2m \\
& + 36a^5c^3e^2k^l^2m + 18a^6c^2g^3j^k^2m^2 + 18a^6c^2e^3k^2l^2m + 18a^5c^3g^2j^2k^m + 1
\end{aligned}$$

$$\begin{aligned}
& 8a^6c^2e^j1^2m^2 + 18a^6c^2d^*k1^2m^2 - 18a^5c^3e^2j1m^2 - 1 \\
& 8a^6c^2f^*h1^2m^2 + 18a^5c^3f^2*h1^2m - 36a^5c^3f^2*h*k^2m^2 - 3 \\
& 6a^5c^3f^2*g^*1m^2 + 18a^5c^3g^2*h*k1^2 - 18a^5c^3g^*h^2k^21 + 1 \\
& 8a^5c^3f^*h^2k^2m + 18a^5c^3f^*g^21^2m + 18a^5c^3e^*j^2k^21 + 1 \\
& 8a^5c^3d^*j^2k^2m - 18a^4c^4d^2*j^2k^2m + 36a^4c^4d^2*j^k^21 + 1 \\
& 8a^5c^3f^*g^2k^2m + 18a^5c^3e^*g^21m^2 + 18a^5c^3d^*j^2k1^2 - 1 \\
& 8a^4c^4f^2*g^2k^2m + 36a^4c^4d^2*h*k^2m + 18a^5c^3f^*h*j^21^2 - 1 \\
& 8a^5c^3e^*h^2j^2m + 18a^5c^3d^*h^2k^2m + 18a^4c^4f^2*h^2j^21 - 1 \\
& 8a^4c^4e^2*h^j^2m - 18a^5c^3e^*g^*k^21^2 + 18a^5c^3d^*h*k^21^2 + 1 \\
& 8a^4c^4e^2*g^*k^21 + 18a^4c^4e^2*f^*k^2m - 18a^4c^4d^2*h*k1^2 + 1 \\
& 8a^4c^4d^2*f^*1^2m - 36a^4c^4e^2*g^*j1^2 - 36a^4c^4e^2*f^*k1^2 - 3 \\
& 6a^4c^4d^2e^21^2m + 18a^5c^3d^*f^*k^2m^2 + 18a^4c^4f^2*g^*j^k^2 + 1 \\
& 8a^4c^4d^2*g^*j^2m - 18a^4c^4d^2*f^*k^2m + 18a^4c^4d^2e^*1m^2 - 1 \\
& 8a^4c^4f^*g^2j^2k + 18a^4c^4f^*g^2h^2m + 18a^4c^4e^*g^2j^21 + 1 \\
& 8a^4c^4e^*f^2k^21 - 18a^4c^4d^*g^2j^2m - 18a^4c^4d^*f^2k^2m + 1 \\
& 8a^3c^5d^2f^2k^2m + 3a^4b^2c^2h^4k^2m - 3a^3b^3c^2g^41m + 18a^4c^4e^*f^2j^21 + 18a^4c^4d^*h^2j^2k + 18a^4c^4d^*f^2k^21 + 18a^4c^4d^*e^2k^2m - 18a^3c^5e^2f^2j^21 + 12a^5b^2c^*g^2k^2m^3 - 9a^5b^2c^2h^3j^2m - 9a^5b^2c^2f^21^3m + 3a^5b^2c^2h^2k^31 + 3a^4b^3c^2h^3j^2m + 3a^4b^3c^2f^21^3m - 18a^4c^4e^2f^*h^2m + 18a^3c^5e^2f^2h^2m + 15a^5b^2c^2e^21m^3 - 15a^4b^3c^2e^21m^3 - 9a^5b^2c^2g^2k^21^3 - 9a^4b^3c^3g^3j^2m - 3a^5b^2c^2g^*k^21^3 + 3a^5b^2c^2h^*j^31^2 + 3a^4b^3c^2g^2k^21^3 - 3a^3b^4c^2g^3j^2m + 36a^4c^4e^*f^2g^2m^2 + 36a^4c^4d^*f^2h^2m^2 + 18a^4c^4e^*g^*h^2k^2 - 18a^4c^4d^*g^2h^21 - 18a^4c^4d^*f^*j^2k^2 + 18a^3c^5e^2g^2h^2k + 18a^3c^5e^2f^*g^2m - 18a^3c^5d^2g^*h^21 + 18a^3c^5d^2f^*j^2k + 18a^3c^5d^2f^*h^2m + 18a^3c^5d^2e^*j^21 - 12a^2b^2c^4e^4k^2m + 9a^4b^3c^2f^*j^3m^2 - 9a^4b^2c^2f^*j^4m - 6a^5b^2c^2f^*j^2m^3 + 6a^5b^2c^2f^2j^2m^3 - 6a^5b^2c^2f^*j^3m^2 - 6a^4b^3c^2f^2j^3m + 6a^2b^3c^3f^4j^2m + 3a^3b^2c^3g^4j^21 + 3a^2b^5c^2f^3j^2m^2 - 3a^2b^3c^3f^4k^21 - 36a^3c^5d^2e^*j^k^2 - 18a^4c^4d^*f^*g^2m^2 + 18a^3c^5e^*f^2g^21 + 18a^3c^5d^*f^2g^2m + 18a^3c^5d^*e^2j^2k + 18a^3b^4c^2d^2k^2m^3 + 15a^3b^4c^4e^3j^2m + 12a^5b^2c^2d^*k^2m^3 - 9a^5b^2c^2f^*j^21^3 - 9a^4b^3c^3e^2k^31 + 3a^5b^2c^2e^*k^31^2 + 3a^4b^3c^2f^*j^21^3 + 3a^4b^3c^3g^2j^3k - 3a^3b^4c^2f^2j^21^3 + 3a^3b^2c^3g^4h^2m + 3a^2b^5c^2e^3j^2m - 36a^3c^5d^2f^*h^2k^2 - 21a^3b^4c^4d^3j^2m^2 - 21a^2b^5c^2d^3j^2m^2 + 18a^3c^5e^2f^*h^2j^2 - 18a^3c^5e^*f^2h^2j + 18a^3c^5d^*f^2h^2k + 18a^2b^4c^3d^3j^2m + 15a^4b^3c^3d^2k^21^3 - 9a^5b^2c^2d^*k^21^3 - 9a^4b^3c^3g^3h^21 - 9a^4b^3c^3f^2j^k^3 + 3a^4b^3c^2d^*k^21^3 + 3a^2b^5c^2d^2k^21^3 - 18a^3c^5d^2e^*g^21^2 + 18a^3c^5d^2e^*h^2k^2 + 18a^3b^4c^2e^2h^2m^3 - 18a^2c^6d^2e^2h^2k + 18a^2c^6d^2e^2g^21 + 18a^2c^6d^2e^2f^2m + 15a^5b^2c^2e^*h^2m^3 - 15a^4b^3c^2e^*h^2m^3 - 9a^4b^3c^3f^*g^3m^2 - 9a^3b^4c^4f^3h^21 + 3a^4b^2c^2e^*j^k^4 + 3a^4b^3c^3g^*h^3k^2 + 3a^3b^4c^4f^2g^3m + 36a^3c^5d^2e^2f^21^2 + 18a^3c^5d^*f^*g^2j^2 + 18a^2c^6d^2f^2g^*j + 18a^2c^6d^2e^*f^21 - 9a^3b^2c^3e^*h^41 - 9a^3b^2c^4d^2j^3k + 6a^4b^3c^3e^2h^21^3 - 6a^4b^3c^3e^*h^31^2 + 6a^3b^4c^4e^3h^21 - 6a^3b^3c^4e^2h^31 + 3a^4b^2c^2f^*h^2k^4 + 3a^4b^3c^3d^*j^3k^2 - 3a^3b^4c^2e^*h^21^3 + 3a^2b^5c^2e^2h^21^3 + 3a^2b^2c^4f^4h^2k + 3a^2b^2c^4f^4g^21 + 3a^2b^5c^2e^3h^21 - 3a^2b^4c^3e^3h^21 - 21a^4b^3c^3d^2g^2m^3 - 21a^2b^5c^2d^2g^2m^3 + 18a^3b^4c^2d^*g^2m^3 + 18a^2c^6d^2e^2f^2k + 18a^2b^4c^3d^3h^21 + 15a^3b^4c^4e^3f^2m^2 + 15a^2b^3c^5d^3h^21 - 15a^2b^3c^4d^3h^21 - 9a^4b^3c^3e^*h^2k^3 - 9a^3b^4c^4f^3g^*k^2 - 9a^2b^3c^5e^3f^2m + 3a^3b^4c^4f^2h^3j + 3a^2b^5c^2e^3f^2m^2 + 3a^2b^3c^4e^3f^2m + 18a^2b^4c^3d^3f^2m^2 + 15a^4b^3c^3d^*g^21^3 + 12a^2b^2c^5d^3f^2m - 9a^3b^4c^4e^2h^2j^3 - 9a^3b^4c^4e^*f^31^2 - 9a^2b^3c^5e^3g^2k + 3a^3b^4c^4f^*g^3j^2 + 3a^2b^5c^2d^*g^21^3 + 3a^2b^3c^5e^2f^31 - 3a^2b^4c^3e^3g^*k^2 + 3a^2b^3c^4e^3g^2k + 18a^2c^6d^2e^*g^*h^2 - 18a^2c^6d^2e^2g^2h
\end{aligned}$$

$$\begin{aligned}
& - 12a^4b^2c^2d^2f^2l^4 - 9a^2b^2c^4d^2g^4k + 9a^3b^3c^4d^2g^3k + \\
& 6a^3b^3c^2d^2g^4k^4 + 6a^3b^3c^4d^2g^3k^3 - 6a^3b^3c^4d^3g^3k^2 + 6a^2b^3c^5d^3g^3k^2 - 6a^2b^3c^5d^2g^3k - 6a^2b^3c^4d^3g^3k^2 - 6a^2b^3c^5d^3g^2k - 3a^3b^3c^2e^2f^2k^4 + 3a^3b^2c^3e^2g^2j^4 + 3a^3b^2c^3d^2h^2j^4 + 3a^2b^5c^2d^2g^2k^3 + 15a^2b^3c^5d^3e^2l^2 - 15a^2b^3c^4d^3e^2l^2 - 9a^3b^3c^4d^2g^2j^3 - 9a^2b^3c^5e^3f^2j^2 - 3a^2b^4c^3d^2g^2j^3 + 3a^2b^3c^4e^3f^2j^2 - 3a^2b^2c^5e^3f^2j + 12a^2b^2c^5d^3f^2j^2 - 9a^2b^3c^5d^2e^3k^2 + 3a^2b^3c^5e^2g^3h + 3a^2b^3c^4d^2e^3k^2 - 9a^2b^3c^5d^2g^2h^3 - 3a^2b^3c^3d^2e^2j^4 + 3a^2b^3c^5e^2f^3h^2 + 3a^2b^3c^4d^2g^2h^3 + 3a^2b^2c^4d^2f^2h^4 - 9a^7c^2k^2l^2m^2 - 6a^6c^2j^2k^3m - 3a^6b^2h^2l^2m^3 + 3a^5b^3h^2l^2m^3 - 6a^6c^2g^2k^2m^3 - 6a^6c^2h^2k^3l^2 + 6a^5c^3h^3j^2m + 6a^6c^2g^2k^2l^3 - 6a^6c^2f^2k^3m^2 - 6a^5c^3h^2j^3l - 6a^5c^3g^3j^2m^2 + 6a^5c^3f^2k^3m + 3a^5b^3g^2k^2m^3 - 3a^4b^4g^2k^2m^3 + 12a^6c^2f^2j^2m^3 + 12a^4c^4f^3j^2m + 3a^5b^3e^2l^2m^3 + 3a^3b^5e^2l^2m^3 - 6a^6c^2d^2k^2m^3 - 6a^5c^3f^2j^2l^3 + 6a^5c^3d^2k^2m^3 - 6a^5c^3g^2j^3k^2 + 6a^4c^4e^3j^2m^2 - 3b^6c^2d^3j^2m - 3a^4b^4f^2j^2m^3 + 3a^3b^5f^2j^2m^3 + 6a^5c^3f^2j^2k^3 + 6a^5c^3f^2h^3m^2 - 6a^5c^3e^2j^3l^2 + 6a^4c^4g^3h^2l - 6a^4c^4f^2h^3m + 6a^4c^4e^2j^3l + 6a^3c^5d^3j^2m - 3a^4b^4d^2k^2m^3 - 3a^2b^6d^2k^2m^3 + 6a^5c^3e^2h^2m^3 - 6a^4c^4g^2h^3k - 6a^4c^4f^3h^2l^2 + 12a^5c^3e^2h^2l^3 + 12a^3c^5e^3h^2l - 3b^6c^2d^3h^2l^2 + 3b^5c^3d^3h^2l - 3a^5b^2c^2j^4m^2 + 3a^3b^5e^2h^2m^3 - 3a^2b^6e^2h^2m^3 + 6a^5c^3d^2g^2m^3 - 6a^4c^4e^2h^2k^3 - 6a^4c^4f^2h^3j^2 + 6a^4c^4e^2g^3l^2 + 6a^3c^5f^3g^2k - 6a^3c^5e^2g^3l + 6a^3c^5d^3h^2l^2 - 3b^6c^2d^3f^2m^2 - 3b^4c^4d^3f^2m + 6a^4c^4d^2g^2l^3 + 6a^4c^4e^2h^2j^3 - 6a^4c^4d^2h^3k^2 - 6a^3c^5f^2g^3j - 6a^3c^5e^3g^2k^2 + 6a^3c^5d^3f^2m^2 + 6a^3c^5d^2h^3k - 6a^2c^6d^3f^2m + 4a^5b^2c^2h^3m^3 + 3b^5c^3d^3g^2k^2 - 3b^4c^4d^3g^2k - 3a^2b^6d^2g^2m^3 + a^5b^2c^2j^3k^3 + 12a^4c^4d^2g^2k^3 + 12a^2c^6d^3g^2k + 6a^5b^2c^2h^3l^3 + 5a^5b^2c^2g^3m^3 - 5a^4b^3c^2g^3m^3 + 3b^5c^3d^3e^2l^2 + 3b^3c^5d^3e^2l - 3a^5b^2c^2h^2l^4 + a^4b^3c^2h^3l^3 + 12a^5b^2c^2f^2m^4 - 6a^3c^5d^2g^2j^3 + 6a^3c^5d^2f^3k^2 + 6a^3b^4c^2f^3m^3 + 6a^2c^6e^3f^2j - 6a^2c^6d^2f^3k - 3b^4c^4d^3f^2j^2 + 3b^3c^5d^3f^2j - 3a^2b^2c^4f^5m - 7a^4b^3c^3e^3m^3 - 7a^2b^5c^2e^3m^3 + 6a^4b^3c^3g^3k^3 - 6a^3c^5e^2g^3h^2 - 6a^2c^6d^3f^2j^2 + 5a^4b^3c^3f^3l^3 + a^4b^3c^3h^3j^3 + a^2b^5c^2f^3l^3 + 6a^3c^5d^2g^2h^3 - 6a^2c^6e^2f^3h - 3a^3b^4c^2e^2l^4 - 3a^2b^4c^3e^4l^2 - 7a^3b^3c^4d^3l^3 - 7a^2b^5c^2d^3l^3 + 6a^3b^3c^4f^3j^3 + 5a^3b^3c^4e^3k^3 + 3b^3c^5d^3e^2h^2 - 3b^2c^6d^3e^2h + a^5b^2c^2e^3k^3 + 12a^2b^2c^5d^4k^2 - 6a^2c^6d^2f^3g^2 + 6a^2b^4c^3d^3k^3 - 3a^4b^2c^2d^2k^5 + a^3b^3c^4g^3h^3 + 5a^2b^3c^5d^3j^3 - 5a^2b^3c^4d^3j^3 - 9a^2c^7d^2e^2f^2 + 6a^2b^3c^5e^3h^3 - 3a^2b^2c^5e^4h^2 + a^2b^3c^5f^3g^3 + a^2b^3c^4e^3h^3 + 4a^2b^2c^5d^3h^3 - 3a^2b^2c^5d^2g^4 - 6a^7c^2j^3l^3m^2 + 6a^7c^2h^2l^2m^3 + 6a^6c^2j^2k^4l + 6a^6c^2h^2k^4m - 6a^5c^3h^4k^2m + 3a^6b^2h^2k^2m^4 + 3a^6b^2g^2l^2m^4 - 3b^5c^3d^4l^2m - 6a^6c^2g^2j^2l^4 - 6a^6c^2f^2k^2l^4 - 6a^6c^2d^2l^4m + 6a^5c^3h^2j^4k + 6a^5c^3g^2j^4l + 6a^5c^3f^2j^4m - 6a^4c^4g^4j^2l + 6a^3c^5e^4k^2m + 6a^5b^3f^2j^2m^4 - 6a^4c^4g^4h^2m + 3b^7c^2d^3j^2m^2 - 3a^5b^3e^2k^2m^4 - 3a^5b^3d^2l^2m^4 + 3b^4c^4d^4j^2l - 3a^5b^3g^2h^2m^4 - 6a^5c^3e^2j^2k^4 + 6a^2c^6d^4j^2l + 3b^4c^4d^4h^2m + 6a^6c^2e^2g^2m^4 + 6a^6c^2d^2h^2m^4 + 6a^6b^3c^2j^3m^3 - 6a^5c^3f^2h^2k^4 + 6a^4c^4g^2h^4j + 6a^4c^4f^2h^4k + 6a^4c^4e^2h^4l + 6a^4c^4d^2h^4m - 6a^3c^5f^4h^2k - 6a^3c^5f^4g^2l + 6a^2c^6d^4h^2m + 3a^5b^2c^2j^5m + a^6b^3c^2k^3l^3 + 3a^4b^4e^2g^2m^4 + 3a^4b^4d^2h^2m^4 + 6b^3c^5d^4g^2k - 3b^3c^5d^4h^2j - 3b^3c^5d^4f^2l - 3b^3c^5d^4e^2m + 3a^2b^7d^2g^2m^3 + 6a^5c^3d^2f^2l^4 - 6a^4c^4e^2g^2j^4 - 6a^4c^4d^2h^2j^4 + 6a^3c^5e^2g^4j + 6a^3c^5d^2g^4k - 6a^2c^6e^4g^2j - 6a^2c^6e^4f^2k - 6a^2c^6d^2e^4m + 3a^4b^3c^3h^5l + 6a^3c^5f^2
\end{aligned}$$

$$\begin{aligned}
&g^4h - 3a^3b^5d^*e^*m^4 + 3b^2c^6d^4e^*j + 3a^5b^*c^2g^*k^5 + 3a^3b^* \\
& *c^4g^5k + 8a^*b^6c^*d^3m^3 + 3b^2c^6d^4f^*h - 3a^5b^2c^*e^*l^5 - 3a^* \\
& *b^2c^5e^5l - 6a^3c^5d^*f^*h^4 + 6a^2c^6e^*f^4g + 6a^2c^6d^*f^4h \\
& + 3a^4b^*c^3f^*j^5 + 3a^2b^*c^5f^5j + 6a^*c^7d^3e^2h - 6a^*c^7d^2* \\
& e^3g + 3a^3b^*c^4e^*h^5 + 6a^*b^*c^6d^3g^3 + 3a^2b^*c^5d^*g^5 + a^*b^*c^6 \\
& *e^3f^3 - 9a^6c^2j^2k^2l^2 - 9a^6c^2h^2k^2m^2 - 9a^6c^2g^2l^2 \\
& 2m^2 - 18a^5c^3f^2j^2m^2 - 9a^5c^3h^2j^2k^2 - 9a^5c^3g^2j^2* \\
& l^2 - 9a^5c^3f^2k^2l^2 - 9a^5c^3e^2k^2m^2 - 9a^5c^3d^2l^2m^2 \\
& - 9a^5c^3g^2h^2m^2 - 9a^4c^4e^2j^2k^2 - 9a^4c^4d^2j^2l^2 - \\
& 18a^4c^4e^2h^2l^2 - 9a^4c^4g^2h^2j^2 - 9a^4c^4f^2h^2k^2 - 9a^4c^4f^2g^2l^2 \\
& - 9a^4c^4e^2g^2m^2 - 9a^4c^4d^2h^2m^2 - 18a^3c^5d^2g^2k^2 - 9a^3c^5e^2g^2j^2 \\
& - 9a^3c^5e^2f^2k^2 - 9a^3c^5d^2h^2j^2 - 9a^3c^5d^2f^2l^2 - 9a^3c^5d^2e^2m^2 - 3a^4b^2* \\
& c^2h^4l^2 - 18a^4b^2c^2f^3m^3 + 12a^3b^2c^3f^4m^2 - 9a^3c^5f^2g^2h^2 \\
& + 4a^4b^2c^2g^3l^3 - 3a^2b^4c^2f^4m^2 + 14a^3b^3c^2 \\
& *e^3m^3 - 5a^3b^3c^2f^3l^3 - 3a^4b^2c^2g^2k^4 - 3a^3b^2c^3g^4k^2 \\
& + a^3b^3c^2g^3k^3 - 20a^2b^4c^2d^3m^3 - 18a^3b^2c^3e^3l^3 \\
& + 16a^3b^2c^3d^3m^3 + 12a^4b^2c^2e^2l^4 + 12a^2b^2c^4e^4l^2 \\
& - 9a^2c^6d^2e^2j^2 + 6a^2b^4c^2e^3l^3 + 4a^3b^2c^3f^3k^3 \\
& + 14a^2b^3c^3d^3l^3 - 9a^2c^6e^2f^2g^2 - 9a^2c^6d^2f^2h^2 - \\
& 5a^2b^3c^3e^3k^3 - 3a^3b^2c^3f^2j^4 - 3a^2b^2c^4f^4j^2 + a^2 \\
& *b^3c^3f^3j^3 - 18a^2b^2c^4d^3k^3 + 12a^3b^2c^3d^2k^4 + 4a^2b^2c^4e^3j^3 \\
& - 3a^2b^4c^2d^2k^4 - 3a^2b^2c^4e^2h^4 + 6a^7c^*k \\
& *l^4m - 3a^7b^*k^*l^*m^4 - 6a^7c^*h^*k^*m^4 - 6a^7c^*g^*l^*m^4 + 3a^6b^*c^*h^* \\
& l^5 - 6a^*c^7d^4e^*j - 6a^*c^7d^4f^*h - 3b^*c^7d^4e^*f + 6a^*c^7d^4e^*f \\
& + 3a^*b^*c^6e^5h - a^5b^2c^*j^3l^3 - a^3b^4c^*g^3l^3 - a^*b^4c^3e^3* \\
& j^3 - a^*b^2c^5e^3g^3 + 3a^7b^*j^*m^5 + 6a^7c^*f^*m^5 + 6a^*c^7d^5k + 3 \\
& *b^*c^7d^5g - 3a^6c^2j^4m^2 - 3a^6b^2j^2m^4 + 2a^6c^2j^3l^3 + \\
& a^5b^3j^3m^3 - 2a^6c^2h^3m^3 - 3a^6c^2h^2l^4 - 3a^5c^3h^4l^2 \\
& - a^*b^6c^*e^3l^3 + 20a^5c^3f^3m^3 - 15a^6c^2f^2m^4 - 15a^4c^4f^4m^2 \\
& + 2a^5c^3h^3k^3 - 2a^5c^3g^3l^3 + a^3b^5g^3m^3 - 3a^5c^3g^2k^4 \\
& - 3a^4c^4g^4k^2 - 3a^4b^4f^2m^4 + 20a^4c^4e^3l^3 - 15 \\
& *a^5c^3e^2l^4 - 15a^3c^5e^4l^2 + 2a^4c^4g^3j^3 - 2a^4c^4f^3k^3 \\
& - 2a^4c^4d^3m^3 - 3b^4c^4d^4k^2 - 3a^4c^4f^2j^4 - 3a^3c^5f^4j^2 \\
& + 20a^3c^5d^3k^3 - 15a^4c^4d^2k^4 - 15a^2c^6d^4k^2 - 2a^3c^5e^3j^3 \\
& + b^5c^3d^3j^3 + 2a^3c^5f^3h^3 - 3a^3c^5e^2h^4 - 3a^2c^6e^4h^2 \\
& - 3b^2c^6d^4g^2 + 2a^2c^6e^3g^3 - 2a^2c^6d^3h^3 + b^3c^5d^3g^3 \\
& - 3a^2c^6d^2g^4 - a^4b^2c^2h^3k^3 - a^3b^2c^3g^3j^3 - a^2b^4c^2f^3k^3 \\
& - a^2b^2c^4f^3h^3 + 2a^7c^*k^3m^3 + a^7b^*l^3m^3 - 3a^7c^*j^2m^4 \\
& + 6a^3c^5f^5m - 3a^6b^2f^*m^5 + 6a^6c^2e^*l^5 + 6a^2c^6e^5l + b^7c^*d^3l^3 \\
& + a^*b^7e^3m^3 - 3b^2c^6d^5k + 6a^5c^3d^*k^5 - 3a^*c^7d^4g^2 + 2a^*c^7d^3f^3 \\
& + b^*c^7d^3e^3 - a^6b^2k^3m^3 - a^4b^4h^3m^3 - a^2b^6f^3m^3 - b^6c^2d^3k^3 \\
& - b^4c^4d^3h^3 - b^2c^6d^3f^3 - b^8d^3m^3 - a^6c^2k^6 - a^5c^3j^6 - a^4c^4h^6 \\
& - a^3c^5g^6 - a^2c^6f^6 - a^7c^*l^6 - a^*c^7e^6 - a^8m^6 - c^8d^6, z, k1) * (root(34992a^4b^2c^8z^6 - 8748a^3b^4c^7z^6 + 729a^2b^6c^6z^6 - 46656a^5c^9z^6 + 34992a^4b^3c^6m^*z^5 - 8748a^3b^5c^5m^*z^5 + 729a^2b^7c^4m^*z^5 - 34992a^4b^2c^7j^*z^5 + 8748a^3b^4c^6j^*z^5 - 729a^2b^6c^5j^*z^5 - 46656a^5b^*c^7m^*z^5 + 46656a^5c^8j^*z^5 + 34992a^5b^*c^6j^*m^*z^4 - 11664a^5b^*c^6k^*l^*z^4 + 3888a^4b^*c^7f^*j^*z^4 + 3888a^4b^*c^7e^*k^*z^4 + 3888a^4b^*c^7d^*l^*z^4 + 3888a^4b^*c^7g^*h^*z^4 + 3888a^3b^*c^8d^*e^*z^4 + 243a^*b^5c^6d^*e^*z^4 - 25272a^4b^3c^5j^*m^*z^4 + 9720a^4b^3c^5k^*l^*z^4 + 6075a^3b^5c^4j^*m^*z^4 - 2673a^3b^5c^4k^*l^*z^4 - 486a^2b^7c^3j^*m^*z^4 + 243a^2b^7c^3k^*l^*z^4 - 7776a^4b^2c^6h^*k^*z^4 - 7776a^4b^2c^6g^*l^*z^4 - 7776a^4b^2c^6f^*m^*z^4 + 2430a^3b^4c^5h^*k^*z^4 + 2430a^3b^4c^5g^*l^*z^4 + 2430a^3b^4c^5f^*m^*z^4 - 243a^2b^6c^4h^*k^*z^4 - 243a^2b^6c^4g^*l^*z^4 - 243a^2b^6c^4f^*m^*z^4 - 1944a^3b^3c^6f^*j^*z^4 - 1944a^3b^3c^6e^*k^*z^4 - 1944a^3b^3c^6d^*l^*z^4 + 243a^2b^5c^5f^*j^*z^4 + 243a^2b^5c^5e^*k^*z^4 + 243a^
\end{aligned}$$

$$\begin{aligned}
& 2*b^5*c^5*d*l*z^4 - 1944*a^3*b^3*c^6*g*h*z^4 + 243*a^2*b^5*c^5*g*h*z^4 + 3888*a^3*b^2*c^7*d*h*z^4 - 486*a^2*b^4*c^6*e*g*z^4 \\
& - 486*a^2*b^4*c^6*d*h*z^4 - 1944*a^2*b^3*c^7*d*e*z^4 + 7776*a^5*c^7*h*k*z^4 + 7776*a^5*c^7*g*l*z^4 + 7776*a^5*c^7*f*m*z^4 - 7776*a^4*c^8*e*g*z^4 - 77 \\
& 76*a^4*c^8*d*h*z^4 - 13608*a^5*b^2*c^5*m^2*z^4 + 11421*a^4*b^4*c^4*m^2*z^4 - 2916*a^3*b^6*c^3*m^2*z^4 + 243*a^2*b^8*c^2*m^2*z^4 + 13608*a^4*b^2*c^6*j^ \\
& 2*z^4 - 3159*a^3*b^4*c^5*j^2*z^4 + 243*a^2*b^6*c^4*j^2*z^4 + 1944*a^3*b^2*c^7*f^2*z^4 - 243*a^2*b^4*c^6*f^2*z^4 - 3888*a^6*c^6*m^2*z^4 - 19440*a^5*c^7 \\
& *j^2*z^4 - 3888*a^4*c^8*f^2*z^4 + 3078*a^4*b^4*c^3*k*l*m*z^3 - 2592*a^5*b^2*c^4*k*l*m*z^3 - 891*a^3*b^6*c^2*k*l*m*z^3 - 4536*a^4*b^3*c^4*j*k*l*z^3 + 1 \\
& 053*a^3*b^5*c^3*j*k*l*z^3 - 81*a^2*b^7*c^2*j*k*l*z^3 - 2592*a^4*b^3*c^4*h*k*m*z^3 - 2592*a^4*b^3*c^4*g*l*m*z^3 + 810*a^3*b^5*c^3*h*k*m*z^3 + 810*a^3*b^ \\
& ^5*c^3*g*l*m*z^3 - 81*a^2*b^7*c^2*h*k*m*z^3 - 81*a^2*b^7*c^2*g*l*m*z^3 + 7776*a^4*b^2*c^5*f*j*m*z^3 + 3888*a^4*b^2*c^5*h*j*k*z^3 + 3888*a^4*b^2*c^5*g* \\
& j*l*z^3 - 3888*a^4*b^2*c^5*f*k*l*z^3 - 2916*a^3*b^4*c^4*f*j*m*z^3 + 1458*a^3*b^4*c^4*f*k*l*z^3 - 972*a^3*b^4*c^4*h*j*k*z^3 - 972*a^3*b^4*c^4*g*j*l*z^3 \\
& - 486*a^3*b^4*c^4*e*k*m*z^3 - 486*a^3*b^4*c^4*d*l*m*z^3 + 324*a^2*b^6*c^3*f*j*m*z^3 - 162*a^2*b^6*c^3*f*k*l*z^3 + 81*a^2*b^6*c^3*h*j*k*z^3 + 81*a^2*b^ \\
& ^6*c^3*g*j*l*z^3 + 81*a^2*b^6*c^3*e*k*m*z^3 + 81*a^2*b^6*c^3*d*l*m*z^3 - 486*a^3*b^4*c^4*g*h*m*z^3 + 81*a^2*b^6*c^3*g*h*m*z^3 + 648*a^3*b^3*c^5*e*j*k* \\
& z^3 + 648*a^3*b^3*c^5*d*j*l*z^3 - 81*a^2*b^5*c^4*e*j*k*z^3 - 81*a^2*b^5*c^4*d*j*l*z^3 + 2592*a^3*b^3*c^5*e*g*m*z^3 + 2592*a^3*b^3*c^5*d*h*m*z^3 - 1296 \\
& *a^3*b^3*c^5*f*h*k*z^3 - 1296*a^3*b^3*c^5*f*g*l*z^3 - 1296*a^3*b^3*c^5*e*h* \\
& l*z^3 + 648*a^3*b^3*c^5*g*h*j*z^3 - 324*a^2*b^5*c^4*e*g*m*z^3 - 324*a^2*b^5*c^4*d*h*m*z^3 + 162*a^2*b^5*c^4*f*h*k*z^3 + 162*a^2*b^5*c^4*f*g*l*z^3 + 16 \\
& 2*a^2*b^5*c^4*e*h*l*z^3 - 81*a^2*b^5*c^4*g*h*j*z^3 + 5184*a^3*b^2*c^6*d*e*m \\
& *z^3 - 2592*a^3*b^2*c^6*e*g*j*z^3 - 2592*a^3*b^2*c^6*d*h*j*z^3 - 2106*a^2*b^ \\
& ^4*c^5*d*e*m*z^3 + 1296*a^3*b^2*c^6*e*f*k*z^3 + 1296*a^3*b^2*c^6*d*g*k*z^3 \\
& + 1296*a^3*b^2*c^6*d*f*l*z^3 + 324*a^2*b^4*c^5*e*g*j*z^3 + 324*a^2*b^4*c^5*d \\
& h*j*z^3 - 162*a^2*b^4*c^5*e*f*k*z^3 - 162*a^2*b^4*c^5*d*g*k*z^3 - 162*a^2 \\
& *b^4*c^5*d*f*l*z^3 + 1296*a^3*b^2*c^6*f*g*h*z^3 - 162*a^2*b^4*c^5*f*g*h*z^3 \\
& + 1944*a^2*b^3*c^6*d*e*j*z^3 - 1296*a^2*b^2*c^7*d*e*f*z^3 + 81*a^2*b^8*c*k \\
& *l*m*z^3 + 6480*a^5*b*c^5*j*k*l*z^3 + 2592*a^5*b*c^5*h*k*m*z^3 + 2592*a^5*b \\
& *c^5*g*l*m*z^3 - 1296*a^4*b*c^6*e*j*k*z^3 - 1296*a^4*b*c^6*d*j*l*z^3 - 5184 \\
& *a^4*b*c^6*e*g*m*z^3 - 5184*a^4*b*c^6*d*h*m*z^3 + 2592*a^4*b*c^6*f*h*k*z^3 \\
& + 2592*a^4*b*c^6*f*g*l*z^3 + 2592*a^4*b*c^6*e*h*l*z^3 - 1296*a^4*b*c^6*g*h* \\
& j*z^3 + 243*a*b^6*c^4*d*e*m*z^3 - 3888*a^3*b*c^7*d*e*j*z^3 - 243*a*b^5*c^5*d \\
& e*j*z^3 + 162*a*b^4*c^6*d*e*f*z^3 - 2592*a^6*c^5*k*l*m*z^3 - 5184*a^5*c^6 \\
& *h*j*k*z^3 - 5184*a^5*c^6*g*j*l*z^3 - 5184*a^5*c^6*f*j*m*z^3 + 2592*a^5*c^6 \\
& *f*k*l*z^3 + 2592*a^5*c^6*e*k*m*z^3 + 2592*a^5*c^6*d*l*m*z^3 + 2592*a^5*c^6 \\
& *g*h*m*z^3 + 5184*a^4*c^7*e*g*j*z^3 + 5184*a^4*c^7*d*h*j*z^3 - 2592*a^4*c^7 \\
& *e*f*k*z^3 - 2592*a^4*c^7*d*g*k*z^3 - 2592*a^4*c^7*d*f*l*z^3 - 2592*a^4*c^7 \\
& *d*e*m*z^3 - 2592*a^4*c^7*f*g*h*z^3 + 2592*a^3*c^8*d*e*f*z^3 + 6480*a^5*b^2 \\
& *c^4*j*m^2*z^3 + 6480*a^4*b^3*c^4*j^2*m*z^3 - 5022*a^4*b^4*c^3*j*m^2*z^3 - \\
& 1296*a^3*b^5*c^3*j^2*m*z^3 + 1134*a^3*b^6*c^2*j*m^2*z^3 + 81*a^2*b^7*c^2*j^ \\
& 2*m*z^3 + 2592*a^4*b^3*c^4*h*l^2*z^3 - 1944*a^4*b^2*c^5*h^2*l*z^3 - 810*a^3 \\
& *b^5*c^3*h*l^2*z^3 + 729*a^3*b^4*c^4*h^2*l*z^3 + 81*a^2*b^7*c^2*h*l^2*z^3 - \\
& 81*a^2*b^6*c^3*h^2*l*z^3 - 5184*a^4*b^3*c^4*f*m^2*z^3 + 1620*a^3*b^5*c^3*f \\
& *m^2*z^3 + 1296*a^3*b^3*c^5*f^2*m*z^3 - 162*a^2*b^7*c^2*f*m^2*z^3 - 162*a^2 \\
& *b^5*c^4*f^2*m*z^3 - 1944*a^4*b^2*c^5*g*k^2*z^3 + 729*a^3*b^4*c^4*g*k^2*z^3 \\
& - 648*a^3*b^3*c^5*g^2*k*z^3 - 81*a^2*b^6*c^3*g*k^2*z^3 + 81*a^2*b^5*c^4*g^ \\
& 2*k*z^3 - 1944*a^4*b^2*c^5*e*l^2*z^3 + 729*a^3*b^4*c^4*e*l^2*z^3 + 648*a^3*b^ \\
& ^2*c^6*e^2*l*z^3 - 81*a^2*b^6*c^3*e*l^2*z^3 - 81*a^2*b^4*c^5*e^2*l*z^3 + 1 \\
& 296*a^3*b^3*c^5*f*j^2*z^3 - 1296*a^3*b^2*c^6*f^2*j*z^3 - 162*a^2*b^5*c^4*f* \\
& j^2*z^3 + 162*a^2*b^4*c^5*f^2*j*z^3 - 648*a^3*b^3*c^5*d*k^2*z^3 + 81*a^2*b^ \\
& 5*c^4*d*k^2*z^3 + 648*a^3*b^2*c^6*e*h^2*z^3 - 81*a^2*b^4*c^5*e*h^2*z^3 - 64 \\
& 8*a^2*b^2*c^7*d^2*g*z^3 - 10368*a^5*b*c^5*j^2*m*z^3 - 81*a^2*b^8*c*j*m^2*z^ \\
& 3 - 2592*a^5*b*c^5*h*l^2*z^3 + 5184*a^5*b*c^5*f*m^2*z^3 - 2592*a^4*b*c^6*f^ \\
& 2*m*z^3 + 1296*a^4*b*c^6*g^2*k*z^3 - 2592*a^4*b*c^6*f*j^2*z^3 + 1296*a^4*b*
\end{aligned}$$

$$\begin{aligned}
& c^6*d*k^2*z^3 + 81*a*b^4*c^6*d^2*g*z^3 + 2592*a^6*c^5*j*m^2*z^3 + 1296*a^5* \\
& c^6*h^2*l*z^3 + 1296*a^5*c^6*g*k^2*z^3 + 1296*a^5*c^6*e*l^2*z^3 - 1296*a^4* \\
& c^7*e^2*l*z^3 + 2592*a^4*c^7*f^2*j*z^3 - 2592*a^6*b*c^4*m^3*z^3 - 324*a^3*b \\
& ^7*c*m^3*z^3 - 27*a^2*b^8*c*l^3*z^3 - 1296*a^4*c^7*e*h^2*z^3 - 864*a^5*b*c^ \\
& 5*k^3*z^3 + 1296*a^3*c^8*d^2*g*z^3 + 432*a^4*b*c^6*h^3*z^3 + 27*a*b^4*c^6*e \\
& ^3*z^3 - 432*a^2*b*c^8*d^3*z^3 + 216*a*b^3*c^7*d^3*z^3 + 1134*a^4*b^5*c^2*m \\
& ^3*z^3 - 432*a^5*b^3*c^3*m^3*z^3 + 1512*a^5*b^2*c^4*l^3*z^3 - 1107*a^4*b^4* \\
& c^3*l^3*z^3 + 297*a^3*b^6*c^2*l^3*z^3 + 864*a^4*b^3*c^4*k^3*z^3 - 270*a^3*b \\
& ^5*c^3*k^3*z^3 + 27*a^2*b^7*c^2*k^3*z^3 - 2592*a^4*b^2*c^5*j^3*z^3 + 486*a^ \\
& 3*b^4*c^4*j^3*z^3 - 27*a^2*b^6*c^3*j^3*z^3 - 216*a^3*b^3*c^5*h^3*z^3 + 27*a \\
& ^2*b^5*c^4*h^3*z^3 + 216*a^3*b^2*c^6*g^3*z^3 - 27*a^2*b^4*c^5*g^3*z^3 - 216 \\
& *a^2*b^2*c^7*e^3*z^3 - 432*a^6*c^5*l^3*z^3 + 27*a^2*b^9*m^3*z^3 + 4320*a^5* \\
& c^6*j^3*z^3 - 432*a^4*c^7*g^3*z^3 + 432*a^3*c^8*e^3*z^3 - 27*b^5*c^6*d^3*z^ \\
& 3 + 81*a^3*b^6*c*j*k*l*m*z^2 - 1296*a^5*b*c^4*h*j*k*m*z^2 - 1296*a^5*b*c^4* \\
& g*j*l*m*z^2 + 1296*a^5*b*c^4*f*k*l*m*z^2 - 81*a^2*b^7*c*f*k*l*m*z^2 + 2592* \\
& a^4*b*c^5*e*g*j*m*z^2 + 2592*a^4*b*c^5*d*h*j*m*z^2 - 1296*a^4*b*c^5*f*h*j*k \\
& *z^2 - 1296*a^4*b*c^5*f*g*j*l*z^2 - 1296*a^4*b*c^5*e*f*k*m*z^2 - 1296*a^4*b \\
& *c^5*d*f*l*m*z^2 - 648*a^4*b*c^5*e*h*j*l*z^2 - 648*a^4*b*c^5*e*g*k*l*z^2 - \\
& 648*a^4*b*c^5*d*h*k*l*z^2 - 648*a^4*b*c^5*d*g*k*m*z^2 - 1296*a^4*b*c^5*f*g* \\
& h*m*z^2 - 162*a*b^6*c^3*d*e*j*m*z^2 + 81*a*b^6*c^3*d*e*k*l*z^2 + 1296*a^3*b \\
& *c^6*d*e*f*m*z^2 - 648*a^3*b*c^6*d*f*g*k*z^2 - 648*a^3*b*c^6*d*e*h*k*z^2 - \\
& 648*a^3*b*c^6*d*e*g*l*z^2 - 81*a*b^5*c^4*d*e*h*k*z^2 - 81*a*b^5*c^4*d*e*g*l \\
& *z^2 + 81*a*b^5*c^4*d*e*f*m*z^2 - 81*a*b^4*c^5*d*e*f*j*z^2 + 81*a*b^4*c^5*d \\
& *e*g*h*z^2 + 648*a^5*b^2*c^3*j*k*l*m*z^2 - 567*a^4*b^4*c^2*j*k*l*m*z^2 - 19 \\
& 44*a^4*b^3*c^3*f*k*l*m*z^2 + 729*a^3*b^5*c^2*f*k*l*m*z^2 + 648*a^4*b^3*c^3* \\
& h*j*k*m*z^2 + 648*a^4*b^3*c^3*g*j*l*m*z^2 - 81*a^3*b^5*c^2*h*j*k*m*z^2 - 81 \\
& *a^3*b^5*c^2*g*j*l*m*z^2 + 1944*a^4*b^2*c^4*f*j*k*l*z^2 - 729*a^3*b^4*c^3*f \\
& *j*k*l*z^2 + 648*a^4*b^2*c^4*e*j*k*m*z^2 + 648*a^4*b^2*c^4*d*j*l*m*z^2 - 81 \\
& *a^3*b^4*c^3*e*j*k*m*z^2 - 81*a^3*b^4*c^3*d*j*l*m*z^2 + 81*a^2*b^6*c^2*f*j* \\
& k*l*z^2 + 1296*a^4*b^2*c^4*f*h*k*m*z^2 + 1296*a^4*b^2*c^4*f*g*l*m*z^2 + 648 \\
& *a^4*b^2*c^4*g*h*j*m*z^2 - 648*a^3*b^4*c^3*f*h*k*m*z^2 - 648*a^3*b^4*c^3*f* \\
& g*l*m*z^2 - 324*a^4*b^2*c^4*g*h*k*l*z^2 - 324*a^4*b^2*c^4*e*h*l*m*z^2 + 81* \\
& a^3*b^4*c^3*g*h*k*l*z^2 - 81*a^3*b^4*c^3*g*h*j*m*z^2 + 81*a^2*b^6*c^2*f*h*k \\
& *m*z^2 + 81*a^2*b^6*c^2*f*g*l*m*z^2 - 1296*a^3*b^3*c^4*e*g*j*m*z^2 - 1296*a \\
& ^3*b^3*c^4*d*h*j*m*z^2 + 648*a^3*b^3*c^4*f*h*j*k*z^2 + 648*a^3*b^3*c^4*f*g* \\
& j*l*z^2 + 648*a^3*b^3*c^4*e*f*k*m*z^2 + 648*a^3*b^3*c^4*d*f*l*m*z^2 + 486*a \\
& ^3*b^3*c^4*e*g*k*l*z^2 + 486*a^3*b^3*c^4*d*h*k*l*z^2 + 162*a^3*b^3*c^4*e*h* \\
& j*l*z^2 + 162*a^3*b^3*c^4*d*g*k*m*z^2 + 162*a^2*b^5*c^3*e*g*j*m*z^2 + 162*a \\
& ^2*b^5*c^3*d*h*j*m*z^2 - 81*a^2*b^5*c^3*f*h*j*k*z^2 - 81*a^2*b^5*c^3*f*g*j* \\
& l*z^2 - 81*a^2*b^5*c^3*e*g*k*l*z^2 - 81*a^2*b^5*c^3*e*f*k*m*z^2 - 81*a^2*b^ \\
& 5*c^3*d*h*k*l*z^2 - 81*a^2*b^5*c^3*d*f*l*m*z^2 + 648*a^3*b^3*c^4*f*g*h*m*z^ \\
& 2 - 81*a^2*b^5*c^3*f*g*h*m*z^2 - 3240*a^3*b^2*c^5*d*e*j*m*z^2 + 1620*a^3*b^ \\
& 2*c^5*d*e*k*l*z^2 + 1377*a^2*b^4*c^4*d*e*j*m*z^2 - 648*a^3*b^2*c^5*e*f*j*k* \\
& z^2 - 648*a^3*b^2*c^5*d*f*j*l*z^2 - 648*a^2*b^4*c^4*d*e*k*l*z^2 - 324*a^3*b \\
& ^2*c^5*d*g*j*k*z^2 + 81*a^2*b^4*c^4*e*f*j*k*z^2 + 81*a^2*b^4*c^4*d*f*j*l*z^ \\
& 2 + 972*a^3*b^2*c^5*e*f*h*l*z^2 - 648*a^3*b^2*c^5*f*g*h*j*z^2 - 324*a^3*b^2 \\
& *c^5*e*g*h*k*z^2 - 324*a^3*b^2*c^5*d*g*h*l*z^2 - 162*a^2*b^4*c^4*e*f*h*l*z^ \\
& 2 + 81*a^2*b^4*c^4*f*g*h*j*z^2 + 81*a^2*b^4*c^4*e*g*h*k*z^2 + 81*a^2*b^4*c^ \\
& 4*d*g*h*l*z^2 - 648*a^2*b^3*c^5*d*e*f*m*z^2 + 486*a^2*b^3*c^5*d*e*h*k*z^2 + \\
& 486*a^2*b^3*c^5*d*e*g*l*z^2 + 162*a^2*b^3*c^5*d*f*g*k*z^2 + 648*a^2*b^2*c^ \\
& 6*d*e*f*j*z^2 - 324*a^2*b^2*c^6*d*e*g*h*z^2 - 1296*a^6*b*c^3*k*l*m^2*z^2 - \\
& 81*a^4*b^5*c*k*l*m^2*z^2 - 1296*a^5*b*c^4*j^2*k*l*z^2 - 324*a^5*b*c^4*h^2*l \\
& *m*z^2 + 324*a^5*b*c^4*h*k^2*l*z^2 - 324*a^5*b*c^4*g*k^2*m*z^2 + 972*a^5*b* \\
& c^4*h*j*l^2*z^2 + 324*a^5*b*c^4*g*k*l^2*z^2 - 324*a^5*b*c^4*e*l^2*m*z^2 - 3 \\
& 24*a^4*b*c^5*e^2*l*m*z^2 - 1944*a^5*b*c^4*f*j*m^2*z^2 + 1296*a^5*b*c^4*e*k* \\
& m^2*z^2 + 1296*a^5*b*c^4*d*l*m^2*z^2 + 648*a^4*b*c^5*f^2*j*m*z^2 + 81*a^2*b \\
& ^7*c*f*j*m^2*z^2 + 1296*a^5*b*c^4*g*h*m^2*z^2 - 324*a^4*b*c^5*g^2*j*k*z^2 + \\
& 324*a^4*b*c^5*g^2*h*l*z^2 + 972*a^4*b*c^5*f*h^2*l*z^2 + 324*a^4*b*c^5*g*h^ \\
& 2*k*z^2 - 324*a^4*b*c^5*e*h^2*m*z^2 - 324*a^4*b*c^5*d*j*k^2*z^2 - 324*a^3*b
\end{aligned}$$

$$\begin{aligned}
& *c^6*d^2*j*k*z^2 + 972*a^4*b*c^5*f*g*k^2*z^2 + 972*a^3*b*c^6*d^2*g*m*z^2 + \\
& 324*a^4*b*c^5*e*h*k^2*z^2 + 324*a^3*b*c^6*d^2*h*l*z^2 + 81*a*b^5*c^4*d^2*g* \\
& m*z^2 + 972*a^4*b*c^5*e*f*l^2*z^2 + 324*a^4*b*c^5*d*g*l^2*z^2 - 324*a^3*b*c \\
& ^6*e^2*h*j*z^2 + 324*a^3*b*c^6*e^2*g*k*z^2 - 324*a^3*b*c^6*e^2*f*l*z^2 - 12 \\
& 96*a^4*b*c^5*d*e*m^2*z^2 + 81*a*b^7*c^2*d*e*m^2*z^2 - 324*a^3*b*c^6*d*g^2*j \\
& *z^2 - 81*a*b^4*c^5*d^2*g*j*z^2 + 81*a*b^4*c^5*d^2*e*l*z^2 + 324*a^3*b*c^6* \\
& e*g^2*h*z^2 + 81*a*b^4*c^5*d*e^2*k*z^2 + 1296*a^3*b*c^6*d*e*j^2*z^2 - 324*a \\
& ^3*b*c^6*e*f*h^2*z^2 + 324*a^3*b*c^6*d*g*h^2*z^2 + 81*a*b^5*c^4*d*e*j^2*z^2 \\
& - 324*a^2*b*c^7*d^2*f*g*z^2 + 324*a^2*b*c^7*d^2*e*h*z^2 + 81*a*b^3*c^6*d^2 \\
& *f*g*z^2 - 81*a*b^3*c^6*d^2*e*h*z^2 + 324*a^2*b*c^7*d^2*g*z^2 - 81*a*b^3*c \\
& ^6*d*e^2*g*z^2 + 1296*a^6*c^4*j*k*l*m*z^2 - 1296*a^5*c^5*f*j*k*l*z^2 - 129 \\
& 6*a^5*c^5*e*j*k*m*z^2 - 1296*a^5*c^5*d*j*l*m*z^2 - 1296*a^5*c^5*g*h*j*m*z^2 \\
& + 1296*a^5*c^5*e*h*l*m*z^2 + 1296*a^4*c^6*e*f*j*k*z^2 + 1296*a^4*c^6*d*g*j \\
& *k*z^2 + 1296*a^4*c^6*d*f*j*l*z^2 - 1296*a^4*c^6*d*e*k*l*z^2 + 1296*a^4*c^6 \\
& *d*e*j*m*z^2 + 1296*a^4*c^6*f*g*h*j*z^2 - 1296*a^4*c^6*e*f*h*l*z^2 - 1296*a \\
& ^3*c^7*d*e*f*j*z^2 + 648*a^5*b^3*c^2*k*l*m^2*z^2 + 648*a^4*b^3*c^3*j^2*k*l* \\
& z^2 + 486*a^5*b^2*c^3*h*l^2*m*z^2 - 81*a^4*b^4*c^2*h*l^2*m*z^2 + 81*a^4*b^3 \\
& *c^3*h^2*l*m*z^2 - 81*a^3*b^5*c^2*j^2*k*l*z^2 - 162*a^4*b^2*c^4*g^2*k*m*z^2 \\
& - 81*a^4*b^3*c^3*h*k^2*l*z^2 + 81*a^4*b^3*c^3*g*k^2*m*z^2 - 567*a^4*b^3*c^ \\
& 3*h*j*l^2*z^2 + 486*a^4*b^2*c^4*h^2*j*l*z^2 - 81*a^4*b^3*c^3*g*k*l^2*z^2 + \\
& 81*a^4*b^3*c^3*e*l^2*m*z^2 + 81*a^3*b^5*c^2*h*j*l^2*z^2 - 81*a^3*b^4*c^3*h^ \\
& 2*j*l*z^2 + 81*a^3*b^3*c^4*e^2*l*m*z^2 + 2430*a^4*b^3*c^3*f*j*m^2*z^2 - 226 \\
& 8*a^4*b^2*c^4*f*j^2*m*z^2 - 810*a^3*b^5*c^2*f*j*m^2*z^2 + 810*a^3*b^4*c^3*f \\
& *j^2*m*z^2 - 648*a^4*b^3*c^3*e*k*m^2*z^2 - 648*a^4*b^3*c^3*d*l*m^2*z^2 - 64 \\
& 8*a^4*b^2*c^4*h*j^2*k*z^2 - 648*a^4*b^2*c^4*g*j^2*l*z^2 - 162*a^3*b^3*c^4*f \\
& ^2*j*m*z^2 + 81*a^3*b^5*c^2*e*k*m^2*z^2 + 81*a^3*b^5*c^2*d*l*m^2*z^2 + 81*a \\
& ^3*b^4*c^3*h*j^2*k*z^2 + 81*a^3*b^4*c^3*g*j^2*l*z^2 - 81*a^2*b^6*c^2*f*j^2* \\
& m*z^2 - 648*a^4*b^3*c^3*g*h*m^2*z^2 + 486*a^4*b^2*c^4*g*j*k^2*z^2 - 486*a^4 \\
& *b^2*c^4*e*k^2*l*z^2 + 486*a^3*b^2*c^5*d^2*k*m*z^2 - 162*a^4*b^2*c^4*d*k^2* \\
& m*z^2 + 81*a^3*b^5*c^2*g*h*m^2*z^2 - 81*a^3*b^4*c^3*g*j*k^2*z^2 + 81*a^3*b^ \\
& 4*c^3*e*k^2*l*z^2 + 81*a^3*b^3*c^4*g^2*j*k*z^2 - 81*a^2*b^4*c^4*d^2*k*m*z^2 \\
& + 486*a^4*b^2*c^4*e*j*l^2*z^2 - 486*a^4*b^2*c^4*d*k*l^2*z^2 - 162*a^3*b^2*c \\
& ^5*e^2*j*l*z^2 - 81*a^3*b^4*c^3*e*j*l^2*z^2 + 81*a^3*b^4*c^3*d*k*l^2*z^2 - \\
& 81*a^3*b^3*c^4*g^2*h*l*z^2 - 1458*a^4*b^2*c^4*f*h*l^2*z^2 + 648*a^3*b^4*c^ \\
& 3*f*h*l^2*z^2 - 567*a^3*b^3*c^4*f*h^2*l*z^2 + 486*a^3*b^2*c^5*e^2*h*m*z^2 - \\
& 81*a^3*b^3*c^4*g*h^2*k*z^2 + 81*a^3*b^3*c^4*e*h^2*m*z^2 - 81*a^2*b^6*c^2*f \\
& *h*l^2*z^2 + 81*a^2*b^5*c^3*f*h^2*l*z^2 - 81*a^2*b^4*c^4*e^2*h*m*z^2 - 1296 \\
& *a^4*b^2*c^4*e*g*m^2*z^2 - 1296*a^4*b^2*c^4*d*h*m^2*z^2 + 648*a^3*b^4*c^3*e \\
& *g*m^2*z^2 + 648*a^3*b^4*c^3*d*h*m^2*z^2 + 81*a^3*b^3*c^4*d*j*k^2*z^2 - 81* \\
& a^2*b^6*c^2*e*g*m^2*z^2 - 81*a^2*b^6*c^2*d*h*m^2*z^2 + 81*a^2*b^3*c^5*d^2*j \\
& *k*z^2 - 567*a^3*b^3*c^4*f*g*k^2*z^2 - 567*a^2*b^3*c^5*d^2*g*m*z^2 + 486*a^ \\
& 3*b^2*c^5*f*g^2*k*z^2 - 486*a^3*b^2*c^5*e*g^2*l*z^2 + 486*a^3*b^2*c^5*d*g^2 \\
& *m*z^2 - 81*a^3*b^3*c^4*e*h*k^2*z^2 + 81*a^2*b^5*c^3*f*g*k^2*z^2 - 81*a^2*b \\
& ^4*c^4*f*g^2*k*z^2 + 81*a^2*b^4*c^4*e*g^2*l*z^2 - 81*a^2*b^4*c^4*d*g^2*m*z^ \\
& 2 - 81*a^2*b^3*c^5*d^2*h*l*z^2 - 567*a^3*b^3*c^4*e*f*l^2*z^2 - 486*a^3*b^2*c \\
& ^5*d*h^2*k*z^2 - 162*a^3*b^2*c^5*e*h^2*j*z^2 - 81*a^3*b^3*c^4*d*g*l^2*z^2 \\
& + 81*a^2*b^5*c^3*e*f*l^2*z^2 + 81*a^2*b^4*c^4*d*h^2*k*z^2 + 81*a^2*b^3*c^5* \\
& e^2*h*j*z^2 - 81*a^2*b^3*c^5*e^2*g*k*z^2 + 81*a^2*b^3*c^5*e^2*f*l*z^2 + 194 \\
& 4*a^3*b^3*c^4*d*e*m^2*z^2 - 729*a^2*b^5*c^3*d*e*m^2*z^2 + 648*a^3*b^2*c^5*e \\
& *g*j^2*z^2 + 648*a^3*b^2*c^5*d*h*j^2*z^2 - 81*a^2*b^4*c^4*e*g*j^2*z^2 - 81* \\
& a^2*b^4*c^4*d*h*j^2*z^2 + 486*a^3*b^2*c^5*d*f*k^2*z^2 + 486*a^2*b^2*c^6*d^2 \\
& *g*j*z^2 - 486*a^2*b^2*c^6*d^2*e*l*z^2 - 162*a^2*b^2*c^6*d^2*f*k*z^2 - 81*a \\
& ^2*b^4*c^4*d*f*k^2*z^2 + 81*a^2*b^3*c^5*d*g^2*j*z^2 - 486*a^2*b^2*c^6*d*e^2 \\
& *k*z^2 - 81*a^2*b^3*c^5*e*g^2*h*z^2 - 648*a^2*b^3*c^5*d*e*j^2*z^2 - 162*a^2 \\
& *b^2*c^6*e^2*f*h*z^2 + 81*a^2*b^3*c^5*e*f*h^2*z^2 - 81*a^2*b^3*c^5*d*g*h^2* \\
& z^2 - 162*a^2*b^2*c^6*d*f*g^2*z^2 - 189*a^5*b^3*c^2*l^3*m*z^2 + 162*a^5*b^2 \\
& *c^3*k^3*m*z^2 - 27*a^4*b^4*c^2*k^3*m*z^2 - 702*a^4*b^3*c^3*j^3*m*z^2 - 81* \\
& a^3*b^6*c^j^2*m^2*z^2 + 81*a^3*b^5*c^2*j^3*m*z^2 - 54*a^5*b^3*c^2*j^3*m^3*z^2 \\
& - 486*a^5*b^2*c^3*j^1^3*z^2 + 216*a^4*b^4*c^2*j^1^3*z^2 - 189*a^4*b^3*c^3*
\end{aligned}$$

$$\begin{aligned}
& j^3k^3z^2 - 54a^4b^2c^4h^3m^2z^2 + 27a^3b^5c^2j^3k^3z^2 + 27a^3b^3c^4g^3m^2z^2 - 810a^4b^4c^2f^3m^3z^2 + 540a^5b^2c^3f^3m^3z^2 - 324a^3b^2c^5f^3m^2z^2 + 54a^2b^4c^4f^3m^2z^2 + 675a^4b^3c^3f^3l^3z^2 - 243a^3b^5c^2f^3l^3z^2 - 189a^2b^3c^5e^3m^2z^2 + 27a^3b^3c^4h^3j^2z^2 - 486a^4b^2c^4f^3k^3z^2 - 486a^2b^2c^6d^3m^2z^2 + 216a^3b^4c^3f^3k^3z^2 - 54a^3b^2c^5g^3j^2z^2 - 27a^2b^6c^2f^3k^3z^2 - 270a^3b^3c^4f^3j^2z^2 - 54a^2b^3c^5f^3j^2z^2 + 27a^2b^5c^3f^3j^2z^2 + 162a^2b^2c^6e^3j^2z^2 + 162a^3b^2c^5f^3h^3z^2 - 27a^2b^4c^4f^3h^3z^2 + 27a^2b^3c^5f^3g^3z^2 + 81a^2b^2c^7d^2e^2z^2 - 648a^6c^4h^3l^2m^2z^2 + 648a^5c^5g^2k^3m^2z^2 - 648a^5c^5h^2j^3l^2z^2 + 1296a^5c^5h^2j^2k^3z^2 + 1296a^5c^5g^2j^2l^3z^2 + 1296a^5c^5f^3j^2m^2z^2 - 648a^5c^5g^2j^3k^2z^2 + 648a^5c^5e^2k^2l^3z^2 + 648a^5c^5d^3k^2m^2z^2 - 648a^4c^6d^2k^3m^2z^2 - 648a^5c^5e^2j^3l^2z^2 + 648a^5c^5d^3k^2l^2z^2 + 648a^4c^6e^2j^3l^2z^2 + 324a^6b^3c^3l^3m^2z^2 + 27a^4b^5c^3l^3m^2z^2 + 648a^5c^5f^3h^3l^2z^2 - 648a^4c^6e^2h^3m^2z^2 + 1512a^5b^3c^4j^3m^2z^2 + 1080a^6b^3c^3j^3m^3z^2 - 162a^4b^5c^3j^3m^3z^2 - 648a^4c^6f^3g^2k^3z^2 + 648a^4c^6e^2g^2l^3z^2 - 648a^4c^6d^3g^2m^2z^2 - 27a^3b^6c^3j^3l^3z^2 + 648a^4c^6e^2h^2j^3z^2 + 648a^4c^6d^3h^2k^3z^2 + 324a^5b^3c^4j^3k^3z^2 - 1296a^4c^6e^2g^2j^2z^2 - 1296a^4c^6d^3h^2j^2z^2 - 108a^4b^3c^5g^3m^2z^2 - 648a^4c^6d^3f^3k^2z^2 - 648a^3c^7d^2g^3j^2z^2 + 648a^3c^7d^2f^3k^2z^2 + 648a^3c^7d^2e^3l^2z^2 + 270a^3b^6c^3f^3m^3z^2 + 648a^3c^7d^2e^2k^3z^2 - 540a^5b^3c^4f^3l^3z^2 + 324a^3b^3c^6e^3m^2z^2 - 108a^4b^3c^5h^3j^2z^2 + 27a^2b^7c^3f^3l^3z^2 + 27a^2b^5c^4e^3m^2z^2 + 648a^3c^7e^2f^3h^3z^2 + 216a^2b^4c^5d^3m^2z^2 + 648a^4b^3c^5f^3j^2z^2 + 216a^3b^3c^6f^3j^2z^2 + 648a^3c^7d^3f^3g^2z^2 - 27a^2b^4c^5e^3j^2z^2 + 324a^2b^3c^7d^3j^2z^2 - 189a^2b^3c^6d^3j^2z^2 - 108a^3b^3c^6f^3g^3z^2 - 108a^2b^3c^7e^3f^3z^2 + 27a^2b^3c^6e^3f^3z^2 + 162a^2b^2c^7d^3f^3z^2 - 1134a^5b^2c^3j^2m^2z^2 + 648a^4b^4c^2j^2m^2z^2 + 81a^5b^2c^3k^2l^2z^2 + 162a^4b^2c^4f^2m^2z^2 + 81a^4b^2c^4h^2k^2z^2 + 81a^4b^2c^4g^2l^2z^2 + 162a^3b^2c^5f^2j^2z^2 + 81a^3b^2c^5e^2k^2z^2 + 81a^3b^2c^5d^2l^2z^2 + 81a^3b^2c^5g^2h^2z^2 + 81a^2b^2c^6e^2g^2z^2 + 81a^2b^2c^6d^2h^2z^2 - 216a^6c^4k^3m^2z^2 + 216a^6c^4j^3l^3z^2 + 27a^3b^7j^3m^3z^2 + 216a^5c^5h^3m^2z^2 + 432a^6c^4f^3m^3z^2 + 432a^4c^6f^3m^2z^2 - 27b^6c^4d^3m^2z^2 - 27a^2b^8f^3m^3z^2 + 216a^5c^5f^3k^3z^2 + 216a^4c^6g^3j^2z^2 + 216a^3c^7d^3m^2z^2 + 216a^5b^4c^3m^4z^2 - 216a^3c^7e^3j^2z^2 + 27b^5c^5d^3j^2z^2 - 216a^4c^6f^3h^3z^2 - 27b^4c^6d^3f^3z^2 - 216a^2c^8d^3f^3z^2 - 648a^6c^4j^2m^2z^2 - 324a^6c^4k^2l^2z^2 - 648a^5c^5f^2m^2z^2 - 324a^5c^5h^2k^2z^2 - 324a^5c^5g^2l^2z^2 - 648a^4c^6f^2j^2z^2 - 324a^4c^6e^2k^2z^2 - 324a^4c^6d^2l^2z^2 - 405a^6b^2c^2m^4z^2 - 324a^4c^6g^2h^2z^2 - 324a^3c^7e^2g^2z^2 - 324a^3c^7d^2h^2z^2 + 243a^4b^2c^4j^4z^2 - 27a^3b^4c^3j^4z^2 - 324a^2c^8d^2e^2z^2 + 27a^2b^2c^6f^4z^2 - 108a^7c^3m^4z^2 - 27a^4b^6m^4z^2 - 540a^5c^5j^4z^2 - 108a^3c^7f^4z^2 - 216a^5b^3c^3f^3j^3k^3l^3m^3 - 54a^3b^5c^3f^3j^3k^3l^3m^3 + 27a^3b^5c^3g^3h^3k^3l^3m^3 - 27a^2b^6c^3e^3g^3k^3l^3m^3 - 27a^2b^6c^3d^3h^3k^3l^3m^3 + 432a^4b^3c^4d^3g^3j^3k^3m^3 - 432a^4b^3c^4d^3e^3k^3l^3m^3 + 216a^4b^3c^4e^3g^3j^3k^3l^3m^3 + 216a^4b^3c^4e^3f^3j^3k^3m^3 + 216a^4b^3c^4d^3h^3j^3k^3l^3m^3 + 216a^4b^3c^4d^3f^3j^3l^3m^3 + 216a^4b^3c^4f^3g^3h^3j^3m^3 - 27a^2b^6c^2d^3e^3j^3k^3l^3m^3 - 27a^2b^6c^2d^3e^3h^3k^3m^3 - 27a^2b^6c^2d^3e^3g^3l^3m^3 + 216a^3b^3c^5d^3e^3h^3j^3k^3z^2 + 216a^3b^3c^5d^3e^3g^3j^3l^3z^2 - 216a^3b^3c^5d^3e^3f^3j^3m^3z^2 + 27a^2b^5c^3d^3e^3h^3j^3k^3z^2 + 27a^2b^5c^3d^3e^3g^3j^3l^3z^2 + 27a^2b^5c^3d^3e^3g^3h^3m^3z^2 - 27a^2b^4c^4d^3e^3g^3h^3j^3z^2 + 27a^2b^7c^3d^3e^3k^3l^3m^3z^2 + 270a^4b^3c^2f^3j^3k^3l^3m^3z^2 - 108a^4b^3c^2g^3h^3k^3l^3m^3z^2 - 216a^4b^2c^3f^3h^3j^3k^3m^3z^2 - 216a^4b^2c^3f^3g^3j^3l^3m^3z^2 - 216a^4b^2c^3e^3g^3k^3l^3m^3z^2 - 216a^4b^2c^3d^3h^3k^3l^3m^3z^2 + 162a^3b^4c^2e^3g^3k^3l^3m^3z^2 + 162a^3b^4c^2d^3h^3k^3l^3m^3z^2 + 108a^4b^2c^3g^3h^3j^3k^3l^3z^2 + 108a^4b^2c^3e^3h^3j^3l^3m^3z^2 + 54a^3b^4c^2f^3h^3j^3k^3m^3z^2 + 54a^3b^4c^2f^3g^3j^3l^3m^3z^2 - 27a^3b^4c^2g^3h^3j^3k^3l^3z^2 + 540a^3b^3c^3d^3e^3k^3l^3m^3z^2 - 216a^2b^5c^2d^3e^3k^3l^3m^3z^2 - 162a^3b^3c^3e^3g^3j^3k^3l^3z^2 - 162a^3b^
\end{aligned}$$

$$\begin{aligned}
& 3c^3d^3h^3j^3k^3l^3z - 108a^3b^3c^3d^3g^3j^3k^3m^3z - 54a^3b^3c^3e^3f^3j^3k^3m^3z - 54a^3b^3c^3d^3f^3j^3l^3m^3z + 27a^2b^5c^2e^3g^3j^3k^3l^3z + 27a^2b^5c^2d^3h^3j^3k^3l^3z - 108a^3b^3c^3e^3g^3h^3k^3m^3z - 108a^3b^3c^3d^3g^3h^3l^3m^3z - \\
& 54a^3b^3c^3f^3g^3h^3j^3m^3z + 27a^2b^5c^2e^3g^3h^3k^3m^3z + 27a^2b^5c^2d^3g^3h^3l^3m^3z - 540a^3b^2c^4d^3e^3j^3k^3l^3z + 216a^2b^4c^3d^3e^3j^3k^3l^3z - 216a^3b^2c^4d^3e^3h^3k^3m^3z - 216a^3b^2c^4d^3e^3g^3l^3m^3z + 162a^2b^4c^3d^3e^3h^3k^3m^3z + 162a^2b^4c^3d^3e^3g^3l^3m^3z + 108a^3b^2c^4e^3g^3h^3j^3k^3z - 108a^3b^2c^4e^3f^3h^3j^3l^3z + 108a^3b^2c^4d^3g^3h^3j^3l^3z + 108a^3b^2c^4d^3f^3g^3k^3m^3z - 27a^2b^4c^3e^3g^3h^3j^3k^3z - 27a^2b^4c^3d^3g^3h^3j^3l^3z - 162a^2b^3c^4d^3e^3h^3j^3k^3z - 162a^2b^3c^4d^3e^3g^3j^3l^3z + 54a^2b^3c^4d^3e^3f^3j^3m^3z - 108a^2b^3c^4d^3e^3g^3h^3m^3z + 108a^2b^2c^5d^3e^3g^3h^3j^3z + 324a^6b^3c^2j^3k^3l^3m^2z - 81a^5b^3c^3j^3k^3l^3m^2z + 27a^4b^4c^3j^2k^3l^3m^3z - 27a^4b^4c^3h^3k^2l^3m^3z - 27a^4b^4c^3g^3k^3l^2m^3z + 216a^5b^3c^3h^3j^2k^3m^3z + 216a^5b^3c^3g^3j^2l^3m^3z + 54a^4b^4c^3f^3k^3l^3m^2z + 27a^4b^4c^3c^3h^3j^3k^3m^2z + 27a^4b^4c^3g^3j^3l^3m^2z + 27a^2b^6c^3f^2k^3l^3m^3z + 216a^5b^3c^3e^3k^2l^3m^3z - 108a^5b^3c^3h^3j^3k^2l^3z + 27a^3b^5c^3e^3k^2l^3m^3z + 216a^5b^3c^3d^3k^3l^2m^3z + 216a^4b^3c^4e^2j^3l^3m^3z - 108a^5b^3c^3g^3j^3k^3l^2z + 27a^3b^5c^3d^3k^3l^2m^3z - 324a^5b^3c^3e^3j^3k^3m^2z - 324a^5b^3c^3d^3j^3l^3m^2z - 216a^5b^3c^3f^3h^3l^2m^3z - 108a^4b^3c^4f^2j^3k^3l^3z - 27a^3b^5c^3e^3j^3k^3m^2z - 27a^3b^5c^3d^3j^3l^3m^2z - 324a^5b^3c^3g^3h^3j^3m^2z + 216a^5b^3c^3f^3h^3k^3m^2z + 216a^5b^3c^3f^3g^3l^3m^2z + 216a^5b^3c^3e^3h^3l^3m^2z - 216a^4b^3c^4f^2h^3k^3m^3z - 216a^4b^3c^4f^2g^3l^3m^3z - 27a^3b^5c^3g^3h^3j^3m^2z + 216a^4b^3c^4e^3g^2l^3m^3z - 108a^4b^3c^4g^2h^3j^3l^3z - 216a^4b^3c^4f^3h^2j^3l^3z + 216a^4b^3c^4e^3h^2j^3m^3z + 216a^4b^3c^4d^3h^2k^3m^3z - 108a^4b^3c^4g^3h^2j^3k^3z - 432a^4b^3c^4e^3g^3j^2m^3z - 432a^4b^3c^4d^3h^3j^2m^3z + 216a^4b^3c^4f^3h^3j^2k^3z + 216a^4b^3c^4f^3g^3j^2l^3z + 27a^2b^6c^3e^3g^3j^3m^2z + 27a^2b^6c^3d^3h^3j^3m^2z - 432a^3b^3c^5d^2g^3j^3m^3z - 216a^4b^3c^4f^3g^3j^3k^2z + 216a^3b^3c^5d^2f^3k^3m^3z + 216a^3b^3c^5d^2e^3l^3m^3z - 108a^4b^3c^4e^3h^3j^3k^2z - 108a^4b^3c^4d^3g^3k^2l^3z - 108a^3b^3c^5d^2h^3j^3l^3z + 108a^3b^3c^5d^2g^3k^3l^3z - 54a^3b^5c^3d^2g^3j^3m^3z + 27a^3b^5c^3d^2g^3k^3l^3z + 27a^3b^5c^3d^2e^3l^3m^3z - 216a^4b^3c^4e^3f^3j^3l^2z + 216a^3b^3c^5d^3e^2k^3m^3z - 108a^4b^3c^4d^3g^3j^3l^2z - 108a^3b^3c^5e^2g^3j^3k^3z + 27a^3b^5c^3d^3e^2k^3m^3z + 324a^4b^3c^4d^3e^3j^3m^2z + 216a^3b^3c^5e^2f^3h^3m^3z - 108a^4b^3c^4e^3g^3h^3l^2z + 108a^3b^3c^5e^2g^3h^3l^3z + 108a^3b^3c^5e^2f^2j^3k^3z + 108a^3b^3c^5d^3f^2j^3l^3z + 27a^3b^6c^2d^3e^3j^2m^3z - 216a^3b^3c^5e^2f^2h^3l^3z + 108a^3b^3c^5f^2g^3h^3j^3z - 27a^3b^4c^4d^2e^3j^3l^3z + 216a^3b^3c^5d^3f^3g^2m^3z - 108a^3b^3c^5e^3g^2h^3j^3z + 54a^3b^4c^4d^2e^3f^3g^3m^3z - 27a^3b^4c^4d^2g^3h^3k^3z - 27a^3b^4c^4d^2e^3h^3m^3z - 27a^3b^4c^4d^3e^2j^3k^3z - 108a^3b^3c^5d^3g^3h^2j^3z + 54a^3b^4c^4d^3e^2h^3l^3z + 27a^3b^6c^2d^3e^3h^3l^2z - 27a^3b^5c^3d^3e^3h^2l^3z - 27a^3b^4c^4d^3e^2g^3m^3z - 27a^3b^4c^4d^3e^3f^2m^3z + 216a^2b^3c^6d^2f^3g^3j^3z - 108a^3b^3c^5d^3e^3g^3k^2z - 108a^2b^3c^6d^2e^3h^3j^3z + 108a^2b^3c^6d^2e^3g^3k^3z - 54a^3b^3c^5d^2f^3g^3j^3z - 27a^3b^5c^3d^3e^3g^3k^2z + 27a^3b^4c^4d^3e^3g^2k^3z + 27a^3b^3c^5d^2e^3h^3j^3z - 27a^3b^3c^5d^2e^3g^3k^3z - 108a^2b^3c^6d^3e^2g^3j^3z + 27a^3b^3c^5d^3e^2g^3j^3z - 108a^2b^3c^6d^3e^2f^3j^3z + 432a^5c^4e^3h^3j^3l^3m^3z + 432a^4c^5d^3e^3j^3k^3l^3z + 432a^4c^5d^3f^3g^3k^3m^3z - 27a^3b^7c^3d^3e^3j^3m^2z - 54a^5b^2c^2j^2k^3l^3m^3z + 108a^5b^2c^2h^3k^2l^3m^3z + 108a^5b^2c^2g^3k^3l^2m^3z - 54a^5b^2c^2h^3j^3l^2m^3z + 378a^4b^2c^3f^2k^3l^3m^3z - 270a^5b^2c^2f^3k^3l^3m^2z - 189a^3b^4c^2f^2k^3l^3m^3z - 108a^5b^2c^2h^3j^3k^3m^2z - 108a^5b^2c^2g^3j^3l^3m^2z - 54a^4b^3c^2h^3j^2k^3m^3z - 54a^4b^3c^2g^3j^2l^3m^3z - 162a^4b^3c^2e^3k^2l^3m^3z + 54a^4b^2c^3g^2j^3k^3m^3z + 27a^4b^3c^2h^3j^3k^2l^3z - 162a^4b^3c^2d^3k^3l^2m^3z + 108a^4b^2c^3g^2h^3l^3m^3z - 54a^3b^3c^3e^2j^3l^3m^3z + 27a^4b^3c^2g^3j^3k^3l^2z - 27a^3b^4c^2g^2h^3l^3m^3z - 270a^4b^2c^3f^3j^2k^3l^3z + 189a^4b^3c^2e^3j^3k^3m^2z + 189a^4b^3c^2d^3j^3l^3m^2z - 162a^4b^2c^3e^3j^2k^3m^3z - 162a^4b^2c^3d^3j^2l^3m^3z + 135a^3b^3c^3f^2j^3k^3l^3z + 108a^4b^2c^3g^3h^2k^3m^3z + 54a^4b^3c^2f^3h^3l^2m^3z - 54a^4b^2c^3f^3h^2l^3m^3z + 54a^3b^4c^2f^3j^2k^3l^3z - 27a^3b^4c^2g^3h^2k^3z
\end{aligned}$$

$$\begin{aligned}
& m^z + 27a^3b^4c^2e^j2k^mz + 27a^3b^4c^2d^j2l^mz - 27a^2b^5c^2f^2j^k^l^mz - 270a^3b^2c^4d^2j^k^mz + 189a^4b^3c^2g^h^j^m^2z \\
& - 162a^4b^2c^3g^h^j^2m^z + 162a^4b^2c^3e^j^k^2l^mz + 162a^3b^3c^3f^2h^k^m^2z + 162a^3b^3c^3f^2g^l^m^2z - 54a^4b^3c^2f^h^k^m^2z \\
& - 54a^4b^3c^2f^g^l^m^2z - 54a^4b^3c^2e^h^l^m^2z + 54a^4b^2c^3d^j^k^2m^z + 54a^2b^4c^3d^2j^k^m^z + 27a^3b^4c^2g^h^j^2m^z - 27a^3b^4c^2e^j^k^2l^mz \\
& - 27a^2b^5c^2f^2h^k^m^z - 27a^2b^5c^2f^2g^l^m^z + 162a^4b^2c^3d^j^k^l^2z - 162a^3b^3c^3e^g^2l^m^z + 108a^4b^2c^3e^h^k^2m^z + 108a^3b^2c^4d^2h^l^m^z \\
& - 54a^4b^2c^3f^g^k^2m^z - 27a^3b^4c^2e^h^k^2m^z - 27a^3b^4c^2d^j^k^l^2z + 27a^3b^3c^3g^2h^j^l^z + 27a^2b^5c^2e^g^2l^m^z - 27a^2b^4c^3d^2h^l^m^z \\
& + 270a^4b^2c^3f^h^j^l^2z - 270a^3b^2c^4e^2h^j^m^z - 162a^4b^2c^3e^h^k^l^2z - 162a^3b^3c^3d^h^2k^m^z + 162a^3b^2c^4e^2h^k^l^z \\
& + 108a^4b^2c^3d^g^l^2m^z + 108a^3b^2c^4e^2g^k^m^z - 54a^4b^2c^3e^f^l^2m^z - 54a^3b^4c^2f^h^j^l^2z + 54a^3b^3c^3f^h^2j^l^z - 54a^3b^3c^3e^h^2j^m^z \\
& + 54a^3b^2c^4e^2f^l^m^z + 54a^2b^4c^3e^2h^j^m^z + 27a^3b^4c^2e^h^k^l^2z - 27a^3b^4c^2d^g^l^2m^z + 27a^3b^3c^3g^h^2j^k^z + 27a^2b^5c^2d^h^2k^m^z \\
& - 27a^2b^4c^3e^2h^k^l^z - 27a^2b^4c^3e^2g^k^m^z + 432a^4b^2c^3e^g^j^m^2z + 432a^4b^2c^3d^h^j^m^2z - 270a^4b^2c^3d^g^k^m^2z - 216a^3b^4c^2e^g^j^m^2z \\
& - 216a^3b^4c^2d^h^j^m^2z + 216a^3b^3c^3e^g^j^2m^z + 216a^3b^3c^3d^h^j^2m^z - 162a^3b^2c^4e^f^2k^m^z - 162a^3b^2c^4d^f^2l^m^z \\
& - 108a^3b^2c^4f^2h^j^k^z - 108a^3b^2c^4f^2g^j^l^z + 54a^4b^2c^3e^f^k^m^2z + 54a^4b^2c^3d^f^l^m^2z + 54a^3b^4c^2d^g^k^m^2z - 54a^3b^3c^3f^h^j^2k^z \\
& - 54a^3b^3c^3f^g^j^2l^z - 27a^2b^5c^2e^g^j^2m^z - 27a^2b^5c^2d^h^j^2m^z + 27a^2b^4c^3f^2h^j^k^z + 27a^2b^4c^3f^2g^j^l^z + 27a^2b^4c^3e^f^2k^m^z \\
& + 27a^2b^4c^3d^f^2l^m^z + 324a^2b^3c^4d^2g^j^m^z - 270a^3b^2c^4d^g^2j^m^z - 162a^3b^2c^4f^2g^h^m^z + 162a^3b^2c^4e^g^2j^l^z - 162a^2b^3c^4d^2e^l^m^z \\
& - 135a^2b^3c^4d^2g^k^l^z + 108a^3b^2c^4d^g^2k^l^z + 54a^4b^2c^3f^g^h^m^2z + 54a^3b^3c^3f^g^j^k^2z - 54a^3b^2c^4f^g^2j^k^z + 54a^2b^4c^3d^g^2j^m^z \\
& - 54a^2b^3c^4d^2f^k^m^z + 27a^3b^3c^3e^h^j^k^2z + 27a^3b^3c^3d^g^k^2l^z + 27a^2b^4c^3f^2g^h^m^z - 27a^2b^4c^3e^g^2j^l^z - 27a^2b^4c^3d^g^2k^l^z \\
& + 27a^2b^3c^4d^2h^j^l^z + 162a^3b^2c^4d^h^2j^k^z - 162a^2b^3c^4d^e^2k^m^z + 108a^3b^2c^4e^g^2h^m^z + 54a^3b^3c^3e^f^j^l^2z + 27a^3b^3c^3d^g^j^l^2z \\
& - 27a^2b^4c^3e^g^2h^m^z - 27a^2b^4c^3d^h^2j^k^z + 27a^2b^3c^4e^2g^j^k^z - 621a^3b^3c^3d^e^j^m^2z + 594a^3b^2c^4d^e^j^2m^z + 243a^2b^5c^2d^e^j^m^2z \\
& - 243a^2b^4c^3d^e^j^2m^z + 135a^3b^3c^3e^g^h^l^2z - 108a^3b^2c^4e^g^h^2l^z + 108a^3b^2c^4d^g^h^2m^z + 54a^3b^2c^4e^f^j^2k^z + 54a^3b^2c^4e^f^h^2m^z + 54a^3b^2c^4d^g^j^2k^z \\
& + 54a^3b^2c^4d^f^j^2l^z - 54a^2b^3c^4e^2f^h^m^z - 27a^2b^5c^2e^g^h^l^2z + 27a^2b^4c^3e^g^h^2l^z - 27a^2b^4c^3d^g^h^2m^z - 27a^2b^3c^4e^2g^h^l^z \\
& - 27a^2b^3c^4e^f^2j^k^z - 27a^2b^3c^4d^f^2j^l^z + 162a^2b^2c^5d^2e^j^l^z + 54a^3b^2c^4f^g^h^j^2z - 54a^3b^2c^4d^f^j^k^2z + 54a^2b^3c^4e^f^2h^l^z + 54a^2b^2c^5d^2f^j^k^z \\
& - 27a^2b^3c^4f^2g^h^j^z - 270a^2b^2c^5d^2f^g^m^z - 162a^3b^2c^4d^g^h^k^2z + 162a^2b^2c^5d^2g^h^k^z + 162a^2b^2c^5d^2e^j^k^z + 108a^2b^2c^5d^2e^h^m^z \\
& - 54a^2b^3c^4d^f^g^2m^z + 27a^2b^4c^3d^g^h^k^2z + 27a^2b^3c^4e^g^2h^j^z + 270a^3b^2c^4d^e^h^l^2z - 270a^2b^2c^5d^2e^h^l^z - 162a^2b^4c^3d^e^h^l^2z \\
& + 108a^2b^3c^4d^e^h^2l^z + 108a^2b^2c^5d^2e^2g^m^z + 54a^2b^2c^5e^2f^h^j^z + 27a^2b^3c^4d^g^h^2j^z + 162a^2b^2c^5d^e^f^2m^z - 54a^3b^2c^4d^e^f^m^2z \\
& - 54a^2b^2c^5d^f^2g^k^z + 135a^2b^3c^4d^e^g^k^2z - 108a^2b^2c^5d^e^g^2k^z + 54a^2b^2c^5d^f^g^2j^z - 54a^2b^2c^5d^e^f^j^2z - 9a^5b^7c^d^e^l^3z \\
& - 36a^5b^7c^d^3e^g^z - 108a^6b^7c^2k^2l^2m^z + 27a^5b^3c^k^2l^2m^z - 18a^5b^2c^2j^k^3m^z - 27a^4b^3c^2j^3k^l^z - 108a^5b^3c^3h^2k^2m^z \\
& - 108a^5b^3c^3g^2l^2m^z + 108a^5b^3c^3h^2k^l^2z + 108a^5b^3c^3g^2k^m^2z + 90a^
\end{aligned}$$

$$\begin{aligned}
& 5*b^2*c^2*f*l^3*m*z - 18*a^5*b^2*c^2*h*k*l^3*z + 18*a^4*b^2*c^3*h^3*k*l*z + \\
& 18*a^4*b^2*c^3*h^3*j*m*z - 108*a^5*b*c^3*h*j^2*l^2*z + 18*a^4*b^3*c^2*f*k^3*m*z - 18*a^3*b^3*c^3*g^3*j*m*z - 9*a^4*b^3*c^2*g*k^3*l*z + 9*a^3*b^3*c^3*g^3*k*l*z + 252*a^4*b^2*c^3*f*j^3*m*z + 216*a^5*b*c^3*f*j^2*m^2*z + 180*a^3*b^2*c^4*f^3*j*m*z - 108*a^4*b*c^4*e^2*k^2*m*z - 108*a^4*b*c^4*d^2*l^2*m*z + 90*a^5*b^2*c^2*e*k*m^3*z + 90*a^5*b^2*c^2*d*l*m^3*z - 90*a^3*b^2*c^4*f^3*k*l*z + 54*a^3*b^5*c*f*j^2*m^2*z - 54*a^3*b^4*c^2*f*j^3*m*z + 36*a^5*b^2*c^2*f*j*m^3*z + 36*a^4*b^2*c^3*h*j^3*k*z + 36*a^4*b^2*c^3*g*j^3*l*z - 36*a^2*b^4*c^3*f^3*j*m*z - 27*a^2*b^6*c*f^2*j*m^2*z + 18*a^2*b^4*c^3*f^3*k*l*z - 216*a^4*b*c^4*d^2*k*m^2*z + 108*a^5*b*c^3*d*k^2*m^2*z - 108*a^4*b^3*c^2*f*j*l^3*z - 108*a^4*b*c^4*g^2*h^2*m*z + 108*a^2*b^3*c^4*e^3*j*m*z + 90*a^5*b^2*c^2*g*h*m^3*z + 54*a^4*b^3*c^2*e*k*l^3*z - 54*a^2*b^3*c^4*e^3*k*l*z + 234*a^2*b^2*c^5*d^3*j*m*z - 144*a^2*b^2*c^5*d^3*k*l*z + 90*a^4*b^2*c^3*f*j*k^3*z - 72*a^4*b^2*c^3*d*k^3*l*z + 27*a^4*b^3*c^2*g*h*l^3*z - 27*a^3*b^3*c^3*g*h^3*l*z - 18*a^3*b^4*c^2*f*j*k^3*z + 9*a^3*b^4*c^2*d*k^3*l*z + 216*a^4*b*c^4*f^2*h*l^2*z - 216*a^4*b*c^4*e^2*h*m^2*z + 108*a^4*b*c^4*g^2*h*k^2*z - 18*a^4*b^2*c^3*g*h*k^3*z + 18*a^3*b^2*c^4*g^3*h*k*z + 18*a^3*b^2*c^4*f*g^3*m*z + 9*a^3*b^4*c^2*g*h*k^3*z - 9*a^3*b^3*c^3*e*j^3*k*z - 9*a^3*b^3*c^3*d*j^3*l*z - 144*a^4*b^3*c^2*e*g*m^3*z - 144*a^4*b^3*c^2*d*h*m^3*z - 108*a^3*b*c^5*e^2*g^2*m*z + 108*a^3*b*c^5*d^2*j^2*k*z - 108*a^3*b*c^5*d^2*h^2*m*z - 18*a^2*b^3*c^4*f^3*h*k*z - 18*a^2*b^3*c^4*f^3*g*l*z - 9*a^3*b^3*c^3*g*h*j^3*z - 216*a^4*b*c^4*d*g^2*m^2*z + 144*a^4*b^2*c^3*e*g*l^3*z - 126*a^3*b^2*c^4*d*h^3*l*z - 108*a^4*b*c^4*d*h^2*l^2*z - 108*a^3*b*c^5*f^2*g^2*k*z - 108*a^3*b*c^5*e^2*h^2*k*z - 90*a^2*b^2*c^5*e^3*f*m*z + 72*a^2*b^2*c^5*e^3*g*l*z - 63*a^3*b^4*c^2*e*g*l^3*z - 36*a^3*b^4*c^2*d*h*l^3*z + 27*a^2*b^4*c^3*d*h^3*l*z + 27*a*b^6*c^2*d^2*g*m^2*z - 18*a^4*b^2*c^3*d*h*l^3*z - 18*a^3*b^2*c^4*f*h^3*j*z - 18*a^3*b^2*c^4*e*h^3*k*z + 18*a^2*b^2*c^5*e^3*h*k*z + 108*a^3*b*c^5*e^2*h*j^2*z + 54*a^3*b^3*c^3*d*h*k^3*z + 27*a^3*b^3*c^3*e*g*k^3*z - 27*a^2*b^3*c^4*e*g^3*k*z + 27*a^2*b^3*c^4*d*g^3*l*z - 27*a*b^4*c^4*d^2*g^2*l*z - 9*a^2*b^5*c^2*e*g*k^3*z - 9*a^2*b^5*c^2*d*h*k^3*z + 207*a^3*b^4*c^2*d*e*m^3*z - 108*a^2*b*c^6*d^2*e^2*m*z - 90*a^4*b^2*c^3*d*e*m^3*z - 72*a^3*b^2*c^4*e*g*j^3*z - 72*a^3*b^2*c^4*d*h*j^3*z + 27*a*b^3*c^5*d^2*e^2*m*z + 18*a^2*b^2*c^5*e*f^3*k*z + 18*a^2*b^2*c^5*d*f^3*l*z + 9*a^2*b^4*c^3*e*g*j^3*z + 9*a^2*b^4*c^3*d*h*j^3*z - 216*a^3*b*c^5*d*e^2*l^2*z - 198*a^3*b^3*c^3*d*e*l^3*z + 108*a^3*b*c^5*d*g^2*j^2*z - 108*a^3*b*c^5*d*f^2*k^2*z + 72*a^2*b^5*c^2*d*e*l^3*z - 27*a*b^5*c^3*d*e^2*l^2*z + 27*a*b^4*c^4*d^2*g*j^2*z + 18*a^2*b^2*c^5*f^3*g*h*z + 144*a^3*b^2*c^4*d*e*k^3*z - 63*a^2*b^4*c^3*d*e*k^3*z + 27*a*b^4*c^4*d^2*e*k^2*z - 9*a^2*b^3*c^4*e*g*h^3*z - 108*a^2*b*c^6*d^2*g^2*h*z + 81*a^2*b^3*c^4*d*e*j^3*z + 27*a*b^3*c^5*d^2*g^2*h*z - 27*a*b^2*c^6*d^2*e^2*j*z - 18*a^2*b^2*c^5*d*g^3*h*z + 108*a^2*b*c^6*d*e^2*h^2*z - 27*a*b^3*c^5*d*e^2*h^2*z + 27*a*b^2*c^6*d^2*f^2*g*z - 18*a^2*b^2*c^5*d*e*h^3*z - 216*a^6*c^3*j^2*k*l*m*z + 216*a^6*c^3*h*j*l^2*m*z + 216*a^6*c^3*f*k*l*m^2*z - 216*a^5*c^4*f^2*k*l*m*z - 216*a^5*c^4*g^2*j*k*m*z + 216*a^5*c^4*f*j^2*k*l*z + 216*a^5*c^4*f*h^2*l*m*z + 216*a^5*c^4*e*j^2*k*m*z + 216*a^5*c^4*d*j^2*l*m*z + 216*a^5*c^4*g*h*j^2*m*z - 216*a^5*c^4*e*j*k^2*l*z - 216*a^5*c^4*d*j*k^2*m*z + 216*a^4*c^5*d^2*j*k*m*z - 18*a^6*b^2*c*k*l*m^3*z + 216*a^5*c^4*f*g*k^2*m*z - 216*a^5*c^4*d*j*k*l^2*z - 72*a^6*b*c^2*j*l^3*m*z + 18*a^5*b^3*c*j*l^3*m*z - 216*a^5*c^4*f*h*j*l^2*z + 216*a^5*c^4*e*h*k*l^2*z + 216*a^5*c^4*e*f*l^2*m*z - 216*a^4*c^5*e^2*h*k*l*z + 216*a^4*c^5*e^2*h*j*m*z - 216*a^4*c^5*e^2*f*l*m*z - 216*a^5*c^4*e*f*k*m^2*z + 216*a^5*c^4*d*g*k*m^2*z - 216*a^5*c^4*d*f*l*m^2*z + 216*a^4*c^5*e*f^2*k*m*z + 216*a^4*c^5*d*f^2*l*m*z + 108*a^5*b*c^3*j^3*k*l*z - 216*a^5*c^4*f*g*h*m^2*z + 216*a^4*c^5*f^2*g*h*m*z + 216*a^4*c^5*f*g^2*j*k*z - 216*a^4*c^5*e*g^2*j*l*z + 216*a^4*c^5*d*g^2*j*m*z - 72*a^6*b*c^2*h*k*m^3*z - 72*a^6*b*c^2*g*l*m^3*z + 54*a^5*b^3*c*h*k*m^3*z + 54*a^5*b^3*c*g*l*m^3*z - 216*a^4*c^5*d*h^2*j*k*z - 18*a^4*b^4*c*f*l^3*m*z + 9*a^4*b^4*c*h*k*l^3*z - 216*a^4*c^5*e*f*j^2*k*z - 216*a^4*c^5*e*f*h^2*m*z - 216*a^4*c^5*d*g*j^2*k*z - 216*a^4*c^5*d*f*j^2*l*z - 216*a^4*c^5*d*e*j^2*m*z - 72*a^5*b*c^3*f*k^3*m*z + 72*a^4*b*c^4*g^3*j*m*z + 36*a^5*b*c^3*g*k^3*l*z - 36*a^4*b*c^4*g^3*k*l*z - 216*a^4*c^5*f*g*h*j^2*z + 216*a^4*c^5*d*f
\end{aligned}$$

$$\begin{aligned}
& j^2k^2z - 216a^3c^6d^2f^2jk^2z - 216a^3c^6d^2e^2j^2k^2z + 72a^4b^4c^8 \\
& f^2j^2m^3z - 63a^4b^4c^8e^2k^2m^3z - 63a^4b^4c^8d^2l^2m^3z + 216a^4c^5d^2 \\
& g^2h^2k^2z - 216a^3c^6d^2g^2h^2k^2z + 216a^3c^6d^2f^2g^2m^2z - 216a^3c^6 \\
& d^2e^2j^2k^2z + 144a^5b^2c^3f^2j^2l^3z - 144a^3b^2c^5e^2j^2m^2z - 72a^5b^2 \\
& b^2c^3e^2k^2l^3z + 72a^3b^2c^5e^2k^2l^3z - 63a^4b^4c^8g^2h^2m^3z + 18a^3b^2 \\
& b^5c^2f^2j^2l^3z - 18a^2b^5c^3e^2j^2m^2z - 9a^3b^5c^2e^2k^2l^3z + 9a^2b^5c^3 \\
& e^2k^2l^3z - 216a^4c^5d^2e^2h^2l^2z - 216a^3c^6e^2f^2h^2j^2z + 216a^3c^6 \\
& d^2e^2h^2l^2z - 126a^2b^4c^4d^3j^2m^2z + 108a^4b^2c^4g^2h^3l^2z + 63a^2 \\
& b^4c^4d^3k^2l^2z + 36a^5b^2c^3g^2h^2l^3z - 9a^3b^5c^2g^2h^2l^3z + 216a^4 \\
& c^5d^2e^2f^2m^2z + 216a^3c^6d^2f^2g^2k^2z - 216a^3c^6d^2e^2f^2m^2z + 36 \\
& a^4b^2c^4e^2j^2k^2z + 36a^4b^2c^4d^2j^2l^2z - 216a^3c^6d^2f^2g^2j^2z + 7 \\
& 2a^3b^5c^2e^2g^2m^3z + 72a^3b^5c^2d^2h^2m^3z + 72a^3b^2c^5f^2h^2k^2z + 7 \\
& 2a^3b^2c^5f^2g^2l^2z + 36a^4b^2c^4g^2h^2j^2z + 18a^2b^4c^4e^2f^2m^2z + 9 \\
& a^2b^6c^2e^2g^2l^3z + 9a^2b^6c^2d^2h^2l^3z - 9a^2b^4c^4e^2h^2k^2z - 9a^2 \\
& b^4c^4e^2g^2l^2z + 216a^3c^6d^2e^2f^2j^2z - 144a^2b^2c^6d^3f^2m^2z + 108 \\
& a^3b^2c^5e^2g^2k^2z - 108a^3b^2c^5d^2g^2l^2z + 108a^2b^3c^5d^3f^2m^2z - \\
& 72a^4b^2c^4d^2h^2k^2z + 72a^2b^2c^6d^3h^2k^2z - 54a^2b^3c^5d^3h^2k^2z + \\
& 36a^4b^2c^4e^2g^2k^2z - 36a^2b^2c^6d^3g^2l^2z - 27a^2b^3c^5d^3g^2l^2z - \\
& 81a^2b^6c^2d^2e^2m^3z + 216a^4b^2c^4d^2e^2l^3z + 72a^2b^2c^6e^2f^2j^2z + \\
& 72a^2b^2c^6d^2e^2l^2z - 18a^2b^3c^5e^2f^2j^2z - 18a^2b^3c^5d^2e^2l^2z - \\
& 90a^2b^2c^6d^3f^2j^2z + 72a^2b^2c^6d^3e^2k^2z + 36a^3b^2c^5e^2g^2h^2z - \\
& 36a^2b^2c^6e^2g^2h^2z + 9a^2b^6c^2d^2e^2k^2z + 9a^2b^3c^5e^2g^2h^2z - 1 \\
& 80a^3b^2c^5d^2e^2j^2z + 18a^2b^2c^6d^3g^2h^2z - 9a^2b^5c^3d^2e^2j^2z + 1 \\
& 8a^2b^2c^6d^2e^2h^2z + 9a^2b^4c^4d^2e^2h^2z + 36a^2b^2c^6d^2e^2g^2z - 9a^2 \\
& b^3c^5d^2e^2g^2z - 18a^2b^2c^6d^2e^2f^2z + 27a^5b^2c^2h^2l^2m^2z - \\
& 27a^5b^2c^2j^2k^2l^2z + 27a^4b^3c^2h^2k^2m^2z + 27a^4b^3c^2g^2 \\
& l^2m^2z + 27a^5b^2c^2g^2k^2m^2z - 27a^4b^3c^2h^2k^2l^2z - 27a^4 \\
& b^3c^2g^2k^2m^2z - 135a^4b^2c^3e^2l^2m^2z + 27a^5b^2c^2e^2l^2 \\
& m^2z + 27a^4b^3c^2h^2j^2l^2z - 27a^4b^2c^3h^2j^2l^2z + 27a^3b^4 \\
& c^2e^2l^2m^2z - 270a^4b^3c^2f^2j^2m^2z - 270a^4b^2c^3f^2j^2m^2 \\
& z + 162a^3b^4c^2f^2j^2m^2z - 108a^3b^3c^3f^2j^2m^2z - 27a^4b^2 \\
& c^3h^2j^2k^2z - 27a^4b^2c^3g^2j^2l^2z + 27a^3b^3c^3e^2k^2m^2z \\
& + 27a^3b^3c^3d^2l^2m^2z + 27a^2b^5c^2f^2j^2m^2z + 162a^3b^3c^3 \\
& d^2k^2m^2z - 27a^4b^3c^2d^2k^2m^2z - 27a^4b^2c^3g^2j^2k^2z + 2 \\
& 7a^3b^3c^3g^2h^2m^2z - 27a^2b^5c^2d^2k^2m^2z + 162a^3b^2c^4d^2 \\
& k^2l^2z - 108a^4b^2c^3g^2h^2l^2z - 27a^4b^2c^3e^2j^2l^2z + 27a^3 \\
& b^4c^2g^2h^2l^2z + 27a^3b^2c^4e^2j^2l^2z - 27a^2b^4c^3d^2k^2 \\
& l^2z - 162a^3b^3c^3f^2h^2l^2z + 162a^3b^3c^3e^2h^2m^2z - 135a^4 \\
& b^2c^3e^2h^2m^2z + 135a^3b^2c^4f^2h^2l^2z + 27a^3b^4c^2e^2h^2m^2 \\
& z - 27a^3b^3c^3g^2h^2k^2z - 27a^3b^2c^4e^2j^2k^2z - 27a^3b^2 \\
& c^4d^2j^2l^2z + 27a^2b^5c^2f^2h^2l^2z - 27a^2b^5c^2e^2h^2m^2z \\
& - 27a^2b^4c^3f^2h^2l^2z - 27a^3b^2c^4g^2h^2j^2z + 27a^2b^3c^4 \\
& e^2g^2m^2z - 27a^2b^3c^4d^2j^2k^2z + 27a^2b^3c^4d^2h^2m^2z + 351 \\
& a^3b^2c^4d^2g^2m^2z - 189a^2b^4c^3d^2g^2m^2z + 162a^3b^3c^3d^2 \\
& g^2m^2z - 162a^3b^2c^4e^2g^2l^2z + 135a^3b^3c^3d^2h^2l^2z + 135 \\
& a^3b^2c^4f^2g^2k^2z - 27a^2b^5c^2d^2h^2l^2z - 27a^2b^5c^2d^2g^2 \\
& m^2z - 27a^2b^4c^3f^2g^2k^2z + 27a^2b^4c^3e^2g^2l^2z + 27a^2b^3 \\
& c^4f^2g^2k^2z + 27a^2b^3c^4e^2h^2k^2z + 135a^3b^2c^4e^2f^2l^2 \\
& z - 108a^3b^2c^4e^2g^2k^2z + 108a^2b^2c^5d^2g^2l^2z + 27a^3b^2 \\
& c^4e^2h^2j^2z + 27a^2b^4c^3e^2g^2k^2z - 27a^2b^4c^3e^2f^2l^2z \\
& - 27a^2b^3c^4e^2h^2j^2z - 27a^2b^2c^5e^2f^2l^2z - 27a^2b^2c^5 \\
& e^2g^2j^2z - 27a^2b^2c^5d^2h^2j^2z + 162a^2b^3c^4d^2e^2l^2z - 1 \\
& 35a^2b^2c^5d^2g^2j^2z - 27a^2b^3c^4d^2g^2j^2z + 27a^2b^3c^4d^2 \\
& f^2k^2z - 162a^2b^2c^5d^2e^2k^2z - 27a^2b^2c^5e^2f^2h^2z - 72a^7 \\
& c^2k^2l^2m^3z + 9a^5b^4k^2l^2m^3z + 72a^6c^3j^2k^2m^3z - 72a^6c^3 \\
& h^2k^2l^3z - 72a^6c^3f^2l^3m^3z - 72a^5c^4h^3k^2l^2z - 72a^5c^4h^3j^2 \\
& m^3z - 9a^4b^5h^2k^2m^3z - 9a^4b^5g^2l^2m^3z - 144a^6c^3f^2j^2m^3z - 1 \\
& 44a^5c^4h^2j^2k^2z - 144a^5c^4g^2j^2l^2z - 144a^5c^4f^2j^2m^3z - 144a^4 \\
& c^5f^2j^2m^3z + 72a^6c^3e^2k^2m^3z + 72a^6c^3d^2l^2m^3z + 72a^4c^6
\end{aligned}$$

$$\begin{aligned}
&5f^3k^1l^1z + 72a^6c^3g^*h^*m^3z + 18b^6c^3d^3j^*m^z - 18a^3b^6f^*j^* \\
&m^3z - 9b^6c^3d^3k^1l^1z + 9a^3b^6e^*k^*m^3z + 9a^3b^6d^*l^*m^3z + 1 \\
&44a^5c^4d^*k^3l^1z + 144a^3c^6d^3k^1l^1z - 72a^5c^4f^*j^*k^3z - 72a^ \\
&3c^6d^3j^*m^z + 9a^3b^6g^*h^*m^3z - 72a^5c^4g^*h^*k^3z - 72a^4c^5g^ \\
&^3h^*k^z - 72a^4c^5f^*g^3m^z - 108a^5b^*c^3j^4m^z + 63a^6b^2c^*j^*m^ \\
&4z + 36a^6b^*c^2k^1l^4z - 9a^5b^3c^*k^1l^4z - 144a^5c^4e^*g^*l^3z - \\
&144a^3c^6e^3g^*l^1z + 72a^5c^4d^*h^*l^3z + 72a^4c^5f^*h^3j^*z + 72a^ \\
&4c^5e^*h^3k^z + 72a^4c^5d^*h^3l^1z + 72a^3c^6e^3h^*k^z + 72a^3c^6e^ \\
&^3f^*m^z - 18b^5c^4d^3f^*m^z + 9b^5c^4d^3h^*k^z + 9b^5c^4d^3g^*l^ \\
&z - 9a^2b^7e^*g^*m^3z - 9a^2b^7d^*h^*m^3z + 144a^4c^5e^*g^*j^3z + 144 \\
&a^4c^5d^*h^*j^3z - 72a^5c^4d^*e^*m^3z - 72a^3c^6e^*f^3k^z - 72a^3c^ \\
&^6d^*f^3l^1z + 144a^6b^*c^2f^*m^4z - 108a^5b^3c^*f^*m^4z - 72a^3c^6f^ \\
&^3g^*h^z + 36a^5b^*c^3h^*k^4z - 36a^3b^*c^5f^4m^z + 18b^4c^5d^3f^*j^ \\
&^*z - 9b^4c^5d^3e^*k^z + 9a^4b^4c^*g^*l^4z - 144a^4c^5d^*e^*k^3z - 14 \\
&4a^2c^7d^3e^*k^z + 72a^2c^7d^3f^*j^z - 9b^4c^5d^3g^*h^z + 72a^3c^ \\
&^6d^*g^3h^z + 72a^2c^7d^3g^*h^z - 72a^5b^*c^3d^*l^4z - 72a^4b^*c^4f^ \\
&^*j^4z + 45a^*b^2c^6d^4l^1z - 36a^2b^*c^6e^4k^z - 9a^3b^5c^*d^*l^4z \\
&+ 9a^*b^3c^5e^4k^z - 72a^3c^6d^*e^*h^3z - 72a^2c^7d^*e^3h^z + 9b^3 \\
&c^6d^3e^*g^z + 72a^2c^7d^*e^*f^3z + 36a^3b^*c^5d^*h^4z - 9a^*b^2c^6e^ \\
&^4g^z + 36a^*b^c^7d^3f^2z + 90a^5b^2c^2j^3m^2z + 45a^5b^2c^2j^ \\
&j^2l^3z + 9a^4b^3c^2j^2k^3z - 9a^4b^3c^2h^3m^2z - 45a^4b^2c^ \\
&c^3g^3m^2z + 9a^3b^4c^2g^3m^2z + 198a^4b^3c^2f^2m^3z - 108a^ \\
&^3b^3c^3f^3m^2z + 18a^2b^5c^2f^3m^2z - 117a^4b^2c^3f^2l^3z \\
&+ 117a^3b^2c^4e^3m^2z + 63a^3b^4c^2f^2l^3z - 63a^2b^4c^3e^ \\
&^3m^2z - 171a^2b^3c^4d^3m^2z - 54a^3b^3c^3f^2k^3z + 9a^3b^2c^ \\
&c^4g^3j^2z + 9a^2b^5c^2f^2k^3z + 18a^3b^2c^4f^2j^3z + 18a^2 \\
&b^3c^4f^3j^2z - 9a^2b^4c^3f^2j^3z - 45a^2b^2c^5e^3j^2z + 9 \\
&a^2b^3c^4f^2h^3z - 9a^2b^2c^5f^2g^3z + 9a^*b^8d^*e^*m^3z - 36a^ \\
&*b^c^7d^4h^z - 108a^6c^3h^2l^*m^2z + 108a^6c^3j^*k^2l^2z - 108a^ \\
&6c^3g^*k^2m^2z - 108a^6c^3e^*l^2m^2z + 108a^5c^4h^2j^2l^1z + 108 \\
&a^5c^4e^2l^*m^2z + 216a^5c^4f^2j^*m^2z + 108a^5c^4h^2j^*k^2z + \\
&108a^5c^4g^2j^*l^2z + 108a^5c^4g^*j^2k^2z - 216a^4c^5d^2k^2l^1z \\
&+ 108a^5c^4e^*j^2l^2z - 108a^4c^5e^2j^2l^1z - 9a^6b^2c^*l^3m^2z \\
&+ 108a^5c^4e^*h^2m^2z - 108a^4c^5f^2h^2l^1z + 108a^4c^5e^2j^*k^ \\
&^2z + 108a^4c^5d^2j^*l^2z - 144a^6b^*c^2j^2m^3z + 108a^4c^5g^2* \\
&h^2j^*z - 27a^4b^4c^*j^3m^2z + 27a^4b^3c^2j^4m^z + 9a^5b^2c^2k^ \\
&^4l^1z + 216a^4c^5e^2g^*l^2z - 108a^4c^5f^2g^*k^2z - 108a^4c^5d^ \\
&^2g^*m^2z - 9a^4b^4c^*j^2l^3z - 108a^4c^5e^*h^2j^2z - 108a^4c^5e^ \\
&^*f^2l^2z + 108a^3c^6e^2f^2l^1z - 36a^5b^*c^3j^2k^3z + 36a^5b^*c^ \\
&^3h^3m^2z + 108a^3c^6e^2g^2j^*z + 108a^3c^6d^2h^2j^*z - 216a^5b^ \\
&*c^3f^2m^3z + 144a^4b^*c^4f^3m^2z + 108a^3c^6d^2g^*j^2z - 72a^3 \\
&b^5c^*f^2m^3z - 45a^5b^2c^2g^*l^4z - 9a^4b^3c^2h^*k^4z - 9a^3b^ \\
&^2c^4g^4l^1z + 9a^2b^3c^4f^4m^z + 216a^3c^6d^2e^*k^2z - 9a^2b^ \\
&6c^*f^2l^3z + 9a^*b^6c^2e^3m^2z + 108a^3c^6e^*f^2h^2z + 108a^3b^ \\
&*c^5d^3m^2z + 108a^2c^7d^2e^2j^*z + 72a^4b^*c^4f^2k^3z + 72a^*b^ \\
&5c^3d^3m^2z - 72a^3b^*c^5f^3j^2z + 54a^4b^3c^2d^*l^4z - 45a^4b^ \\
&b^2c^3e^*k^4z + 18a^3b^3c^3f^*j^4z + 9a^3b^4c^2e^*k^4z - 9a^2b^ \\
&^2c^5f^4j^*z - 108a^2c^7d^2f^2g^*z + 9a^3b^2c^4g^*h^4z + 9a^*b^4c^ \\
&^4e^3j^2z - 72a^2b^*c^6d^3j^2z + 54a^*b^3c^5d^3j^2z - 36a^3b^*c^ \\
&^5f^2h^3z - 9a^2b^3c^4d^*h^4z + 9a^2b^2c^5e^*g^4z + 9a^*b^2c^6e^ \\
&^3f^2z + 36a^7c^2l^3m^2z + 72a^6c^3j^3m^2z - 36a^6c^3j^2l^ \\
&^3z + 9a^4b^5j^2m^3z + 36a^5c^4g^3m^2z + 36a^5c^4f^2l^3z - 3 \\
&6a^4c^5e^3m^2z - 9b^7c^2d^3m^2z + 9a^2b^7f^2m^3z - 36a^4c^ \\
&5g^3j^2z + 72a^4c^5f^2j^3z + 36a^3c^6e^3j^2z - 9b^5c^4d^3j^ \\
&^2z + 36a^3c^6f^2g^3z - 9a^4b^2c^3j^5z - 36a^2c^7e^3f^2z - \\
&9b^3c^6d^3f^2z + 36a^7c^2j^*m^4z - 36a^6c^3k^4l^1z - 18a^5b^4* \\
&j^*m^4z + 36a^6c^3g^*l^4z + 36a^4c^5g^4l^1z + 18a^4b^5f^*m^4z - 9* \\
&b^4c^5d^4l^1z + 36a^5c^4e^*k^4z + 36a^3c^6f^4j^*z - 36a^2c^7d^4* \\
&l^1z - 36a^4c^5g^*h^4z + 9b^3c^6d^4h^z - 36a^3c^6e^*g^4z + 36a^2c^
\end{aligned}$$

$$\begin{aligned}
& c^7e^4gz - 9b^2c^7d^4ez - 36a^7b^3cm^5z + 36a^8c^8d^4ez + 9a^6b^3m^5z + 36a^5c^4j^5z + 9a^4b^3c^3g^3h^3j^3k^3l^3m - 9a^3b^4c^3e^3g^3j^3k^3l^3m - 9a^3b^4c^3d^3h^3j^3k^3l^3m - 9a^3b^4c^3f^3g^3h^3k^3l^3m + 36a^4b^3c^3d^3e^3j^3k^3l^3m + 9a^2b^5c^3d^3e^3j^3k^3l^3m + 36a^4b^3c^3e^3f^3h^3j^3l^3m + 36a^4b^3c^3e^3f^3g^3k^3l^3m + 36a^4b^3c^3d^3f^3h^3k^3l^3m + 9a^2b^5c^3e^3f^3g^3k^3l^3m + 9a^2b^5c^3d^3f^3h^3k^3l^3m + 36a^3b^3c^4d^3e^3f^3j^3k^3l^3m + 9a^3b^5c^2d^3e^3f^3j^3k^3l^3m + 36a^3b^3c^4d^3e^3g^3h^3k^3l^3m + 36a^3b^3c^4d^3e^3f^3h^3k^3m + 36a^3b^3c^4d^3e^3f^3g^3l^3m + 9a^3b^5c^2d^3e^3f^3h^3k^3m + 9a^3b^5c^2d^3e^3f^3g^3l^3m - 9a^3b^4c^3d^3e^3f^3h^3j^3k - 9a^3b^4c^3d^3e^3f^3g^3j^3l - 9a^3b^4c^3d^3e^3f^3g^3h^3m + 9a^3b^3c^4d^3e^3f^3g^3h^3j - 9a^3b^6c^3d^3e^3f^3k^3l^3m + 18a^4b^2c^2e^3g^3j^3k^3l^3m + 18a^4b^2c^2d^2h^3j^3k^3l^3m + 18a^4b^2c^2f^3g^3h^3k^3l^3m - 36a^3b^3c^2d^3e^3j^3k^3l^3m - 36a^3b^3c^2e^3f^3g^3k^3l^3m - 36a^3b^3c^2d^3f^3h^3k^3l^3m + 9a^3b^3c^2f^3g^3h^3j^3k^3l^3m + 9a^3b^3c^2e^3g^3h^3j^3k^3m + 9a^3b^3c^2d^3g^3h^3j^3l^3m - 108a^3b^2c^3d^3e^3f^3k^3l^3m + 54a^2b^4c^2d^3e^3f^3k^3l^3m - 36a^3b^2c^3d^3f^3g^3j^3k^3m + 18a^3b^2c^3e^3f^3g^3j^3k^3l^3m + 18a^3b^2c^3d^3f^3h^3j^3k^3l^3m + 18a^3b^2c^3d^3e^3h^3j^3k^3m + 18a^3b^2c^3d^3e^3g^3j^3l^3m - 9a^2b^4c^2e^3f^3g^3j^3k^3l^3m - 9a^2b^4c^2d^3f^3h^3j^3k^3l^3m - 9a^2b^4c^2d^3e^3g^3j^3l^3m + 18a^3b^2c^3e^3f^3g^3h^3k^3m + 18a^3b^2c^3d^3f^3g^3h^3l^3m - 9a^2b^4c^2e^3f^3g^3h^3k^3m - 9a^2b^4c^2d^3f^3g^3h^3l^3m - 36a^2b^3c^3d^3e^3f^3j^3k^3l^3m - 36a^2b^3c^3d^3e^3f^3h^3k^3m - 36a^2b^3c^3d^3e^3f^3g^3l^3m + 9a^2b^3c^3e^3f^3g^3h^3j^3k + 9a^2b^3c^3d^3f^3g^3h^3j^3l + 9a^2b^3c^3d^3e^3g^3h^3j^3m + 18a^2b^2c^4d^3e^3f^3h^3j^3k + 18a^2b^2c^4d^3e^3f^3g^3j^3l + 18a^2b^2c^4d^3e^3f^3g^3h^3m - 9a^5b^2c^3h^3j^3k^2l^3m - 9a^5b^2c^3g^3j^3k^2l^3m + 27a^5b^2c^3f^3j^3k^2l^3m - 9a^4b^3c^3f^3j^2k^2l^3m + 9a^3b^4c^3f^2j^3k^2l^3m - 18a^5b^2c^2e^3j^3k^2l^3m - 9a^5b^2c^3g^3h^3k^2l^3m + 9a^4b^3c^3e^3j^3k^2l^3m - 18a^5b^2c^2f^3h^3k^2l^3m - 18a^5b^2c^2d^3j^3k^2l^3m + 9a^4b^3c^3f^3h^3k^2l^3m + 9a^4b^3c^3d^3j^3k^2l^3m + 36a^5b^2c^2e^3h^3k^2l^3m - 36a^4b^3c^3e^2h^3k^2l^3m + 18a^5b^2c^2f^3h^3j^3l^2m - 18a^5b^2c^2f^3g^3k^2l^3m - 18a^4b^3c^3e^3h^3k^2l^3m + 9a^4b^3c^3f^3g^3k^2l^3m + 9a^3b^4c^3e^3h^2k^2l^3m - 9a^2b^5c^3e^2h^3k^2l^3m - 54a^5b^2c^2e^3h^3j^3l^2m - 18a^5b^2c^2e^3g^3k^2l^3m - 18a^5b^2c^2d^3h^3k^2l^3m + 18a^4b^3c^3e^3h^3j^3l^2m - 9a^4b^3c^3f^3h^3j^3k^2m - 9a^4b^3c^3d^3e^3g^3j^3l^2m + 18a^4b^3c^3f^3g^3j^3l^2m + 9a^4b^3c^3d^3h^3k^2l^3m + 18a^4b^3c^3f^3g^2j^3k^2m - 18a^4b^3c^3e^3g^2j^3l^2m + 18a^3b^4c^3d^3g^3k^2l^3m - 9a^3b^4c^3e^3f^3k^2l^3m - 9a^2b^5c^3d^3g^2k^2l^3m - 18a^4b^3c^3f^3g^2h^3l^3m - 18a^4b^3c^3d^3h^2j^3k^2m - 9a^3b^4c^3d^3f^3k^2l^3m - 54a^4b^3c^3d^3g^3j^2k^2m - 18a^4b^3c^3f^3g^3h^2k^2m - 18a^4b^3c^3e^3g^3j^2k^2l^3m - 18a^4b^3c^3d^3h^3j^2k^2l^3m - 18a^3b^4c^3d^3g^3j^3k^2m + 9a^3b^4c^3e^3f^3j^3k^2m + 9a^3b^4c^3d^3f^3j^3l^2m - 9a^3b^4c^3d^3e^3k^2l^3m - 54a^3b^3c^4d^2f^3j^3k^2m + 36a^4b^3c^3d^3g^3j^3k^2l - 36a^3b^3c^4d^2g^3j^3k^2l - 18a^4b^3c^3e^3f^3j^3k^2l + 18a^4b^3c^3d^3f^3j^3k^2m - 18a^3b^3c^4d^2e^3j^3l^3m + 9a^3b^4c^3f^3g^3h^3j^3m^2 - 9a^3b^5c^2d^2g^3j^3k^2l + 36a^4b^3c^3d^3g^3h^3k^2m - 36a^3b^3c^4d^2g^3h^3k^2m + 18a^4b^3c^3e^3g^3h^3k^2l - 18a^4b^3c^3e^3f^3h^3k^2m - 18a^4b^3c^3d^3f^3j^3k^2l - 18a^3b^3c^4d^2f^3h^3l^3m - 18a^3b^3c^4d^3e^2j^3k^2m - 9a^3b^5c^2d^2g^3h^3k^2m - 54a^4b^3c^3d^3g^3h^3k^2l - 54a^3b^3c^4e^2f^3h^3j^3m - 18a^4b^3c^3d^3f^3g^3l^2m - 18a^3b^3c^4e^2f^3g^3k^2m - 54a^4b^3c^3d^3f^3g^3k^2m - 36a^4b^3c^3e^3f^3g^3j^3m^2 - 36a^4b^3c^3d^3f^3h^3j^3m^2 + 36a^3b^3c^4e^3f^2g^3j^3m + 36a^3b^3c^4d^3f^2h^3j^3m - 18a^4b^3c^3d^3e^3h^3k^2m - 18a^4b^3c^3d^3e^3g^3l^3m^2 + 18a^3b^3c^4e^3f^2h^3j^3l - 18a^3b^3c^4e^3f^2g^3k^2l - 18a^3b^3c^4d^3f^2h^3k^2l + 18a^3b^3c^4d^3f^2g^3k^2m - 9a^2b^5c^3e^3f^3g^3j^3m^2 - 9a^2b^5c^3d^3f^3h^3j^3m^2 - 54a^3b^3c^4d^3f^3g^2j^3m - 18a^3b^3c^4e^3f^3g^2j^3l - 18a^3b^4c^3d^2f^3g^3j^3m + 9a^3b^4c^3d^2g^3h^3j^3k + 9a^3b^4c^3d^2f^3g^3k^2l + 9a^3b^4c^3d^2e^3g^3k^2m - 9a^3b^4c^3d^2e^3f^3l^3m - 18a^3b^3c^4e^3f^3g^2h^3m - 18a^3b^3c^4d^3f^3h^2j^3k - 9a^3b^4c^3d^2e^2f^3k^2m + 18a^3b^3c^4d^3f^3g^3j^2k - 18a^3b^3c^4d^3f^3g^3h^2m - 18a^3b^3c^4d^3e^3h^3j^2k - 18a^3b^3c^4d^3e^3g^3j^2l + 18a^3b^4c^3d^3e^3f^2j^3m - 9a^3b^5c^2d^3e^3f^3j^2m - 9a^3b^4c^3d^3e^3f^2k^2l - 18a^2b^3c^5d^2e^3f^3j^3l - 9a^3b^3c^4d^2e^3g^3j^3k + 9a^3b^3c^4d^2e^3f^3j^3l - 54a^2b^3c^5d^2e^3g^3h^3l - 18a^2b^3c^5d^2e^3f^3h^3m - 18a^2b^3c^5d^2e^2f^3j^3k + 18a^3b^3c^4d^2e^3g^3h^3l - 9a^3b^3c^4d^2e^3f^3h^3k + 9a^3b^3c^4d^2e^3f^3h^3m + 9a^3b^3c^4d^2e^2f^3j^3k
\end{aligned}$$

$$\begin{aligned}
& k - 36a^3b^3c^4d^2e^2f^2h^2 + 36a^2b^3c^5d^2e^2f^2h^2 + 18a^2b^3c^5d^2e^2f^2g^2h^2k - 18a^2b^3c^5d^2e^2f^2g^2m - 18a^2b^3c^4d^2e^2f^2h^2k - 9a^2b^5c^2d^2e^2f^2h^2 + 9a^2b^4c^3d^2e^2f^2h^2 + 9a^2b^3c^4d^2e^2f^2g^2m - 18a^2b^3c^5d^2e^2f^2h^2k - 18a^2b^3c^5d^2e^2f^2g^2k + 9a^2b^3c^4d^2e^2f^2h^2k + 9a^2b^3c^4d^2e^2f^2g^2k + 27a^2b^2c^5d^2e^2f^2g^2k + 9a^2b^4c^3d^2e^2f^2g^2k^2 - 9a^2b^3c^4d^2e^2f^2g^2k - 9a^2b^2c^5d^2e^2f^2h^2j - 9a^2b^2c^5d^2e^2f^2g^2j - 9a^2b^2c^5d^2e^2f^2g^2h + 72a^4c^4d^2f^2g^2j^2k^2m + 72a^4c^4d^2e^2f^2k^2l^2m + 9a^2b^6c^2d^2g^2k^2l^2m + 9a^2b^6c^2d^2e^2f^2j^2m^2 - 27a^4b^2c^2f^2j^2k^2l^2m - 9a^4b^2c^2g^2h^2j^2l^2m + 36a^3b^3c^2e^2h^2k^2l^2m - 18a^4b^2c^2e^2h^2k^2l^2m - 9a^4b^2c^2g^2h^2j^2k^2l^2m + 18a^4b^2c^2f^2h^2j^2k^2l^2m + 18a^4b^2c^2f^2g^2j^2l^2m - 18a^4b^2c^2e^2h^2j^2l^2m - 9a^4b^2c^2g^2h^2j^2k^2l - 9a^3b^3c^2f^2h^2j^2k^2l - 9a^3b^3c^2f^2g^2j^2l^2m - 63a^4b^2c^2d^2g^2k^2l^2m + 63a^3b^2c^3d^2g^2k^2l^2m - 45a^2b^4c^2d^2g^2k^2l^2m + 36a^4b^2c^2e^2f^2k^2l^2m + 27a^3b^3c^2d^2g^2k^2l^2m - 9a^4b^2c^2f^2h^2j^2k^2l - 9a^4b^2c^2e^2h^2j^2k^2l + 9a^3b^3c^2e^2g^2j^2l^2m - 9a^3b^2c^3d^2h^2j^2l^2m + 36a^4b^2c^2d^2f^2k^2l^2m + 27a^4b^2c^2e^2h^2j^2k^2l^2 - 27a^3b^2c^3e^2h^2j^2k^2l - 18a^3b^2c^3e^2f^2j^2l^2m - 9a^4b^2c^2f^2g^2j^2k^2l^2 - 9a^4b^2c^2d^2g^2j^2l^2m + 9a^3b^3c^2f^2g^2h^2l^2m - 9a^3b^3c^2e^2h^2j^2k^2l + 9a^3b^3c^2d^2h^2j^2k^2l - 9a^3b^2c^3e^2g^2j^2k^2l + 9a^2b^4c^2e^2h^2j^2k^2l + 72a^4b^2c^2d^2g^2j^2k^2m^2 + 36a^4b^2c^2d^2e^2k^2l^2m^2 + 27a^4b^2c^2e^2g^2h^2l^2m - 27a^4b^2c^2e^2f^2j^2k^2m^2 - 27a^4b^2c^2d^2f^2j^2l^2m^2 - 27a^3b^2c^3e^2g^2h^2l^2m + 27a^3b^2c^3e^2f^2j^2k^2m + 27a^3b^2c^3d^2f^2j^2l^2m + 18a^3b^3c^2d^2g^2j^2k^2m + 9a^3b^3c^2f^2g^2h^2k^2m + 9a^3b^3c^2e^2g^2j^2k^2l - 9a^3b^3c^2e^2g^2h^2l^2m - 9a^3b^3c^2e^2f^2j^2k^2m + 9a^3b^3c^2d^2h^2j^2k^2l - 9a^3b^3c^2d^2f^2j^2l^2m + 9a^2b^4c^2e^2g^2h^2l^2m + 36a^2b^3c^3d^2g^2j^2k^2l - 27a^4b^2c^2f^2g^2h^2j^2m^2 + 27a^3b^2c^3f^2g^2h^2j^2m - 18a^4b^2c^2e^2f^2h^2l^2m^2 - 18a^3b^3c^2d^2g^2j^2k^2l - 18a^3b^2c^3d^2g^2j^2k^2l + 18a^2b^3c^3d^2f^2j^2k^2m - 9a^4b^2c^2e^2g^2h^2k^2m^2 - 9a^4b^2c^2d^2g^2h^2l^2m^2 - 9a^3b^3c^2f^2g^2h^2j^2m + 9a^3b^3c^2e^2f^2j^2k^2l - 9a^3b^2c^3f^2g^2h^2k^2l + 9a^2b^4c^2d^2g^2j^2k^2l + 9a^2b^3c^3d^2e^2j^2l^2m + 36a^3b^2c^3e^2f^2g^2l^2m + 36a^2b^3c^3d^2g^2h^2k^2m - 18a^3b^3c^2d^2g^2h^2k^2m - 18a^3b^2c^3d^2g^2h^2k^2m + 9a^3b^3c^2e^2f^2h^2k^2m + 9a^3b^3c^2d^2f^2j^2k^2l - 9a^3b^2c^3f^2g^2h^2j^2l - 9a^3b^2c^3e^2g^2h^2j^2m - 9a^2b^4c^2e^2f^2g^2l^2m + 9a^2b^4c^2d^2g^2h^2k^2m + 9a^2b^3c^3d^2f^2h^2l^2m + 9a^2b^3c^3d^2e^2j^2k^2m + 36a^3b^2c^3d^2f^2h^2k^2m + 36a^3b^2c^3d^2e^2j^2k^2l + 18a^3b^3c^2d^2g^2h^2k^2l + 18a^3b^2c^3e^2g^2h^2j^2l + 18a^3b^2c^3e^2f^2h^2k^2l - 18a^3b^2c^3e^2f^2h^2j^2m - 18a^3b^2c^3d^2g^2h^2k^2l + 18a^3b^2c^3d^2e^2h^2l^2m + 18a^2b^3c^3e^2f^2h^2j^2m - 9a^3b^3c^2e^2g^2h^2j^2l - 9a^3b^3c^2e^2f^2h^2k^2l + 9a^3b^3c^2d^2f^2g^2l^2m - 9a^3b^3c^2d^2e^2h^2l^2m - 9a^3b^2c^3f^2g^2h^2j^2k - 9a^3b^2c^3d^2g^2h^2j^2m - 9a^2b^4c^2d^2f^2h^2k^2m - 9a^2b^4c^2d^2e^2j^2k^2l - 9a^2b^3c^3e^2g^2h^2j^2l - 9a^2b^3c^3e^2f^2h^2k^2l + 9a^2b^3c^3e^2f^2g^2k^2m - 9a^2b^3c^3d^2e^2h^2l^2m + 36a^3b^3c^2e^2f^2g^2j^2m^2 + 36a^3b^3c^2d^2f^2h^2j^2m^2 + 18a^3b^3c^2d^2f^2g^2k^2m^2 - 18a^3b^2c^3e^2f^2g^2j^2m - 18a^3b^2c^3d^2f^2h^2j^2m - 18a^2b^3c^3e^2f^2g^2j^2m - 18a^2b^3c^3d^2f^2h^2j^2m + 9a^3b^3c^2d^2e^2h^2k^2m^2 + 9a^3b^3c^2d^2e^2g^2l^2m^2 - 9a^3b^2c^3e^2g^2h^2j^2k - 9a^3b^2c^3d^2g^2h^2j^2l + 9a^2b^4c^2e^2f^2g^2j^2m + 9a^2b^4c^2d^2f^2h^2j^2m + 9a^2b^3c^3e^2f^2g^2k^2l + 9a^2b^3c^3d^2f^2h^2k^2l + 72a^2b^2c^4d^2f^2g^2j^2m + 36a^2b^2c^4d^2e^2f^2l^2m + 27a^3b^2c^3d^2g^2h^2j^2k^2 + 27a^3b^2c^3d^2f^2g^2k^2l + 27a^3b^2c^3d^2e^2g^2k^2m - 27a^2b^2c^4d^2g^2h^2j^2k - 27a^2b^2c^4d^2f^2g^2k^2l - 27a^2b^2c^4d^2e^2g^2k^2m + 18a^2b^3c^3d^2f^2g^2j^2m - 18a^2b^2c^4d^2e^2h^2k^2l - 9a^3b^2c^3e^2f^2h^2j^2k^2 + 9a^2b^3c^3e^2f^2g^2j^2l - 9a^2b^3c^3d^2g^2h^2j^2k - 9a^2b^3c^3d^2f^2g^2h^2j^2k - 9a^2b^3c^3d^2e^2g^2k^2m - 9a^2b^2c^4d^2f^2h^2j^2l - 9a^2b^2c^4d^2e^2h^2j^2m + 36a^2b^2c^4d^2e^2f^2k^2m - 27a^3b^2c^3d^2e^2h^2j^2l^2 + 27a^2b^2c^4d^2e^2h^2j^2l - 18a^3b^2c^3d^2e^2g^2k^2l^2 - 9a^3b^2c^3d^2f^2g^2j^2l^2 + 9a^2b^4c^2d^2e^2h^2j^2l^2 + 9a^2b^3c^3e^2f^2g^2h^2m + 9a^2b^3c^3d^2f^2h^2j^2k - 9a^2b^3c^3d^2e^2h^2j^2l - 9
\end{aligned}$$

$$\begin{aligned}
& a^2b^2c^4e^2fg^*jk - 9a^2b^2c^4d^*e^2g^*jm + 63a^3b^2c^3d^*e^*f^* \\
& jm^2 - 63a^2b^2c^4d^*e^*f^2jm - 45a^2b^4c^2d^*e^*f^*jm^2 + 36a^2b^ \\
& 2c^4d^*e^*f^2k^*l - 27a^3b^2c^3e^*f^*g^*h^*l^2 + 27a^2b^3c^3d^*e^*f^*j^2m \\
& + 27a^2b^2c^4e^2fg^*h^*l + 9a^2b^4c^2e^*f^*g^*h^*l^2 - 9a^2b^3c^3e^ \\
& *f^*g^*h^2*l + 9a^2b^3c^3d^*f^*g^*h^2*m + 9a^2b^3c^3d^*e^*h^*j^2*k + 9a^2* \\
& b^3c^3d^*e^*g^*j^2*l + 18a^2b^2c^4d^*e^*g^2*j^*k - 9a^3b^2c^3d^*e^*g^*h^*m^ \\
& 2 - 9a^2b^3c^3d^*e^*g^*j^*k^2 - 9a^2b^2c^4e^*f^2*g^*h^*k - 9a^2b^2c^4d^ \\
& *f^2*g^*h^*l + 18a^2b^2c^4d^*f^*g^2*h^*k - 18a^2b^2c^4d^*e^*g^2*h^*l - 9a^ \\
& 2b^3c^3d^*f^*g^*h^*k^2 - 9a^2b^2c^4e^*f^*g^2*h^*j + 36a^2b^3c^3d^*e^*f^*h^* \\
& l^2 - 18a^2b^2c^4d^*e^*f^*h^2*l - 9a^2b^2c^4d^*f^*g^*h^2*j - 9a^2b^2c^ \\
& 4d^*e^*g^*h^*j^2 - 27a^2b^2c^4d^*e^*f^*g^*k^2 + 18a^2b^2c^4d^2*f^*h^*k^2 - 9 \\
& a^2b^3c^3e^*f^*g^2*k^2 - 9a^2b^2c^4e^2*f^*h^*j^2 - 9a^2b^2c^4d^*f^2* \\
& h^2*k + 45a^2b^3c^3d^*e^*f^2*m^2 + 36a^2b^2c^4d^2*e^*g^*l^2 + 9a^2b^3 \\
& c^3d^*e^*g^2*l^2 + 9a^2b^2c^4e^*f^2*g^*j^2 + 9a^2b^2c^4d^*f^2*h^*j^2 - \\
& 9a^2b^2c^4d^*e^2*h^*k^2 - 36a^2b^2c^4d^*e^2*f^*l^2 - 9a^2b^2c^4d^*f^* \\
& g^2*j^2 - 12a^6*b*c^*h^*k^*l^3*m + 3a^*b^6*c^*e^3*k^*l^*m + 3a^*b^6*c^*d^*e^*f^*l^3 \\
& - 12a^*b^*c^6*d^*e^3*f^*h + 9a^5*b^2*c^*h^2*k^*l^2*m + 18a^5*b^*c^2*g^2*k^2*l^*m \\
& - 9a^5*b^2*c^*h^2*j^*l^*m^2 + 9a^5*b^*c^2*h^2*j^2*l^*m - 9a^4*b^3*c^*g^2*k^2* \\
& l^*m - 3a^4*b^2*c^2*g^3*k^*l^*m + 18a^5*b^*c^2*f^2*k^*l^*m^2 + 15a^3*b^3*c^2*f^ \\
& ^3*k^*l^*m + 9a^5*b^2*c^*h^*j^2*k^*m^2 + 9a^5*b^2*c^*g^*j^2*l^*m^2 - 9a^5*b^2*c^* \\
& f^*k^2*l^2*m + 9a^5*b^*c^2*h^2*j^*k^2*m + 9a^5*b^*c^2*g^2*j^*l^2*m - 9a^4*b^3 \\
& *c^*f^2*k^*l^*m^2 + 36a^3*b^2*c^3*e^3*k^*l^*m - 27a^5*b^*c^2*g^2*j^*k^*m^2 - 18a^ \\
& ^5*b^*c^2*h^2*j^*k^*l^2 - 18a^2b^4c^2e^3k^*l^*m - 9a^5b^2c^*g^*j^*k^2*m^2 - \\
& 9a^5b^2c^*e^*k^2*l^*m^2 + 9a^5b^*c^2*h^*j^2*k^2*l + 9a^5b^*c^2*g^*j^2*k^2* \\
& m + 9a^4b^3c^*g^2*j^*k^*m^2 + 9a^3b^4c^*e^2*k^*l^2*m + 3a^4b^2c^2h^3j \\
& *k^*l - 54a^4b^*c^3*d^2*k^2*l^*m - 51a^2b^3c^3d^3k^*l^*m - 27a^4b^*c^3e^ \\
& ^2*j^2*l^*m - 18a^5b^*c^2*g^*h^2*l^2*m - 9a^5b^2c^*e^*j^*l^2*m^2 - 9a^5b^2 \\
& *c^*d^*k^*l^2*m^2 + 9a^5b^*c^2*g^2*h^*l^*m^2 + 9a^5b^*c^2*g^*j^2*k^*l^2 + 9a^5* \\
& b^*c^2*e^*j^2*l^2*m - 9a^3b^4c^*e^2*j^*l^*m^2 - 9a^2b^5c^*d^2*k^2*l^*m + 3a^ \\
& ^4b^2c^2g^*h^3*l^*m - 3a^3b^3c^2g^3j^*k^*l + 18a^5b^*c^2*e^*j^2*k^*m^2 + \\
& 18a^5b^*c^2*d^*j^2*l^*m^2 + 18a^4b^*c^3*f^2*j^2*k^*l + 9a^5b^*c^2*g^*h^2*k^* \\
& m^2 + 9a^5b^*c^2*f^*h^2*l^*m^2 + 9a^5b^*c^2*f^*j^*k^2*l^2 - 9a^4b^3c^*e^*j^2 \\
& *k^*m^2 - 9a^4b^3c^*d^*j^2*l^*m^2 + 9a^4b^2c^2f^*j^3*k^*l + 9a^4b^2c^2* \\
& e^*j^3*k^*m + 9a^4b^2c^2d^*j^3*l^*m + 9a^4b^*c^3*f^2*h^2*l^*m + 9a^4b^*c^3 \\
& *e^2*j^*k^2*m + 9a^4b^*c^3*d^2*j^*l^2*m - 3a^3b^3c^2g^3h^*k^*m - 3a^3b^ \\
& 2c^3f^3j^*k^*l + 3a^2b^4c^2f^3j^*k^*l + 45a^4b^*c^3*d^2*j^*k^*m^2 - 27a^ \\
& ^5b^*c^2*d^*j^*k^2*m^2 + 18a^5b^*c^2*g^*h^*j^2*m^2 + 18a^4b^*c^3*e^2*j^*k^*l^2 \\
& + 15a^2b^3c^3e^3j^*k^*l - 12a^3b^2c^3f^3h^*k^*m - 12a^3b^2c^3f^3* \\
& g^*l^*m + 9a^5b^*c^2*g^*h^*k^2*l^2 - 9a^4b^3c^*g^*h^*j^2*m^2 + 9a^4b^3c^*d^*j \\
& *k^2*m^2 + 9a^4b^2c^2g^*h^*j^3*m + 9a^4b^*c^3g^2h^2k^*l + 9a^4b^*c^3* \\
& g^2h^2j^*m + 9a^2b^5c^*d^2*j^*k^*m^2 + 3a^2b^4c^2f^3h^*k^*m + 3a^2b^4 \\
& *c^2f^3g^*l^*m + 36a^2b^2c^4d^3j^*k^*l + 18a^4b^*c^3e^2g^*l^2*m + 15a^ \\
& ^2b^3c^3e^3g^*l^*m + 12a^4b^2c^2d^*j^*k^3*l + 9a^5b^*c^2*f^*g^*k^2*m^2 + \\
& 9a^5b^*c^2*e^*h^*k^2*m^2 + 9a^4b^*c^3g^2h^*j^2*l + 9a^4b^*c^3f^2h^*k^2* \\
& l + 9a^4b^*c^3f^2g^*k^2*m + 9a^4b^*c^3d^2h^*l^*m^2 - 9a^3b^3c^2e^*h^3 \\
& *k^*m + 6a^2b^3c^3e^3h^*k^*m + 45a^4b^*c^3e^2h^*j^*m^2 + 36a^2b^2c^4* \\
& d^3h^*k^*m - 33a^3b^2c^3d^*g^3*l^*m - 27a^4b^*c^3f^2h^*j^*l^2 - 27a^4b^* \\
& c^3e^2f^*l^*m^2 - 27a^4b^*c^3e^*h^2*j^2*m - 18a^4b^*c^3g^2h^*j^*k^2 - 18* \\
& a^4b^*c^3f^*g^2*k^2*l - 18a^4b^*c^3e^*g^2*k^2*m - 18a^3b^*c^4d^2g^2*l^*m \\
& + 12a^4b^2c^2d^*h^*k^3*m + 9a^5b^*c^2*e^*f^*l^2*m^2 + 9a^5b^*c^2*d^*g^*l^2 \\
& *m^2 + 9a^4b^*c^3f^2g^*k^*l^2 + 9a^4b^*c^3e^2g^*k^*m^2 + 9a^4b^*c^3g^*h^ \\
& 2*j^2*k + 9a^4b^*c^3f^*h^2*j^2*l + 9a^4b^*c^3e^*f^2*l^2*m - 9a^3b^4c^*e \\
& *h^2*j^*m^2 + 9a^3b^*c^4e^2f^2*l^*m + 9a^2b^5c^*e^2h^*j^*m^2 + 9a^2b^4* \\
& c^2d^*g^3*l^*m - 9a^2b^2c^4d^3g^*l^*m - 9a^*b^5c^2d^2g^2*l^*m - 6a^4b^ \\
& ^2c^2e^*h^*k^3*l - 6a^3b^2c^3f^*g^3*j^*m + 3a^4b^2c^2g^*h^*j^*k^3 + 3a^ \\
& 4b^2c^2f^*g^*k^3*l + 3a^4b^2c^2e^*g^*k^3*m + 3a^3b^2c^3g^3h^*j^*k + 3 \\
& *a^3b^2c^3f^*g^3*k^*l + 3a^3b^2c^3e^*g^3*k^*m - 27a^3b^*c^4d^2h^2k^*l \\
& + 18a^4b^*c^3e^*f^2*k^*m^2 + 18a^4b^*c^3d^*f^2*l^*m^2 + 9a^4b^*c^3f^*h^2* \\
& j^*k^2 + 9a^4b^*c^3f^*g^2*j^*l^2 + 9a^4b^*c^3e^*g^2*k^*l^2 + 9a^4b^*c^3d^*h
\end{aligned}$$

$$\begin{aligned}
& ^2k^2l + 9a^3b^4c^*e^*g^*j^2m^2 + 9a^3b^4c^*d^*h^*j^2m^2 - 9a^3b^3c^2e^*g^*j^3m - 9a^3b^3c^2d^*h^*j^3m + 9a^3b^*c^4e^2g^2k^l + 9a^3b^*c^4e^2g^2j^m + 9a^3b^*c^4d^2h^2j^m - 3a^2b^3c^3f^3h^*j^*k - 3a^2b^3c^3f^3g^*j^*l - 3a^2b^3c^3e^*f^3k^*m - 3a^2b^3c^3d^*f^3l^*m + 45a^4b^*c^3d^*g^2j^*m^2 + 45a^3b^*c^4d^2g^*j^2m + 24a^4b^2c^2d^*g^*k^l^3 + 24a^2b^2c^4e^3f^*j^*m + 18a^4b^*c^3f^2g^*h^*m^2 + 18a^4b^*c^3d^*h^2j^*l^2 + 18a^3b^*c^4e^2h^2j^*k - 12a^4b^2c^2e^*g^*j^*l^3 - 12a^4b^2c^2e^*f^*k^*l^3 - 12a^4b^2c^2d^*e^*l^3m - 12a^2b^2c^4e^3g^*j^*l - 12a^2b^2c^4e^3f^*k^*l - 12a^2b^2c^4d^*e^3l^*m + 9a^4b^*c^3f^*g^*j^2k^2 + 9a^4b^*c^3e^*h^*j^2k^2 + 9a^3b^2c^3e^*h^3j^*k + 9a^3b^2c^3d^*h^3j^*l + 9a^3b^*c^4f^2g^2j^*k + 9a^3b^*c^4d^2h^*j^2l + 9a^2b^5c^*d^*g^2j^*m^2 + 9a^*b^5c^2d^2g^*j^2m - 3a^4b^2c^2d^*h^*j^*l^3 - 3a^2b^3c^3f^3g^*h^*m - 3a^2b^2c^4e^3h^*j^*k + 18a^4b^*c^3f^*g^*h^2l^2 + 18a^3b^*c^4e^2g^*h^2m + 18a^3b^*c^4d^2h^*j^*k^2 + 18a^3b^*c^4d^2f^*k^2l + 18a^3b^*c^4d^2e^*k^2m + 9a^4b^*c^3e^*g^2h^*m^2 + 9a^4b^*c^3e^*f^*j^2l^2 + 9a^4b^*c^3d^*g^*j^2l^2 + 9a^3b^2c^3f^*g^*h^3l + 9a^3b^2c^3e^*g^*h^3m + 9a^3b^*c^4f^2g^2h^*l + 9a^3b^*c^4e^2g^*j^2k + 9a^3b^*c^4e^2f^*j^2l - 9a^2b^3c^3d^*g^3j^*l + 9a^*b^4c^3d^2g^2j^*l - 3a^4b^2c^2f^*g^*h^*l^3 - 3a^3b^3c^2e^*g^*j^*k^3 - 3a^3b^3c^2d^*h^*j^*k^3 - 3a^3b^3c^2d^*f^*k^3l - 3a^3b^3c^2d^*e^*k^3m - 3a^2b^2c^4e^3g^*h^*m - 33a^3b^2c^3d^*e^*j^3m - 27a^4b^*c^3e^*f^*h^2m^2 - 27a^3b^*c^4d^2e^*k^*l^2 - 18a^4b^*c^3d^*e^*j^2m^2 - 18a^3b^*c^4e^*f^2j^2k - 18a^3b^*c^4d^*f^2j^2l - 9a^4b^2c^2d^*e^*j^*m^3 + 9a^4b^*c^3d^*g^*h^2m^2 + 9a^4b^*c^3d^*e^*k^2l^2 + 9a^3b^*c^4f^2g^*h^2k + 9a^3b^*c^4e^2f^*j^*k^2 + 9a^3b^*c^4d^2f^*j^*l^2 + 9a^3b^*c^4e^*f^2h^2m + 9a^3b^*c^4d^*e^2k^2l - 9a^2b^5c^*d^*e^*j^2m^2 + 9a^2b^4c^2d^*e^*j^3m - 9a^2b^3c^3d^*g^3h^*m + 9a^2b^3c^5d^2e^2k^*l + 9a^2b^3c^5d^2e^2j^*m + 9a^*b^4c^3d^2g^2h^*m - 6a^3b^2c^3d^*g^*j^3k - 3a^3b^3c^2f^*g^*h^*k^3 + 3a^3b^2c^3e^*f^*j^3k + 3a^3b^2c^3d^*f^*j^3l + 3a^2b^2c^4e^*f^3j^*k + 3a^2b^2c^4d^*f^3j^*l + 45a^3b^*c^4d^2g^*h^*l^2 + 36a^4b^2c^2e^*f^*g^*m^3 + 36a^4b^2c^2d^*f^*h^*m^3 - 27a^3b^*c^4e^2g^*h^*k^2 - 27a^3b^*c^4d^*g^2h^2l - 18a^3b^*c^4f^2g^*h^*j^2 + 18a^3b^*c^4d^*e^2j^*l^2 + 15a^3b^3c^2d^*e^*j^*l^3 + 12a^2b^2c^4e^*f^3g^*m + 12a^2b^2c^4d^*f^3h^*m + 9a^3b^*c^4f^*g^2h^2j + 9a^3b^*c^4e^*g^2h^2k + 9a^3b^*c^4d^*f^2j^*k^2 + 9a^2b^3c^5d^2f^2j^*k + 9a^*b^5c^2d^2g^*h^*l^2 - 9a^*b^4c^3d^2g^*h^2l - 6a^2b^2c^4e^*f^3h^*l + 3a^3b^2c^3f^*g^*h^*j^3 + 3a^2b^2c^4f^3g^*h^*j + 45a^3b^*c^4d^2f^*g^*m^2 - 27a^2b^*c^5d^2f^2g^*m + 18a^3b^*c^4e^2f^*g^*l^2 + 15a^3b^3c^2e^*f^*g^*l^3 - 12a^3b^2c^3d^*e^*j^*k^3 + 9a^3b^*c^4d^2e^*h^*m^2 + 9a^3b^*c^4e^*g^2h^*j^2 + 9a^3b^*c^4e^*f^2h^*k^2 - 9a^2b^3c^3d^*f^*h^3l + 9a^2b^3c^5d^2f^2h^*l + 9a^*b^5c^2d^2f^*g^*m^2 + 9a^*b^3c^4d^2f^2g^*m + 6a^3b^3c^2d^*f^*h^*l^3 + 3a^2b^4c^2d^*e^*j^*k^3 + 18a^3b^*c^4e^*f^*g^2k^2 + 18a^2b^*c^5d^2g^2h^*j + 18a^2b^*c^5d^2f^*g^2l + 18a^2b^*c^5d^2e^*g^2m - 12a^3b^2c^3d^*f^*h^*k^3 + 9a^3b^*c^4e^*f^*h^2j^2 + 9a^3b^*c^4d^*f^2g^*l^2 + 9a^3b^*c^4d^*e^2g^*m^2 + 9a^3b^*c^4d^*g^*h^2j^2 + 9a^2b^2c^4e^*f^*g^3k + 9a^2b^2c^4d^*g^3h^*j + 9a^2b^2c^4d^*f^*g^3l + 9a^2b^2c^4d^*e^*g^3m + 9a^2b^*c^5e^2f^2h^*j + 9a^2b^*c^5e^2f^2g^*k - 9a^*b^3c^4d^2g^2h^*j - 9a^*b^3c^4d^2f^*g^2l - 9a^*b^3c^4d^2e^*g^2m - 3a^3b^2c^3e^*f^*g^*k^3 + 3a^2b^4c^2e^*f^*g^*k^3 + 3a^2b^4c^2d^*f^*h^*k^3 - 54a^3b^*c^4d^*e^*f^2m^2 - 51a^3b^3c^2d^*e^*f^*m^3 - 27a^3b^*c^4d^*e^*g^2l^2 + 9a^3b^*c^4d^*e^*h^2k^2 + 9a^2b^3c^5e^2f^*g^2j + 9a^2b^3c^5d^2f^*h^2j + 9a^2b^3c^5d^2e^*h^2k + 9a^2b^3c^5d^*e^2g^2l - 9a^*b^5c^2d^*e^*f^2m^2 - 9a^*b^4c^3d^2e^*g^*l^2 - 9a^*b^2c^5d^2e^2g^*l - 9a^*b^2c^5d^2e^2f^*m - 3a^2b^3c^3e^*f^*g^*j^3 - 3a^2b^3c^3d^*f^*h^*j^3 + 36a^3b^2c^3d^*e^*f^*l^3 - 27a^2b^3c^5d^2f^*g^*j^2 - 18a^2b^4c^2d^*e^*f^*l^3 - 18a^2b^*c^5d^2e^2h^2j + 9a^2b^*c^5d^2e^*h^*j^2 + 9a^2b^*c^5d^*f^2g^2j + 9a^*b^4c^3d^*e^2f^*l^2 + 9a^*b^3c^4d^2f^*g^*j^2 - 9a^*b^2c^5d^2f^2g^*j - 9a^*b^2c^5d^2e^*f^2l + 3a^2b^2c^4d^*e^*h^3j - 18a^2b^*c^5e^2f^*g^*h^2 + 18a^2b^*c^5d^2e^*f^*k^2 + 15a^2b^3c^3d^*e^*f^*k^3 + 9a^2b^*c^5e^*f^2g^2h + 9a^2b^*c^5d^2e^2g^*j^2 - 9a^*b^3c^4d^2e^*f^*k^2 + 9a^*b^2c^5d^2e^*
\end{aligned}$$

$$\begin{aligned}
&g^2j - 9a^2b^2c^5d^2e^2f^2k + 3a^2b^2c^4d^2e^2f^2g^2h^3 + 18a^2b^2c^5d^2e^2f^2j^2 + 9a^2b^2c^5d^2e^2f^2g^2h^2 - 9a^2b^3c^4d^2e^2f^2j^2 + 9a^2b^2c^5d^2e^2f^2g^2h - 3a^2b^2c^4d^2e^2f^2j^3 + 9a^2b^2c^5d^2e^2f^2g^2h^2 - 9a^2b^2c^5d^2e^2f^2g^2h^2 + 9a^2b^2c^5d^2e^2f^2h^2 - 36a^6c^2f^2j^2k^2l^2m^2 + 36a^5c^3f^2j^2k^2l^2m - 36a^5c^3f^2h^2j^2k^2l^2m + 36a^5c^3e^2h^2j^2k^2l^2m - 18a^6b^2c^2j^2k^2l^2m^2 + 9a^6b^2c^2j^2k^2l^2m + 3a^5b^2c^2j^3k^2l^2m - 36a^5c^3f^2g^2j^2k^2l^2m - 36a^5c^3e^2f^2k^2l^2m + 36a^5c^3d^2g^2k^2l^2m - 36a^4c^4d^2g^2k^2l^2m - 36a^5c^3e^2h^2j^2k^2l^2 - 36a^5c^3e^2f^2j^2k^2l^2m - 36a^5c^3d^2f^2k^2l^2m + 36a^4c^4e^2h^2j^2k^2l^2 + 36a^4c^4e^2f^2j^2k^2l^2m + 9a^6b^2c^2h^2k^2l^2m^2 - 3a^4b^3c^2h^3k^2l^2m - 36a^5c^3e^2g^2h^2l^2m + 36a^5c^3e^2f^2j^2k^2l^2m - 36a^5c^3d^2g^2j^2k^2l^2m + 36a^5c^3d^2f^2j^2k^2l^2m - 36a^5c^3d^2e^2k^2l^2m + 36a^4c^4e^2g^2h^2l^2m - 36a^4c^4e^2f^2j^2k^2l^2m - 36a^4c^4d^2f^2j^2k^2l^2m + 9a^6b^2c^2h^2j^2l^2m^2 + 9a^6b^2c^2g^2k^2l^2m^2 + 9a^5b^2c^2g^2k^3l^2m + 3a^3b^4c^2g^3k^2l^2m + 36a^5c^3f^2g^2h^2j^2l^2m + 36a^5c^3e^2h^2l^2m^2 - 36a^4c^4f^2g^2h^2j^2l^2m - 36a^4c^4e^2f^2h^2l^2m - 24a^4b^2c^3f^3k^2l^2m - 12a^5b^2c^2h^2j^3k^2l^2m - 12a^5b^2c^2g^2j^3k^2l^2m - 3a^2b^5c^2f^3k^2l^2m - 36a^4c^4e^2g^2h^2k^2l^2 - 36a^4c^4e^2f^2g^2l^2m + 12a^5b^2c^2e^2k^2l^3m - 6a^5b^2c^2f^2j^2l^3m + 3a^5b^2c^2h^2j^2k^2l^3 + 48a^3b^2c^4d^3k^2l^2m + 36a^4c^4e^2f^2h^2j^2l^2m + 36a^4c^4d^2g^2h^2k^2l^2 - 36a^4c^4d^2f^2h^2k^2l^2m - 36a^4c^4d^2e^2j^2k^2l^2 + 24a^5b^2c^2d^2k^3l^2m + 21a^2b^5c^2d^3k^2l^2m - 12a^5b^2c^2g^2j^2k^3l^2 - 9a^4b^3c^2d^2k^3l^2m + 6a^5b^2c^2f^2j^2k^3l^2m + 3a^5b^2c^2g^2h^2l^3m - 36a^4c^4e^2f^2h^2j^2l^2 - 12a^5b^2c^2g^2h^2k^3l^2m - 3a^5b^2c^2e^2j^2k^2l^3 - 3a^5b^2c^2d^2j^2l^3m - 36a^4c^4d^2g^2h^2j^2k^2l^2 - 36a^4c^4d^2f^2g^2k^2l^2 - 36a^4c^4d^2e^2h^2k^2l^2 - 36a^4c^4d^2e^2g^2k^2l^2m + 36a^3c^5d^2g^2h^2j^2k^2l^2 + 36a^3c^5d^2f^2g^2k^2l^2 - 36a^3c^5d^2f^2g^2j^2l^2m + 36a^3c^5d^2e^2h^2k^2l^2 + 36a^3c^5d^2e^2g^2k^2l^2m - 36a^3c^5d^2e^2f^2l^2m + 24a^5b^2c^2e^2h^2l^3m - 24a^3b^2c^4e^3j^2k^2l^2 - 12a^5b^2c^2f^2h^2k^2l^3m - 12a^5b^2c^2f^2g^2l^3m - 3a^5b^2c^2g^2h^2j^2l^3m - 3a^4b^3c^2e^2j^2k^2l^3 - 3a^2b^5c^2e^3j^2k^2l^2 + 36a^4c^4d^2e^2h^2j^2l^2 + 36a^4c^4d^2e^2g^2k^2l^2 - 36a^3c^5d^2e^2h^2j^2l^2 - 36a^3c^5d^2e^2g^2k^2l^2 - 36a^3c^5d^2e^2f^2k^2l^2m + 24a^4b^2c^3e^2h^3k^2l^2m - 24a^3b^2c^4e^3g^2l^2m - 18a^2b^4c^3d^3j^2k^2l^2 - 12a^4b^2c^3g^2h^3j^2l^2 - 12a^4b^2c^3f^2h^3k^2l^2 - 12a^4b^2c^3d^2h^3l^2m + 12a^3b^2c^4e^3h^2k^2l^2m + 6a^4b^2c^3f^2h^3j^2l^2m - 3a^4b^3c^2g^2h^2j^2l^3 - 3a^4b^3c^2f^2h^2k^2l^3 - 3a^4b^3c^2e^2g^2l^3m - 3a^4b^3c^2d^2h^2l^3m - 3a^2b^5c^2e^3h^2k^2l^2m - 3a^2b^5c^2e^3g^2l^2m + 36a^4c^4e^2f^2g^2h^2l^2 - 36a^4c^4d^2e^2f^2j^2l^2m - 36a^3c^5e^2f^2g^2h^2l^2 - 36a^3c^5d^2f^2g^2j^2k^2l^2 - 36a^3c^5d^2e^2f^2k^2l^2 + 36a^3c^5d^2e^2f^2j^2l^2m - 18a^2b^4c^3d^3h^2k^2l^2m - 9a^2b^4c^3d^3g^2l^2m + 30a^5b^2c^2d^2g^2k^2l^3m - 30a^4b^3c^2d^2g^2k^2l^3m - 24a^5b^2c^2e^2f^2k^2l^3m - 24a^5b^2c^2d^2f^2l^3m + 24a^4b^2c^3e^2g^2j^3l^2m + 24a^4b^2c^3d^2h^2j^3l^2m + 15a^4b^3c^2e^2f^2k^2l^3m + 15a^4b^3c^2d^2f^2l^3m + 12a^5b^2c^2e^2g^2j^2l^3m + 12a^5b^2c^2d^2h^2j^2l^3m - 12a^4b^2c^3f^2h^2j^3k^2l^2 - 12a^4b^2c^3f^2g^2j^3l^2 + 6a^4b^3c^2e^2g^2j^2l^3m + 6a^4b^3c^2d^2h^2j^2l^3m + 6a^4b^2c^3e^2h^2j^3l^2 + 36a^3c^5d^2e^2g^2h^2l^2 - 24a^5b^2c^2f^2g^2h^2l^3m + 15a^4b^3c^2f^2g^2h^2l^3m - 9a^2b^6c^2d^2g^2j^2l^2m - 6a^3b^4c^2d^2g^2k^2l^3 - 6a^2b^4c^3e^3f^2j^2l^2m + 3a^3b^4c^2e^2g^2j^2l^3 + 3a^3b^4c^2e^2f^2k^2l^3 + 3a^3b^4c^2d^2h^2j^2l^3 + 3a^3b^4c^2d^2e^2l^3m + 3a^2b^4c^3e^3h^2j^2k^2l^2 + 3a^2b^4c^3e^3g^2j^2l^2 + 3a^2b^4c^3e^3f^2k^2l^2 + 3a^2b^4c^3d^2e^3l^2m - 36a^3c^5d^2e^2g^2h^2k^2l^2 + 30a^2b^2c^5d^3f^2j^2l^2m - 30a^2b^3c^4d^3f^2j^2l^2m + 24a^3b^2c^4d^2g^3j^2l^2 - 24a^2b^2c^5d^3h^2j^2k^2l^2 - 24a^2b^2c^5d^3f^2k^2l^2 - 24a^2b^2c^5d^3e^2k^2l^2m + 15a^2b^3c^4d^3h^2j^2k^2l^2 + 15a^2b^3c^4d^3f^2k^2l^2 + 15a^2b^3c^4d^3e^2k^2l^2m - 12a^3b^2c^4e^2g^3j^2k^2l^2 + 12a^2b^2c^5d^3g^2j^2l^2 + 6a^2b^3c^4d^3g^2j^2l^2 + 3a^3b^4c^2f^2g^2h^2l^3 + 3a^2b^4c^3e^3g^2h^2l^2m + 24a^3b^2c^4d^2g^3h^2l^2m - 12a^3b^2c^4f^2g^3h^2k^2l^2 + 12a^2b^2c^5d^3g^2h^2l^2m - 9a^3b^4c^2d^2e^2j^2l^3m + 6a^3b^2c^4e^2g^3h^2l^2 + 6a^2b^3c^4d^3g^2h^2l^2m + 36a^3c^5d^2e^2f^2g^2k^2l^2 - 36a^2c^6d^2e^2f^2g^2k^2l^2 - 24a^4b^2c^3d^2e^2j^2l^3 - 18a^3b^4c^2e^2f^2g^2l^3m - 18a^3b^4c^2d^2f^2h^2l^3m - 3a^2b^5c^2d^2e^2j^2l^3 - 3a^2b^3c^4d^2e^3j^2l^2 - 24a^4b^2c^3e^2f^2g^2l^3 + 24a^3b^2c^4d^2f^2h^3l^2 + 12a^4b^2c^3d^2f^2h^2l^3 - 12a^3b^2c^4e^2g^2h^3j^2l^2 - 12a^3b^2c^4e^2f^2h^3k^2l^2 - 12a^3b^2c^4d^2e^2h^3l^2m - 12a^2b^2c^5d^3e^2j^2k^2l^2 + 6a^3b^2c^4d^2g^2h^3k^2l^2 - 3a^2b^5c^2e^2f^2g^2l^3 - 3a^2b^2
\end{aligned}$$

$$\begin{aligned}
&^5c*d*f*h*l^3 - 3*a*b^3*c^4*e^3*g*h*j - 3*a*b^3*c^4*e^3*f*h*k - 3*a*b^3*c^4 \\
&e^3*f*g*l - 3*a*b^3*c^4*d*e^3*h*m + 24*a*b^2*c^5*d^3*e*h*l - 12*a*b^2*c^5 \\
&d^3*f*h*k - 3*a*b^2*c^5*d^3*g*h*j - 3*a*b^2*c^5*d^3*f*g*l - 3*a*b^2*c^5*d^3 \\
&e*g*m + 48*a^4*b*c^3*d*e*f*m^3 + 24*a^2*b*c^5*d*e*f^3*m + 21*a^2*b^5*c*d* \\
&e*f*m^3 - 12*a^2*b*c^5*e*f^3*g*j - 12*a^2*b*c^5*d*f^3*h*j - 9*a*b^3*c^4*d*e \\
&f^3*m + 6*a^2*b*c^5*d*f^3*g*k + 12*a*b^2*c^5*d*e^3*f*l - 6*a*b^2*c^5*d*e^3 \\
&*g*k + 3*a*b^2*c^5*d*e^3*h*j - 24*a^3*b*c^4*d*e*f*k^3 - 12*a^2*b*c^5*d*e*g^3 \\
&j - 3*a*b^5*c^2*d*e*f*k^3 + 3*a*b^2*c^5*e^3*f*g*h - 12*a^2*b*c^5*d*f*g^3* \\
&h + 9*a*b^2*c^5*d*e*f^3*j + 9*a*b*c^6*d^2*e^2*f*j + 3*a*b^4*c^3*d*e*f*j^3 + \\
&9*a*b*c^6*d^2*e^2*g*h + 9*a*b*c^6*d^2*e*f^2*h - 3*a*b^3*c^4*d*e*f*h^3 - 18 \\
&a*b*c^6*d^2*e*f*g^2 + 9*a*b*c^6*d^2*e*f^2*g + 3*a*b^2*c^5*d*e*f*g^3 - 36*a^4 \\
&b^2*c^2*e^2*k*l^2*m - 9*a^4*b^2*c^2*g^2*j^2*k*m + 45*a^3*b^3*c^2*d^2*k^2 \\
&*l*m + 36*a^4*b^2*c^2*e^2*j*l*m^2 + 9*a^4*b^2*c^2*g^2*j*k^2*l + 9*a^3*b^3*c^2 \\
&e^2*j^2*l*m + 9*a^4*b^2*c^2*g^2*h*k^2*m - 9*a^4*b^2*c^2*f^2*h*l^2*m - 9* \\
&a^3*b^3*c^2*f^2*j^2*k*l - 45*a^3*b^3*c^2*d^2*j*k*m^2 + 36*a^3*b^2*c^3*d^2*j \\
&^2*k*m + 18*a^4*b^2*c^2*f^2*h*k*m^2 + 18*a^4*b^2*c^2*f^2*g*l*m^2 - 9*a^4*b^2 \\
&c^2*g^2*h*k*l^2 - 9*a^4*b^2*c^2*f*h^2*k^2*m - 9*a^4*b^2*c^2*f*g^2*l^2*m - \\
&9*a^4*b^2*c^2*e*j^2*k^2*l - 9*a^4*b^2*c^2*d*j^2*k^2*m - 9*a^3*b^3*c^2*e^2* \\
&j*k*l^2 - 9*a^2*b^4*c^2*d^2*j^2*k*m - 36*a^3*b^2*c^3*d^2*j*k^2*l - 27*a^3*b^2 \\
&c^3*e^2*h^2*k*m + 9*a^4*b^2*c^2*g*h^2*j*l^2 + 9*a^4*b^2*c^2*f*h^2*k*l^2 - \\
&9*a^4*b^2*c^2*f*g^2*k*m^2 - 9*a^4*b^2*c^2*e*g^2*l*m^2 - 9*a^4*b^2*c^2*d*j^2 \\
&k*l^2 + 9*a^4*b^2*c^2*d*h^2*l^2*m - 9*a^3*b^3*c^2*e^2*g*l^2*m + 9*a^2*b^4 \\
&c^2*e^2*h^2*k*m + 9*a^2*b^4*c^2*d^2*j*k^2*l - 45*a^3*b^3*c^2*e^2*h*j*m^2 + \\
&36*a^4*b^2*c^2*e*h^2*j*m^2 + 36*a^3*b^2*c^3*e^2*h*j^2*m - 36*a^3*b^2*c^3*d^2 \\
&h*k^2*m + 36*a^2*b^3*c^3*d^2*g^2*l*m - 9*a^4*b^2*c^2*f*h*j^2*l^2 - 9*a^4 \\
&b^2*c^2*d*h^2*k*m^2 + 9*a^3*b^3*c^2*f^2*h*j*l^2 + 9*a^3*b^3*c^2*e^2*f*l*m^2 + \\
&9*a^3*b^3*c^2*e*h^2*j^2*m - 9*a^3*b^2*c^3*f^2*h^2*j*l - 9*a^2*b^4*c^2*e^2 \\
&h*j^2*m + 9*a^2*b^4*c^2*d^2*h*k^2*m + 36*a^3*b^2*c^3*d^2*h*k*l^2 - 27*a^4 \\
&b^2*c^2*e*g*j^2*m^2 - 27*a^4*b^2*c^2*d*h*j^2*m^2 - 9*a^4*b^2*c^2*d*h*k^2 \\
&*l^2 - 9*a^3*b^3*c^2*e*f^2*k*m^2 - 9*a^3*b^3*c^2*d*f^2*l*m^2 + 9*a^3*b^2*c^3 \\
&f^2*h*j^2*k + 9*a^3*b^2*c^3*f^2*g*j^2*l - 9*a^3*b^2*c^3*e^2*g*k^2*l - 9*a^3 \\
&b^2*c^3*e^2*f*k^2*m - 9*a^3*b^2*c^3*d^2*f*l^2*m - 9*a^2*b^4*c^2*d^2*h*k* \\
&l^2 + 9*a^2*b^3*c^3*d^2*h^2*k*l - 81*a^3*b^2*c^3*d^2*g*j*m^2 + 54*a^2*b^4*c^2 \\
&d^2*g*j*m^2 - 45*a^3*b^3*c^2*d*g^2*j*m^2 - 45*a^2*b^3*c^3*d^2*g*j^2*m + \\
&36*a^3*b^2*c^3*d^2*f*k*m^2 + 36*a^3*b^2*c^3*d*g^2*j^2*m + 18*a^3*b^2*c^3*e^2 \\
&g*j*l^2 + 18*a^3*b^2*c^3*e^2*f*k*l^2 + 18*a^3*b^2*c^3*d*e^2*l^2*m - 9*a^4 \\
&b^2*c^2*d*f*k^2*m^2 - 9*a^3*b^3*c^2*f^2*g*h*m^2 - 9*a^3*b^3*c^2*d*h^2*j*l^2 - \\
&9*a^3*b^2*c^3*f^2*g*j*k^2 - 9*a^3*b^2*c^3*d^2*e*l*m^2 - 9*a^3*b^2*c^3*f \\
&g^2*h^2*m - 9*a^3*b^2*c^3*e*g^2*j^2*l - 9*a^3*b^2*c^3*e*f^2*k^2*l - 9*a^2*b^4 \\
&c^2*d^2*f*k*m^2 - 9*a^2*b^4*c^2*d*g^2*j^2*m - 9*a^2*b^3*c^3*e^2*h^2*j*k - \\
&9*a^2*b^2*c^4*d^2*f^2*k*m - 27*a^2*b^2*c^4*d^2*g^2*j*l - 9*a^3*b^3*c^2*f \\
&g*h^2*l^2 + 9*a^3*b^2*c^3*e*g^2*j*k^2 - 9*a^3*b^2*c^3*e*f^2*j*l^2 - 9*a^3*b^2 \\
&c^3*d*h^2*j^2*k - 9*a^3*b^2*c^3*d*f^2*k*l^2 - 9*a^3*b^2*c^3*d*e^2*k*m^2 - \\
&9*a^2*b^3*c^3*e^2*g*h^2*m - 9*a^2*b^3*c^3*d^2*h*j*k^2 - 9*a^2*b^3*c^3*d^2 \\
&f*k^2*l - 9*a^2*b^3*c^3*d^2*e*k^2*m + 36*a^3*b^3*c^2*d*e*j^2*m^2 + 36*a^3 \\
&b^2*c^3*e^2*f*h*m^2 - 27*a^2*b^2*c^4*d^2*g^2*h*m + 9*a^3*b^3*c^2*e*f*h^2*m^2 + \\
&9*a^3*b^2*c^3*f*g^2*h*k^2 - 9*a^2*b^4*c^2*e^2*f*h*m^2 + 9*a^2*b^3*c^3*d^2 \\
&e*k*l^2 - 9*a^2*b^2*c^4*e^2*f^2*h*m - 45*a^2*b^3*c^3*d^2*g*h*l^2 - 36*a^3 \\
&b^2*c^3*e*f^2*g*m^2 + 36*a^3*b^2*c^3*d*g^2*h*l^2 - 36*a^3*b^2*c^3*d*f^2* \\
&h*m^2 + 36*a^2*b^2*c^4*d^2*g*h^2*l - 9*a^3*b^2*c^3*e*g*h^2*k^2 + 9*a^2*b^4*c^2 \\
&e*f^2*g*m^2 - 9*a^2*b^4*c^2*d*g^2*h*l^2 + 9*a^2*b^4*c^2*d*f^2*h*m^2 + 9 \\
&a^2*b^3*c^3*e^2*g*h*k^2 + 9*a^2*b^3*c^3*d*g^2*h^2*l - 9*a^2*b^3*c^3*d*e^2* \\
&j*l^2 - 9*a^2*b^2*c^4*e^2*g^2*h*k - 9*a^2*b^2*c^4*e^2*f*g^2*m - 9*a^2*b^2*c^4 \\
&d^2*f*j^2*k - 9*a^2*b^2*c^4*d^2*f*h^2*m - 9*a^2*b^2*c^4*d^2*e*j^2*l - 45 \\
&a^2*b^3*c^3*d^2*f*g*m^2 + 36*a^3*b^2*c^3*d*f*g^2*m^2 - 27*a^3*b^2*c^3*d*f* \\
&h^2*l^2 + 18*a^2*b^2*c^4*d^2*e*j*k^2 + 9*a^2*b^4*c^2*d*f*h^2*l^2 - 9*a^2*b^4 \\
&c^2*d*f*g^2*m^2 - 9*a^2*b^3*c^3*e^2*f*g*l^2 + 9*a^2*b^2*c^4*e^2*g*h^2*j + \\
&9*a^2*b^2*c^4*e^2*f*h^2*k - 9*a^2*b^2*c^4*e*f^2*g^2*l - 9*a^2*b^2*c^4*d*f^2 \\
&g^2*m - 9*a^2*b^2*c^4*d*e^2*j^2*k + 9*a^2*b^2*c^4*d*e^2*h^2*m + 18*a^4*b^
\end{aligned}$$

$$\begin{aligned}
& 2*c^2*f^2*j^2*m^2 + 18*a^3*b^2*c^3*e^2*h^2*l^2 - 9*a^2*b^4*c^2*e^2*h^2*l^2 \\
& + 18*a^2*b^2*c^4*d^2*g^2*k^2 + 12*a^6*c^2*j^3*k^1*m + 3*a^6*b^2*j*k^1*m^3 - \\
& 12*a^6*c^2*g*k^3*1*m - 12*a^5*c^3*g^3*k^1*m - 24*a^6*c^2*e*k^1*3*m - 24*a^4 \\
& 4*c^4*e^3*k^1*m + 12*a^6*c^2*h*j*k^1*3 + 12*a^6*c^2*f*j*1*3*m + 12*a^5*c^3* \\
& h^3*j*k^1 - 3*a^5*b^3*h*j*k^1*m^3 - 3*a^5*b^3*g*j*1*m^3 - 3*a^5*b^3*f*k^1*m^3 \\
& + 12*a^6*c^2*g*h*1*3*m + 12*a^5*c^3*g*h^3*1*m - 12*a^6*c^2*e*j*k^1*m^3 - 12* \\
& a^6*c^2*d*j*1*m^3 - 12*a^5*c^3*f*j^3*k^1 - 12*a^5*c^3*e*j^3*k^1*m - 12*a^5*c^ \\
& 3*d*j^3*1*m - 12*a^4*c^4*f^3*j*k^1 + 24*a^6*c^2*f*h*k^1*m^3 + 24*a^6*c^2*f*g* \\
& 1*m^3 + 24*a^4*c^4*f^3*h*k^1*m + 24*a^4*c^4*f^3*g*1*m - 12*a^6*c^2*g*h*j*m^3 \\
& - 12*a^6*c^2*e*h*1*m^3 - 12*a^5*c^3*g*h*j^3*m + 3*b^6*c^2*d^3*j*k^1 + 3*a^4 \\
& *b^4*e*j*k^1*m^3 + 3*a^4*b^4*d*j*1*m^3 - 24*a^5*c^3*d*j*k^3*1 - 24*a^3*c^5*d^ \\
& 3*j*k^1 - 6*a^4*b^4*e*h*1*m^3 + 3*b^6*c^2*d^3*h*k^1*m + 3*b^6*c^2*d^3*g*1*m + \\
& 3*a^6*b*c*j^2*1*3*m + 3*a^4*b^4*g*h*j*m^3 + 3*a^4*b^4*f*h*k^1*m^3 + 3*a^4*b^ \\
& 4*f*g*1*m^3 - 24*a^5*c^3*d*h*k^3*m - 24*a^3*c^5*d^3*h*k^1*m + 12*a^5*c^3*g*h* \\
& j*k^3 + 12*a^5*c^3*f*g*k^3*1 + 12*a^5*c^3*e*h*k^3*1 + 12*a^5*c^3*e*g*k^3*m \\
& + 12*a^4*c^4*g^3*h*j*k + 12*a^4*c^4*f*g^3*k^1 + 12*a^4*c^4*f*g^3*j*m + 12*a \\
& ^4*c^4*e*g^3*k^1*m + 12*a^4*c^4*d*g^3*1*m + 12*a^3*c^5*d^3*g*1*m + 3*a^6*b*c* \\
& j*k^3*m^2 - 9*a^6*b*c*h^2*1*m^3 - 3*a^5*b*c^2*j^4*k^1 + 24*a^5*c^3*e*g*j*1^ \\
& 3 + 24*a^5*c^3*e*f*k^1*3 + 24*a^5*c^3*d*e*1*3*m + 24*a^3*c^5*e^3*g*j*1 + 24 \\
& *a^3*c^5*e^3*f*k^1 + 24*a^3*c^5*d*e^3*1*m - 12*a^5*c^3*d*h*j*1*3 - 12*a^5*c \\
& ^3*d*g*k^1*3 - 12*a^4*c^4*e*h^3*j*k - 12*a^4*c^4*d*h^3*j*1 - 12*a^3*c^5*e^3 \\
& *h*j*k - 12*a^3*c^5*e^3*f*j*m + 9*a^4*b*c^3*g^4*1*m + 6*b^5*c^3*d^3*f*j*m + \\
& 6*a^3*b^5*d*g*k^1*m^3 - 3*b^5*c^3*d^3*h*j*k - 3*b^5*c^3*d^3*g*j*1 - 3*b^5*c^ \\
& 3*d^3*f*k^1 - 3*b^5*c^3*d^3*e*k^1*m - 3*a^3*b^5*e*g*j*m^3 - 3*a^3*b^5*e*f*k^1 \\
& ^3 - 3*a^3*b^5*d*h*j*m^3 - 3*a^3*b^5*d*f*1*m^3 - 12*a^5*c^3*f*g*h*1*3 - 12* \\
& a^4*c^4*f*g*h^3*1 - 12*a^4*c^4*e*g*h^3*m - 12*a^3*c^5*e^3*g*h*m - 9*a^6*b*c \\
& *g*k^2*m^3 - 3*b^5*c^3*d^3*g*h*m + 3*a^6*b*c*f*1*3*m^2 - 3*a^3*b^5*f*g*h*m^ \\
& 3 + 12*a^5*c^3*d*e*j*m^3 + 12*a^4*c^4*e*f*j^3*k + 12*a^4*c^4*d*g*j^3*k + 12 \\
& *a^4*c^4*d*f*j^3*1 + 12*a^4*c^4*d*e*j^3*m + 12*a^3*c^5*e*f^3*j*k + 12*a^3*c \\
& ^5*d*f^3*j*1 - 9*a^6*b*c*e*1^2*m^3 - 24*a^5*c^3*e*f*g*m^3 - 24*a^5*c^3*d*f* \\
& h*m^3 - 24*a^3*c^5*e*f^3*g*m - 24*a^3*c^5*d*f^3*h*m - 15*a^2*b*c^5*d^4*1*m \\
& + 15*a*b^3*c^4*d^4*1*m + 12*a^4*c^4*f*g*h*j^3 + 12*a^3*c^5*f^3*g*h*j + 12*a \\
& ^3*c^5*e*f^3*h*1 + 9*a^3*b*c^4*f^4*k^1 - 9*a^3*b*c^4*f^4*j*m + 3*b^4*c^4*d^ \\
& 3*e*j*k + 3*a^5*b^2*c*g*j*1^4 + 3*a^5*b^2*c*f*k^1^4 + 3*a^5*b^2*c*d*1^4*m - \\
& 3*a^5*b*c^2*h*j*k^4 - 3*a^5*b*c^2*f*k^4*1 - 3*a^5*b*c^2*e*k^4*m - 3*a^4*b* \\
& c^3*h^4*j*k + 3*a^2*b^6*d*e*j*m^3 + 3*a*b^4*c^3*e^4*k^1*m + 24*a^4*c^4*d*e*j* \\
& k^3 + 24*a^2*c^6*d^3*e*j*k - 6*b^4*c^4*d^3*e*h*1 + 3*b^4*c^4*d^3*g*h*j + 3* \\
& b^4*c^4*d^3*f*h*k + 3*b^4*c^4*d^3*f*g*1 + 3*b^4*c^4*d^3*e*g*m - 3*a^4*b*c^3 \\
& *g*h^4*m + 3*a^2*b^6*e*f*g*m^3 + 3*a^2*b^6*d*f*h*m^3 - 3*a*b^6*c*e^3*j*m^2 \\
& + 24*a^4*c^4*d*f*h*k^3 + 24*a^2*c^6*d^3*f*h*k - 12*a^4*c^4*e*f*g*k^3 - 12*a \\
& ^3*c^5*e*f*g^3*k - 12*a^3*c^5*d*g^3*h*j - 12*a^3*c^5*d*f*g^3*1 - 12*a^3*c^5 \\
& *d*e*g^3*m - 12*a^2*c^6*d^3*g*h*j - 12*a^2*c^6*d^3*f*g*1 - 12*a^2*c^6*d^3*e \\
& *h*1 - 12*a^2*c^6*d^3*e*g*m - 12*a*b^2*c^5*d^4*j*1 + 9*a^5*b*c^2*d*j*1^4 + \\
& 9*a^2*b*c^5*e^4*j*k - 3*a^4*b^3*c*d*j*1^4 - 3*a^4*b*c^3*e*j^4*k - 3*a^4*b*c \\
& ^3*d*j^4*1 - 3*a*b^3*c^4*e^4*j*k - 24*a^4*c^4*d*d*e*f*1^3 - 24*a^2*c^6*d*e^3* \\
& f*1 - 12*a^5*b^2*c*e*g*m^4 - 12*a^5*b^2*c*d*h*m^4 + 12*a^3*c^5*d*e*h^3*j + \\
& 12*a^2*c^6*d*e^3*h*j + 12*a^2*c^6*d*e^3*g*k - 12*a*b^2*c^5*d^4*h*m + 9*a^5* \\
& b*c^2*f*g*1^4 - 9*a^5*b*c^2*e*h*1^4 - 9*a^2*b*c^5*e^4*h*1 + 9*a^2*b*c^5*e^4 \\
& *g*m + 6*a^4*b^3*c*e*h*1^4 + 6*a*b^3*c^4*e^4*h*1 - 3*b^3*c^5*d^3*e*g*j - 3* \\
& b^3*c^5*d^3*e*f*k - 3*a^4*b^3*c*f*g*1^4 - 3*a^4*b*c^3*g*h*j^4 - 3*a^3*b*c^4 \\
& *g^4*h*j - 3*a^3*b*c^4*f*g^4*1 - 3*a^3*b*c^4*e*g^4*m - 3*a*b^3*c^4*e^4*g*m \\
& + 12*a^3*c^5*e*f*g*h^3 + 12*a^2*c^6*e^3*f*g*h - 3*b^3*c^5*d^3*f*g*h - 12*a^ \\
& 3*c^5*d*e*f*j^3 - 12*a^2*c^6*d*e*f^3*j - 3*a*b^6*c*d^2*g*1^3 - 15*a^5*b*c^2 \\
& *d*e*m^4 + 15*a^4*b^3*c*d*e*m^4 + 9*a^4*b*c^3*e*f*k^4 - 9*a^4*b*c^3*d*g*k^4 \\
& + 3*a^3*b^4*c*d*f*1^4 - 3*a^3*b*c^4*d*h^4*j - 3*a^2*b*c^5*e*f^4*k - 3*a^2* \\
& b*c^5*d*f^4*1 + 3*a*b^2*c^5*e^4*g*j + 3*a*b^2*c^5*e^4*f*k + 3*a*b^2*c^5*d*e \\
& ^4*m - 9*a*b*c^6*d^3*e^2*1 + 3*b^2*c^6*d^3*e*f*g - 3*a^3*b*c^4*f*g*h^4 - 3* \\
& a^2*b*c^5*f^4*g*h + 12*a^2*c^6*d*e*f*g^3 - 9*a*b*c^6*d^3*f^2*j + 3*a*b*c^6* \\
& d^2*e^3*k + 9*a^3*b*c^4*d*e*j^4 - 3*a^2*b*c^5*e*f*g^4 - 9*a*b*c^6*d^3*e*h^2
\end{aligned}$$

$$\begin{aligned}
& + 3a^4b^2c^2g^3j^2m^2 - 3a^4b^2c^2f^2k^3m + 3a^3b^3c^2g^3j^2m \\
& - 9a^3b^4c^2f^2j^2m^2 + 9a^3b^3c^2f^2j^3m - 6a^3b^3c^2f^3j^2m \\
& - 6a^3b^2c^3f^3j^2m - 3a^2b^4c^2f^3j^2m - 27a^4b^2c^2d^2 \\
& *k^3m^3 - 27a^3b^2c^3e^3j^2m^2 + 18a^2b^4c^2e^3j^2m^2 - 15a^2b^3c^3 \\
& *e^3j^2m + 12a^4b^2c^2f^2j^2m^3 + 3a^3b^3c^2e^2k^3l + 42a^2b^3 \\
& *c^3d^3j^2m^2 - 27a^2b^2c^4d^3j^2m - 15a^3b^3c^2d^2k^3l - 3 \\
& *a^4b^2c^2f^2j^2k^3 - 3a^4b^2c^2f^2h^3m^2 + 3a^3b^3c^2g^3h^3l^2 \\
& + 3a^3b^3c^2f^2j^2k^3 - 3a^3b^2c^3g^3h^2l - 3a^3b^2c^3e^2j^3 \\
& *l - 27a^4b^2c^2e^2h^3m^3 + 12a^3b^2c^3f^3h^3l^2 + 3a^3b^3c^2f^3 \\
& *g^3m^2 - 3a^2b^4c^2f^3h^3l^2 + 3a^2b^3c^3f^3h^2l + 9a^3b^3c^2 \\
& *e^3h^3l^2 + 9a^2b^3c^3e^2h^3l - 6a^4b^2c^2e^3h^2l^3 - 6a^3b^3c^2 \\
& *e^2h^3l^3 - 6a^2b^3c^3e^3h^3l^2 - 6a^2b^2c^4e^3h^2l + 3a^2b^3 \\
& *c^3d^2j^3k + 42a^3b^3c^2d^2g^3m^3 - 27a^4b^2c^2d^2g^2m^3 - 27 \\
& *a^2b^2c^4d^3h^3l^2 - 15a^2b^3c^3e^3f^3m^2 + 12a^3b^2c^3e^2h^3k^3 \\
& + 3a^3b^3c^2e^3h^2k^3 - 3a^3b^2c^3e^3g^3l^2 - 3a^2b^4c^2e^2h^3 \\
& *k^3 + 3a^2b^3c^3f^3g^3k^2 - 3a^2b^2c^4f^3g^2k - 27a^3b^2c^3d^2 \\
& *g^3l^3 - 27a^2b^2c^4d^3f^3m^2 + 18a^2b^4c^2d^2g^3l^3 - 15a^3b^3 \\
& *c^2d^2g^2l^3 + 12a^2b^2c^4e^3g^3k^2 - 3a^3b^2c^3e^3h^2j^3 + 3a^2 \\
& *b^3c^3e^2h^3j^3 + 3a^2b^3c^3e^3f^3l^2 - 3a^2b^2c^4d^2h^3k + 9a^2 \\
& *b^3c^3d^2g^3k^2 - 9a^2b^4c^3d^2g^2k^2 - 6a^3b^2c^3d^2g^2k^3 - \\
& 6a^2b^3c^3d^2g^2k^3 - 3a^2b^4c^2d^2g^2k^3 + 12a^2b^2c^4d^2g^2j^3 \\
& + 3a^2b^3c^3d^2g^2j^3 - 3a^2b^2c^4d^2f^3k^2 - 3a^2b^2c^4d^2g^2 \\
& *h^3 + 12a^7c^2j^2k^3l^3m^3 - 3b^7c^2d^3k^3l^3m - 3a^6b^2c^2k^4l^3m - 3a^6 \\
& *b^2c^2j^2k^3l^4 - 3a^6b^2c^2g^3l^4m - 9a^6b^2c^2f^3j^2m^4 + 9a^6b^2c^2 \\
& *e^3k^3m^4 + 9a^6b^2c^2d^3l^3m^4 + 9a^6b^2c^2g^3h^3m^4 - 3a^6b^2c^2 \\
& *d^3e^3f^3m^3 + 9a^6b^2c^2d^4h^3j - 9a^6b^2c^2d^4g^3k + 9a^6b^2c^2 \\
& *d^4f^3l + 9a^6b^2c^2d^4e^3m + 12a^6c^2d^4 \\
& *3e^3f^3g - 3a^6b^2c^2d^4e^4j - 3a^6b^2c^2d^4e^4f^3g - 3a^6b^2c^2 \\
& *d^4e^4f^4 + 18a^6c^2h^2j^2l^3m^2 - 18a^6c^2h^2j^2l^2m + 18a^6c^2 \\
& *f^2k^2l^2m + 36a^6c^2f^2k^2l^2m + 18a^6c^2g^2j^2k^2m^2 + 18a^6c^2 \\
& *e^2k^2l^2m + 18a^6c^2d^2k^2l^2m - 18a^6c^2e^2j^2l^2m + 18a^6c^2 \\
& *f^2h^2l^2m - 36a^6c^2f^2h^2k^2m - 36a^6c^2f^2g^2l^2m + 18a^6c^2 \\
& *g^2h^2k^2l + 18a^6c^2f^2h^2k^2m + 18a^6c^2f^2g^2l^2m + 18a^6c^2 \\
& *e^2j^2k^2l + 18a^6c^2d^2j^2k^2m - 18a^6c^2d^2j^2k^2m + 36a^6c^2 \\
& *d^2j^2k^2l + 18a^6c^2f^2g^2k^2m + 18a^6c^2e^2g^2l^2m + 18a^6c^2 \\
& *d^2j^2k^2l - 18a^6c^2d^2f^2g^2k^2m + 36a^6c^2d^2h^2k^2m + 18a^6c^2 \\
& *f^2h^2j^2l^2 - 18a^6c^2e^2h^2j^2m + 18a^6c^2d^2h^2k^2m + 18a^6c^2 \\
& *d^2f^2h^2j^2l - 18a^6c^2d^2e^2h^2j^2m - 18a^6c^2e^2g^2k^2l^2 + 18a^6c^2 \\
& *d^2h^2k^2l^2 + 18a^6c^2d^2e^2g^2k^2l + 18a^6c^2d^2e^2f^2k^2m - 18a^6c^2 \\
& *d^2h^2k^2l^2 + 18a^6c^2d^2f^2l^2m - 36a^6c^2d^2e^2g^2j^2l - 36a^6c^2 \\
& *d^2e^2f^2k^2l^2 - 36a^6c^2d^2e^2l^2m + 18a^6c^2d^2f^2k^2m^2 + 18a^6c^2 \\
& *d^2f^2g^2j^2k^2 + 18a^6c^2d^2g^2j^2m^2 - 18a^6c^2d^2f^2k^2m + 18a^6c^2 \\
& *d^2e^2l^2m - 18a^6c^2d^2f^2g^2j^2k + 18a^6c^2d^2f^2g^2h^2m + 18a^6c^2 \\
& *d^2e^2g^2j^2l + 18a^6c^2d^2e^2f^2k^2l - 18a^6c^2d^2g^2j^2m - 18a^6c^2 \\
& *d^2f^2k^2m + 18a^6c^2d^2f^2k^2m + 3a^4b^2c^2h^4k^3m - 3a^3b^3 \\
& *c^2g^4l^3m + 18a^4c^4e^3f^2j^2l^2 + 18a^4c^4d^2h^2j^2k + 18a^4c^4 \\
& *d^2f^2k^3l^2 + 18a^4c^4d^2e^2k^3m^2 - 18a^3c^5e^2f^2j^2l + 12a^5b^2 \\
& *c^2g^2k^3m^3 - 9a^5b^2c^2h^3j^2m^2 - 9a^5b^2c^2f^2l^3m + 3a^5b^2c^2 \\
& *h^2k^3l + 3a^4b^3c^3h^3j^2m^2 + 3a^4b^3c^3f^2l^3m - 18a^4c^4e^2 \\
& *f^2h^3m^2 + 18a^3c^5e^2f^2h^3m + 15a^5b^2c^2e^2l^3m^3 - 15a^4b^3c^2 \\
& *e^2l^3m^3 - 9a^5b^2c^2g^2k^3l^3 - 9a^4b^3c^3g^3j^2m - 3a^5b^2c^2g^2 \\
& *k^2l^3 + 3a^5b^2c^2h^3j^3l^2 + 3a^4b^3c^3g^2k^3l^3 - 3a^3b^4c^3g^3j^2 \\
& *m^2 + 36a^4c^4e^3f^2g^3m^2 + 36a^4c^4d^2f^2h^3m^2 + 18a^4c^4e^3g^3h^2 \\
& *k^2 - 18a^4c^4d^2g^2h^3l^2 - 18a^4c^4d^2f^2j^2k^2 + 18a^3c^5e^2g^2 \\
& *h^3k + 18a^3c^5e^2f^2g^2m - 18a^3c^5d^2g^2h^2l + 18a^3c^5d^2f^2j^2 \\
& *k + 18a^3c^5d^2f^2h^2m + 18a^3c^5d^2e^2j^2l - 12a^2b^2c^4e^4 \\
& *k^3m + 9a^4b^3c^3f^3j^3m^2 - 9a^4b^2c^2f^3j^4m - 6a^5b^2c^2f^3j^2m^3 \\
& + 6a^5b^2c^2f^2j^3m^3 - 6a^5b^2c^2f^2j^3m^2 - 6a^4b^3c^3f^2j^3m^3 +
\end{aligned}$$

$$\begin{aligned}
& 6a^4b^3c^3f^3j^2m^2 - 6a^4b^3c^3f^2j^3m + 6a^2b^3c^3f^4j^2m + 3a^3b^2c^3g^4j^2m + 3a^2b^5c^3f^3j^2m^2 - 3a^2b^3c^3f^4k^2m - 36a^3c^5d^2e^2j^2k^2 - 18a^4c^4d^2f^2g^2m^2 + 18a^3c^5e^2f^2g^2m + 18a^3c^5d^2e^2j^2k^2 + 18a^3b^4c^2d^2k^2m^3 + 15a^3b^3c^4e^3j^2m + 12a^5b^2c^2d^2k^2m^3 - 9a^5b^3c^2f^2j^2m^3 - 9a^4b^3c^3e^2k^3m + 3a^5b^3c^2e^2k^3m^2 + 3a^4b^3c^3f^2j^2m^3 + 3a^4b^3c^3g^2j^3k - 3a^3b^4c^3f^2j^2m^3 + 3a^3b^2c^3g^4h^2m + 3a^3b^5c^2e^3j^2m - 36a^3c^5d^2f^2h^2k^2 - 21a^3b^3c^4d^3j^2m^2 - 21a^3b^5c^2d^3j^2m^2 + 18a^3c^5e^2f^2h^2j^2 - 18a^3c^5e^2f^2h^2j^2 + 18a^3c^5d^2f^2h^2k^2 + 18a^3b^4c^3d^3j^2m + 15a^4b^3c^3d^2k^2m^3 - 9a^5b^3c^2d^2k^2m^3 - 9a^4b^3c^3g^3h^2m^2 - 9a^4b^3c^3f^2j^2k^3 + 3a^4b^3c^3d^2k^2m^3 + 3a^2b^5c^3d^2k^2m^3 - 18a^3c^5d^2e^2g^2m^2 + 18a^3c^5d^2e^2h^2k^2 + 18a^3b^4c^2e^2h^2m^3 - 18a^2c^6d^2e^2h^2k^2 + 18a^2c^6d^2e^2g^2m^2 + 18a^2c^6d^2e^2f^2m^2 + 15a^5b^3c^2e^2h^2m^3 - 15a^4b^3c^2e^2h^2m^3 - 9a^4b^3c^3f^2g^3m^2 - 9a^3b^3c^4f^3h^2m^2 + 3a^4b^2c^2e^2j^2k^4 + 3a^4b^3c^3g^2h^3k^2 + 3a^3b^3c^4f^2g^3m + 36a^3c^5d^2e^2f^2m^2 + 18a^3c^5d^2f^2g^2j^2 + 18a^2c^6d^2f^2g^2j^2 + 18a^2c^6d^2e^2f^2m^2 - 9a^3b^2c^3e^2h^4m - 9a^3b^3c^4d^2j^3k^2 + 6a^4b^3c^3e^2h^4m^3 - 6a^4b^3c^3e^2h^3m^2 + 6a^3b^3c^4e^3h^4m^2 - 6a^3b^3c^4e^2h^3m^2 + 3a^4b^2c^2f^2h^4k^2 + 3a^4b^3c^3d^2j^3k^2 - 3a^3b^4c^2e^2h^2m^3 + 3a^2b^5c^2e^2h^2m^3 + 3a^2b^2c^4f^4h^2k^2 + 3a^2b^2c^4f^4g^2m^2 + 3a^2b^5c^2e^3h^2m^2 - 3a^2b^4c^3e^3h^2m^2 - 21a^4b^3c^3d^2g^2m^3 - 21a^2b^5c^3d^2g^2m^3 + 18a^3b^4c^2d^2g^2m^3 + 18a^2c^6d^2e^2f^2k^2 + 18a^2b^4c^3d^3h^2m^2 + 15a^3b^3c^4e^3f^2m^2 + 15a^2b^3c^5d^3h^2m^2 - 15a^2b^3c^4d^3h^2m^2 - 9a^4b^3c^3e^2h^2k^3 - 9a^3b^3c^4f^3g^2k^2 - 9a^2b^3c^5e^3f^2m^2 + 3a^3b^3c^4f^2h^3j^2 + 3a^2b^5c^2e^3f^2m^2 + 3a^2b^3c^4e^3f^2m^2 + 18a^2b^4c^3d^3f^2m^2 + 15a^4b^3c^3d^2g^2m^3 + 12a^2b^2c^5d^3f^2m^2 - 9a^3b^3c^4e^2h^2j^3 - 9a^3b^3c^4e^2f^3m^2 - 9a^2b^3c^5e^3g^2k^2 + 3a^3b^3c^4f^2g^3j^2 + 3a^2b^5c^2d^2g^2m^3 + 3a^2b^3c^5e^2f^3m^2 - 3a^2b^4c^3e^3g^2k^2 + 3a^2b^3c^4e^3g^2k^2 + 18a^2c^6d^2e^2g^2h^2 - 18a^2c^6d^2e^2g^2h^2 - 12a^4b^2c^2d^2f^2m^4 - 9a^2b^2c^4d^2g^4k^2 + 9a^2b^3c^4d^2g^3k^2 + 6a^3b^3c^2d^2g^2k^4 + 6a^3b^3c^4d^2g^2k^3 - 6a^3b^3c^4d^2g^3k^2 + 6a^2b^3c^5d^3g^2k^2 - 6a^2b^3c^5d^2g^3k^2 - 6a^2b^3c^4d^3g^2k^2 - 6a^2b^2c^5d^3g^2k^2 - 3a^3b^3c^2e^2f^2k^4 + 3a^3b^2c^3e^2g^2j^4 + 3a^3b^2c^3d^2h^2j^4 + 3a^2b^5c^2d^2g^2k^3 + 15a^2b^3c^5d^3e^2m^2 - 15a^2b^3c^4d^3e^2m^2 - 9a^3b^3c^4d^2g^2j^3 - 9a^2b^3c^5e^3f^2j^2 - 3a^2b^4c^3d^2g^2j^3 + 3a^2b^3c^4e^3f^2j^2 - 3a^2b^2c^5e^3f^2j^2 + 12a^2b^2c^5d^3f^2j^2 - 9a^2b^3c^5d^2e^3k^2 + 3a^2b^3c^5e^2g^3h^2 + 3a^2b^3c^4d^2e^3k^2 - 9a^2b^3c^5d^2g^2h^3 - 3a^2b^3c^3d^2e^2j^4 + 3a^2b^3c^5e^2f^3h^2 + 3a^2b^3c^4d^2g^2h^3 + 3a^2b^2c^4d^2f^2h^4 - 9a^7c^2k^2m^2 - 6a^6c^2j^2k^3m - 3a^6b^2h^2m^3 + 3a^5b^3h^2m^3 - 6a^6c^2g^2k^2m^3 - 6a^6c^2h^2k^3m^2 + 6a^5c^3h^3j^2m + 6a^6c^2g^2k^2m^3 - 6a^6c^2f^2k^3m^2 - 6a^5c^3h^2j^3m - 6a^5c^3g^3j^2m + 6a^5c^3f^2k^3m + 3a^5b^3g^2k^2m^3 - 3a^4b^4g^2k^2m^3 + 12a^6c^2f^2j^2m^3 + 12a^4c^4f^3j^2m + 3a^5b^3e^2m^3 + 3a^3b^5e^2m^3 - 6a^6c^2d^2k^2m^3 - 6a^5c^3f^2j^2m^3 + 6a^5c^3d^2k^2m^3 - 6a^5c^3g^2j^3k^2 + 6a^4c^4e^3j^2m^2 - 3b^6c^2d^3j^2m - 3a^4b^4f^2j^2m^3 + 3a^3b^5f^2j^2m^3 + 6a^5c^3f^2j^2k^3 + 6a^5c^3f^2h^3m^2 - 6a^5c^3e^2j^3m^2 + 6a^4c^4g^3h^2m - 6a^4c^4f^2h^3m + 6a^4c^4e^2j^3m + 6a^3c^5d^3j^2m - 3a^4b^4d^2k^2m^3 - 3a^2b^6d^2k^2m^3 + 6a^5c^3e^2h^2m^3 - 6a^4c^4g^2h^3k - 6a^4c^4f^3h^2m^2 + 12a^5c^3e^2h^2m^3 + 12a^3c^5e^3h^2m - 3b^6c^2d^3h^2m^2 + 3b^5c^3d^3h^2m - 3a^5b^2c^2j^4m^2 + 3a^3b^5e^2h^2m^3 - 3a^2b^6e^2h^2m^3 + 6a^5c^3d^2g^2m^3 - 6a^4c^4e^2h^2k^3 - 6a^4c^4f^2h^3j^2 + 6a^4c^4e^2g^3m^2 + 6a^3c^5f^3g^2k - 6a^3c^5e^2g^3m + 6a^3c^5d^3h^2m - 3b^6c^2d^3f^2m - 3b^4c^4d^3f^2m + 6a^4c^4d^2g^2m^3 + 6a^4c^4e^2h^2j^3 - 6a^4c^4d^2h^3k^2 - 6a^3c^5f^2g^3j - 6a^3c^5e^3g^2k^2 + 6a^3c^5d^3f^2m^2 + 6a^3c^5d^2h^3k - 6a^2c^6d^3f^2m + 4a^5b^2c^2h^3m^3 + 3b^5c^3d^3g^2k^2 - 3b^4c^4d^3g
\end{aligned}$$

$$\begin{aligned}
&^2k - 3a^2b^6d^2g^2m^3 + a^5b^2c^2j^3k^3 + 12a^4c^4d^2g^2k^3 + 12a^2c^6d^3g^2k + 6a^5b^2c^2h^3l^3 + 5a^5b^2c^2g^3m^3 - 5a^4b^3c^3g^3m^3 + 3b^5c^3d^3e^2l^2 + 3b^3c^5d^3e^2l - 3a^5b^2c^2h^2l^4 + a^4b^3c^3h^3l^3 + 12a^5b^2c^2f^2m^4 - 6a^3c^5d^2g^2j^3 + 6a^3c^5d^2f^3k^2 + 6a^3b^4c^2f^3m^3 + 6a^2c^6e^3f^2j - 6a^2c^6d^2f^3k - 3b^4c^4d^3f^2j + 3b^3c^5d^3f^2j - 3a^2b^2c^4f^5m - 7a^4b^2c^3e^3m^3 - 7a^2b^5c^2e^3m^3 + 6a^4b^2c^3g^3k^3 - 6a^3c^5e^2g^3h^2 - 6a^2c^6d^3f^2j + 5a^4b^2c^3f^3l^3 + a^4b^2c^3h^3j^3 + a^2b^5c^2f^3l^3 + 6a^3c^5d^2g^2h^3 - 6a^2c^6e^2f^3h - 3a^3b^4c^2e^2l^4 - 3a^2b^4c^3e^4l^2 - 7a^3b^2c^4d^3l^3 - 7a^2b^5c^2d^3l^3 + 6a^3b^2c^4f^3j^3 + 5a^3b^2c^4e^3k^3 + 3b^3c^5d^3e^2h^2 - 3b^2c^6d^3e^2h + a^2b^5c^2e^3k^3 + 12a^2b^2c^5d^4k^2 - 6a^2c^6d^2f^3g^2 + 6a^2b^4c^3d^3k^3 - 3a^4b^2c^2d^2k^5 + a^3b^2c^4g^3h^3 + 5a^2b^2c^5d^3j^3 - 5a^2b^3c^4d^3j^3 - 9a^2c^7d^2e^2f^2 + 6a^2b^2c^5e^3h^3 - 3a^2b^2c^5e^4h^2 + a^2b^2c^5f^3g^3 + a^2b^3c^4e^3h^3 + 4a^2b^2c^5d^3h^3 - 3a^2b^2c^5d^2g^4 - 6a^7c^2j^3m^2 + 6a^7c^2h^3l^2m^3 + 6a^6c^2j^2k^4l + 6a^6c^2h^3k^4m - 6a^5c^3h^4k^2m + 3a^6b^2h^3k^2m^4 + 3a^6b^2g^3l^2m^4 - 3b^5c^3d^4l^2m - 6a^6c^2g^2j^4l - 6a^6c^2f^2k^4l - 6a^6c^2d^4l^2m + 6a^5c^3h^2j^4k + 6a^5c^3g^2j^4l + 6a^5c^3f^2j^4m - 6a^4c^4g^4j^2l + 6a^3c^5e^4k^2m + 6a^5b^3f^2j^2m^4 - 6a^4c^4g^4h^2m + 3b^7c^2d^3j^2m^2 - 3a^5b^3e^2k^2m^4 - 3a^5b^3d^2l^2m^4 + 3b^4c^4d^4j^2l - 3a^5b^3g^2h^2m^4 - 6a^5c^3e^2j^2k^4 + 6a^2c^6d^4j^2l + 3b^4c^4d^4h^2m + 6a^6c^2e^2g^2m^4 + 6a^6c^2d^2h^2m^4 + 6a^6b^2c^2j^3m^3 - 6a^5c^3f^2h^2k^4 + 6a^4c^4g^2h^4j + 6a^4c^4f^2h^4k + 6a^4c^4e^2h^4l + 6a^4c^4d^2h^4m - 6a^3c^5f^4h^2k - 6a^3c^5f^4g^2l + 6a^2c^6d^4h^2m + 3a^5b^2c^2j^5m + a^6b^2c^2k^3l^3 + 3a^4b^4e^2g^2m^4 + 3a^4b^4d^2h^2m^4 + 6b^3c^5d^4g^2k - 3b^3c^5d^4h^2j - 3b^3c^5d^4f^2l - 3b^3c^5d^4e^2m + 3a^2b^7d^2g^2m^3 + 6a^5c^3d^2f^2l^4 - 6a^4c^4e^2g^2j^4 - 6a^4c^4d^2h^2j^4 + 6a^3c^5e^2g^4j + 6a^3c^5d^2g^4k - 6a^2c^6e^4g^2j - 6a^2c^6e^4f^2k - 6a^2c^6d^2e^4m + 3a^4b^2c^3h^5l + 6a^3c^5f^2g^4h - 3a^3b^5d^2e^2m^4 + 3b^2c^6d^4e^2j + 3a^5b^2c^2g^2k^5 + 3a^3b^2c^4g^5k + 8a^2b^6c^2d^3m^3 + 3b^2c^6d^4f^2h - 3a^5b^2c^2e^2l^5 - 3a^2b^2c^5e^5l - 6a^3c^5d^2f^2h^4 + 6a^2c^6e^2f^4g + 6a^2c^6d^2f^4h + 3a^4b^2c^3f^2j^5 + 3a^2b^2c^5f^5j + 6a^2c^7d^3e^2h - 6a^2c^7d^2e^3g + 3a^3b^2c^4e^2h^5 + 6a^2b^2c^6d^3g^3 + 3a^2b^2c^5d^2g^5 + a^2b^2c^6e^3f^3 - 9a^6c^2j^2k^2l^2 - 9a^6c^2h^2k^2m^2 - 9a^6c^2g^2l^2m^2 - 18a^5c^3f^2j^2m^2 - 9a^5c^3h^2j^2k^2 - 9a^5c^3g^2j^2l^2 - 9a^5c^3f^2k^2l^2 - 9a^5c^3e^2k^2m^2 - 9a^5c^3d^2l^2m^2 - 9a^5c^3g^2h^2m^2 - 9a^4c^4e^2j^2k^2 - 9a^4c^4d^2j^2l^2 - 18a^4c^4e^2h^2l^2 - 9a^4c^4g^2h^2j^2 - 9a^4c^4f^2h^2k^2 - 9a^4c^4f^2g^2l^2 - 9a^4c^4e^2g^2m^2 - 9a^4c^4d^2h^2m^2 - 18a^3c^5d^2g^2k^2 - 9a^3c^5e^2g^2j^2 - 9a^3c^5e^2f^2k^2 - 9a^3c^5d^2h^2j^2 - 9a^3c^5d^2f^2l^2 - 9a^3c^5d^2e^2m^2 - 3a^4b^2c^2h^4l^2 - 18a^4b^2c^2f^3m^3 + 12a^3b^2c^3f^4m^2 - 9a^3c^5f^2g^2h^2 + 4a^4b^2c^2g^3l^3 - 3a^2b^4c^2f^4m^2 + 14a^3b^3c^2e^3m^3 - 5a^3b^3c^2f^3l^3 - 3a^4b^2c^2g^2k^4 - 3a^3b^2c^3g^4k^2 + a^3b^3c^2g^3k^3 - 20a^2b^4c^2d^3m^3 - 18a^3b^2c^3e^3l^3 + 16a^3b^2c^3d^3m^3 + 12a^4b^2c^2e^2l^4 + 12a^2b^2c^4e^4l^2 - 9a^2c^6d^2e^2j^2 + 6a^2b^4c^2e^3l^3 + 4a^3b^2c^3f^3k^3 + 14a^2b^3c^3d^3l^3 - 9a^2c^6e^2f^2g^2 - 9a^2c^6d^2f^2h^2 - 5a^2b^3c^3e^3k^3 - 3a^3b^2c^3f^2j^4 - 3a^2b^2c^4f^4j^2 + a^2b^3c^3f^3j^3 - 18a^2b^2c^4d^3k^3 + 12a^3b^2c^3d^2k^4 + 4a^2b^2c^4e^3j^3 - 3a^2b^4c^2d^2k^4 - 3a^2b^2c^4e^2h^4 + 6a^7c^2k^4l^2m - 3a^7b^2k^4l^2m^4 - 6a^7c^2h^3k^4l^2m^4 - 6a^7c^2g^2k^4l^2m^4 + 3a^6b^2c^2h^5l - 6a^6c^7d^4e^2j - 6a^6c^7d^4f^2h - 3b^2c^7d^4e^2f + 6a^6c^7d^4e^4f + 3a^2b^2c^6e^5h - a^5b^2c^2j^3l^3 - a^3b^4c^2g^3l^3 - a^2b^4c^3e^3j^3 - a^2b^2c^5e^3g^3 + 3a^7b^2j^2m^5 + 6a^7c^2f^2m^5 + 6a^6c^7d^5k + 3b^2c^7d^5g - 3a^6c^2j^4m^2 - 3a^6b^2j^2m^4 + 2a^6c^2j^3l^3 + a^5b^3j^3m^3 - 2a^6c^2h^3m^3 - 3a^6c^2h^2l^4
\end{aligned}$$

$$\begin{aligned}
& 4 - 3a^5c^3h^4l^2 - ab^6c^3e^3l^3 + 20a^5c^3f^3m^3 - 15a^6c^2f^2m^4 - 15a^4c^4f^4m^2 + 2a^5c^3h^3k^3 - 2a^5c^3g^3l^3 + a^3b^5g^3m^3 - 3a^5c^3g^2k^4 - 3a^4c^4g^4k^2 - 3a^4b^4f^2m^4 + 20a^4c^4e^3l^3 - 15a^5c^3e^2l^4 - 15a^3c^5e^4l^2 + 2a^4c^4g^3j^3 - 2a^4c^4f^3k^3 - 2a^4c^4d^3m^3 - 3b^4c^4d^4k^2 - 3a^4c^4f^2j^4 - 3a^3c^5f^4j^2 + 20a^3c^5d^3k^3 - 15a^4c^4d^2k^4 - 15a^2c^6d^4k^2 - 2a^3c^5e^3j^3 + b^5c^3d^3j^3 + 2a^3c^5f^3h^3 - 3a^3c^5e^2h^4 - 3a^2c^6e^4h^2 - 3b^2c^6d^4g^2 + 2a^2c^6e^3g^3 - 2a^2c^6d^3h^3 + b^3c^5d^3g^3 - 3a^2c^6d^2g^4 - a^4b^2c^2h^3k^3 - a^3b^2c^3g^3j^3 - a^2b^4c^2f^3k^3 - a^2b^2c^4f^3h^3 + 2a^7c^k^3m^3 + a^7b^l^3m^3 - 3a^7c^j^2m^4 + 6a^3c^5f^5m - 3a^6b^2f^5m + 6a^6c^2e^1l^5 + 6a^2c^6e^5l + b^7c^d^3l^3 + a^b^7e^3m^3 - 3b^2c^6d^5k + 6a^5c^3d^k^5 - 3a^c^7d^4g^2 + 2a^c^7d^3f^3 + b^c^7d^3e^3 - a^6b^2k^3m^3 - a^4b^4h^3m^3 - a^2b^6f^3m^3 - b^6c^2d^3k^3 - b^4c^4d^3h^3 - b^2c^6d^3f^3 - b^8d^3m^3 - a^6c^2k^6 - a^5c^3j^6 - a^4c^4h^6 - a^3c^5g^6 - a^2c^6f^6 - a^7c^l^6 - a^c^7e^6 - a^8m^6 - c^8d^6, z, k1) * ((1296a^3c^8f - 1296a^4c^7m - 648a^2b^2c^7f + 1944a^2b^3c^6j - 2025a^2b^4c^5m + 4536a^3b^2c^6m + 81a^b^4c^6f - 243a^ab^5c^5j - 3888a^3b^c^7j + 243a^ab^6c^4m) / c^3 + (root(34992a^4b^2c^8z^6 - 8748a^3b^4c^7z^6 + 729a^2b^6c^6z^6 - 46656a^5c^9z^6 + 34992a^4b^3c^6mz^5 - 8748a^3b^5c^5mz^5 + 729a^2b^7c^4mz^5 - 34992a^4b^2c^7jz^5 + 8748a^3b^4c^6jz^5 - 729a^2b^6c^5jz^5 - 46656a^5b^c^7mz^5 + 46656a^5c^8jz^5 + 34992a^5b^c^6jz^4 - 11664a^5b^c^6k^1z^4 + 3888a^4b^c^7fjz^4 + 3888a^4b^c^7ekz^4 + 3888a^4b^c^7d^1z^4 + 3888a^4b^c^7ghz^4 + 3888a^3b^c^8dez^4 + 243a^ab^5c^6d^ez^4 - 25272a^4b^3c^5jz^4 + 9720a^4b^3c^5k^1z^4 + 6075a^3b^5c^4jz^4 - 2673a^3b^5c^4k^1z^4 - 486a^2b^7c^3jz^4 + 243a^2b^7c^3k^1z^4 - 7776a^4b^2c^6h^kz^4 - 7776a^4b^2c^6g^1z^4 - 7776a^4b^2c^6f^mz^4 + 2430a^3b^4c^5h^kz^4 + 2430a^3b^4c^5g^1z^4 + 2430a^3b^4c^5f^mz^4 - 243a^2b^6c^4h^kz^4 - 243a^2b^6c^4g^1z^4 - 243a^2b^6c^4f^mz^4 - 1944a^3b^3c^6fjz^4 - 1944a^3b^3c^6ekz^4 - 1944a^3b^3c^6d^1z^4 + 243a^2b^5c^5fjz^4 + 243a^2b^5c^5ekz^4 + 243a^2b^5c^5d^1z^4 - 1944a^3b^3c^6ghz^4 + 243a^2b^5c^5g^hz^4 + 3888a^3b^2c^7egz^4 + 3888a^3b^2c^7d^hz^4 - 486a^2b^4c^6egz^4 - 486a^2b^4c^6d^hz^4 - 1944a^2b^3c^7d^ez^4 + 7776a^5c^7h^kz^4 + 7776a^5c^7g^1z^4 + 7776a^5c^7f^mz^4 - 7776a^4c^8egz^4 - 7776a^4c^8d^hz^4 - 13608a^5b^2c^5m^2z^4 + 11421a^4b^4c^4m^2z^4 - 2916a^3b^6c^3m^2z^4 + 243a^2b^8c^2m^2z^4 + 13608a^4b^2c^6j^2z^4 - 3159a^3b^4c^5j^2z^4 + 243a^2b^6c^4j^2z^4 + 1944a^3b^2c^7f^2z^4 - 243a^2b^4c^6f^2z^4 - 3888a^6c^6m^2z^4 - 19440a^5c^7j^2z^4 - 3888a^4c^8f^2z^4 + 3078a^4b^4c^3k^1mz^3 - 2592a^5b^2c^4k^1mz^3 - 891a^3b^6c^2k^1mz^3 - 4536a^4b^3c^4j^k^1z^3 + 1053a^3b^5c^3j^k^1z^3 - 81a^2b^7c^2j^k^1z^3 - 2592a^4b^3c^4h^k^1mz^3 - 2592a^4b^3c^4g^1mz^3 + 810a^3b^5c^3h^k^1mz^3 + 810a^3b^5c^3g^1mz^3 - 81a^2b^7c^2h^k^1mz^3 - 81a^2b^7c^2g^1mz^3 + 7776a^4b^2c^5f^j^1mz^3 + 3888a^4b^2c^5h^j^k^1z^3 + 3888a^4b^2c^5g^j^1z^3 - 3888a^4b^2c^5f^k^1z^3 - 2916a^3b^4c^4f^j^1mz^3 + 1458a^3b^4c^4f^k^1z^3 - 972a^3b^4c^4h^j^k^1z^3 - 972a^3b^4c^4g^j^1z^3 - 486a^3b^4c^4e^k^1mz^3 - 486a^3b^4c^4d^1mz^3 + 324a^2b^6c^3f^j^1mz^3 - 162a^2b^6c^3f^k^1z^3 + 81a^2b^6c^3h^j^k^1z^3 + 81a^2b^6c^3g^j^1z^3 + 81a^2b^6c^3e^k^1mz^3 + 81a^2b^6c^3d^1mz^3 - 486a^3b^4c^4g^h^1mz^3 + 81a^2b^6c^3g^h^1mz^3 + 648a^3b^3c^5e^j^k^1z^3 + 648a^3b^3c^5d^j^1z^3 - 81a^2b^5c^4e^j^k^1z^3 - 81a^2b^5c^4d^j^1z^3 + 2592a^3b^3c^5e^g^1mz^3 + 2592a^3b^3c^5d^h^1mz^3 - 1296a^3b^3c^5f^h^1z^3 - 1296a^3b^3c^5f^g^1z^3 - 1296a^3b^3c^5e^h^1z^3 + 648a^3b^3c^5g^h^1z^3 - 324a^2b^5c^4e^g^1mz^3 - 324a^2b^5c^4d^h^1mz^3 + 162a^2b^5c^4f^h^1z^3 + 162a^2b^5c^4f^g^1z^3 + 162a^2b^5c^4e^h^1z^3 - 81a^2b^5c^4g^h^1z^3 + 5184a^3b^2c^6d^e^1mz^3 - 2
\end{aligned}$$

$$\begin{aligned}
& 592a^3b^2c^6e*g*j*z^3 - 2592a^3b^2c^6d*h*j*z^3 - 2106a^2b^4c^5d \\
& *e*m*z^3 + 1296a^3b^2c^6e*f*k*z^3 + 1296a^3b^2c^6d*g*k*z^3 + 1296a \\
& ^3b^2c^6d*f*l*z^3 + 324a^2b^4c^5e*g*j*z^3 + 324a^2b^4c^5d*h*j*z^ \\
& 3 - 162a^2b^4c^5e*f*k*z^3 - 162a^2b^4c^5d*g*k*z^3 - 162a^2b^4c^5 \\
& *d*f*l*z^3 + 1296a^3b^2c^6f*g*h*z^3 - 162a^2b^4c^5f*g*h*z^3 + 1944* \\
& a^2b^3c^6d*e*j*z^3 - 1296a^2b^2c^7d*e*f*z^3 + 81a^2b^8c*k*l*m*z^3 \\
& + 6480a^5b*c^5*j*k*l*z^3 + 2592a^5b*c^5h*k*m*z^3 + 2592a^5b*c^5g*l \\
& *m*z^3 - 1296a^4b*c^6e*j*k*z^3 - 1296a^4b*c^6d*j*l*z^3 - 5184a^4b*c \\
& ^6e*g*m*z^3 - 5184a^4b*c^6d*h*m*z^3 + 2592a^4b*c^6f*h*k*z^3 + 2592a \\
& ^4b*c^6f*g*l*z^3 + 2592a^4b*c^6e*h*l*z^3 - 1296a^4b*c^6g*h*j*z^3 + \\
& 243a*b^6c^4d*e*m*z^3 - 3888a^3b*c^7d*e*j*z^3 - 243a*b^5c^5d*e*j*z^ \\
& 3 + 162a*b^4c^6d*e*f*z^3 - 2592a^6c^5k*l*m*z^3 - 5184a^5c^6h*j*k*z \\
& ^3 - 5184a^5c^6g*j*l*z^3 - 5184a^5c^6f*j*m*z^3 + 2592a^5c^6f*k*l*z \\
& ^3 + 2592a^5c^6e*k*m*z^3 + 2592a^5c^6d*l*m*z^3 + 2592a^5c^6g*h*m*z \\
& ^3 + 5184a^4c^7e*g*j*z^3 + 5184a^4c^7d*h*j*z^3 - 2592a^4c^7e*f*k*z \\
& ^3 - 2592a^4c^7d*g*k*z^3 - 2592a^4c^7d*f*l*z^3 - 2592a^4c^7d*e*m*z \\
& ^3 - 2592a^4c^7f*g*h*z^3 + 2592a^3c^8d*e*f*z^3 + 6480a^5b^2c^4j*m \\
& ^2*z^3 + 6480a^4b^3c^4j^2*m*z^3 - 5022a^4b^4c^3j*m^2*z^3 - 1296a^3 \\
& *b^5c^3j^2*m*z^3 + 1134a^3b^6c^2j*m^2*z^3 + 81a^2b^7c^2j^2*m*z^3 \\
& + 2592a^4b^3c^4h*l^2*z^3 - 1944a^4b^2c^5h^2*l*z^3 - 810a^3b^5c^3 \\
& *h*l^2*z^3 + 729a^3b^4c^4h^2*l*z^3 + 81a^2b^7c^2h*l^2*z^3 - 81a^2* \\
& b^6c^3h^2*l*z^3 - 5184a^4b^3c^4f*m^2*z^3 + 1620a^3b^5c^3f*m^2*z^3 \\
& + 1296a^3b^3c^5f^2*m*z^3 - 162a^2b^7c^2f*m^2*z^3 - 162a^2b^5c^4 \\
& *f^2*m*z^3 - 1944a^4b^2c^5g*k^2*z^3 + 729a^3b^4c^4g*k^2*z^3 - 648a \\
& ^3b^3c^5g^2*k*z^3 - 81a^2b^6c^3g*k^2*z^3 + 81a^2b^5c^4g^2*k*z^3 \\
& - 1944a^4b^2c^5e*l^2*z^3 + 729a^3b^4c^4e*l^2*z^3 + 648a^3b^2c^6* \\
& e^2*l*z^3 - 81a^2b^6c^3e*l^2*z^3 - 81a^2b^4c^5e^2*l*z^3 + 1296a^3* \\
& b^3c^5f*j^2*z^3 - 1296a^3b^2c^6f^2*j*z^3 - 162a^2b^5c^4f*j^2*z^3 \\
& + 162a^2b^4c^5f^2*j*z^3 - 648a^3b^3c^5d*k^2*z^3 + 81a^2b^5c^4d* \\
& k^2*z^3 + 648a^3b^2c^6e*h^2*z^3 - 81a^2b^4c^5e*h^2*z^3 - 648a^2b^ \\
& 2c^7d^2*g*z^3 - 10368a^5b*c^5j^2*m*z^3 - 81a^2b^8c*j*m^2*z^3 - 2592 \\
& *a^5b*c^5h*l^2*z^3 + 5184a^5b*c^5f*m^2*z^3 - 2592a^4b*c^6f^2*m*z^3 \\
& + 1296a^4b*c^6g^2*k*z^3 - 2592a^4b*c^6f*j^2*z^3 + 1296a^4b*c^6d*k^ \\
& 2*z^3 + 81a*b^4c^6d^2*g*z^3 + 2592a^6c^5j*m^2*z^3 + 1296a^5c^6h^2* \\
& l*z^3 + 1296a^5c^6g*k^2*z^3 + 1296a^5c^6e*l^2*z^3 - 1296a^4c^7e^2* \\
& l*z^3 + 2592a^4c^7f^2*j*z^3 - 2592a^6b*c^4m^3*z^3 - 324a^3b^7c*m^3 \\
& *z^3 - 27a^2b^8c*l^3*z^3 - 1296a^4c^7e*h^2*z^3 - 864a^5b*c^5k^3*z^ \\
& 3 + 1296a^3c^8d^2*g*z^3 + 432a^4b*c^6h^3*z^3 + 27a*b^4c^6e^3*z^3 - \\
& 432a^2b*c^8d^3*z^3 + 216a*b^3c^7d^3*z^3 + 1134a^4b^5c^2m^3*z^3 - \\
& 432a^5b^3c^3m^3*z^3 + 1512a^5b^2c^4l^3*z^3 - 1107a^4b^4c^3l^3* \\
& z^3 + 297a^3b^6c^2l^3*z^3 + 864a^4b^3c^4k^3*z^3 - 270a^3b^5c^3k \\
& ^3*z^3 + 27a^2b^7c^2k^3*z^3 - 2592a^4b^2c^5j^3*z^3 + 486a^3b^4c^ \\
& 4j^3*z^3 - 27a^2b^6c^3j^3*z^3 - 216a^3b^3c^5h^3*z^3 + 27a^2b^5c \\
& ^4h^3*z^3 + 216a^3b^2c^6g^3*z^3 - 27a^2b^4c^5g^3*z^3 - 216a^2b^2 \\
& *c^7e^3*z^3 - 432a^6c^5l^3*z^3 + 27a^2b^9m^3*z^3 + 4320a^5c^6j^3* \\
& z^3 - 432a^4c^7g^3*z^3 + 432a^3c^8e^3*z^3 - 27b^5c^6d^3*z^3 + 81a \\
& ^3b^6c*j*k*l*m*z^2 - 1296a^5b*c^4h*j*k*m*z^2 - 1296a^5b*c^4g*j*l*m* \\
& z^2 + 1296a^5b*c^4f*k*l*m*z^2 - 81a^2b^7c*f*k*l*m*z^2 + 2592a^4b*c^ \\
& 5e*g*j*m*z^2 + 2592a^4b*c^5d*h*j*m*z^2 - 1296a^4b*c^5f*h*j*k*z^2 - 1 \\
& 296a^4b*c^5f*g*j*l*z^2 - 1296a^4b*c^5e*f*k*m*z^2 - 1296a^4b*c^5d*f \\
& *l*m*z^2 - 648a^4b*c^5e*h*j*l*z^2 - 648a^4b*c^5e*g*k*l*z^2 - 648a^4* \\
& b*c^5d*h*k*l*z^2 - 648a^4b*c^5d*g*k*m*z^2 - 1296a^4b*c^5f*g*h*m*z^2 \\
& - 162a*b^6c^3d*e*j*m*z^2 + 81a*b^6c^3d*e*k*l*z^2 + 1296a^3b*c^6d*e \\
& *f*m*z^2 - 648a^3b*c^6d*f*g*k*z^2 - 648a^3b*c^6d*e*h*k*z^2 - 648a^3* \\
& b*c^6d*e*g*l*z^2 - 81a*b^5c^4d*e*h*k*z^2 - 81a*b^5c^4d*e*g*l*z^2 + 8 \\
& 1a*b^5c^4d*e*f*m*z^2 - 81a*b^4c^5d*e*f*j*z^2 + 81a*b^4c^5d*e*g*h*z \\
& ^2 + 648a^5b^2c^3j*k*l*m*z^2 - 567a^4b^4c^2j*k*l*m*z^2 - 1944a^4b \\
& ^3c^3f*k*l*m*z^2 + 729a^3b^5c^2f*k*l*m*z^2 + 648a^4b^3c^3h*j*k*m* \\
& z^2 + 648a^4b^3c^3g*j*l*m*z^2 - 81a^3b^5c^2h*j*k*m*z^2 - 81a^3b^5
\end{aligned}$$

$$\begin{aligned}
& *c^2 * g * j * l * m * z^2 + 1944 * a^4 * b^2 * c^4 * f * j * k * l * z^2 - 729 * a^3 * b^4 * c^3 * f * j * k * l * z^2 \\
& + 648 * a^4 * b^2 * c^4 * e * j * k * m * z^2 + 648 * a^4 * b^2 * c^4 * d * j * l * m * z^2 - 81 * a^3 * b^4 * c^3 * e * j * k * m * z^2 \\
& - 81 * a^3 * b^4 * c^3 * d * j * l * m * z^2 + 81 * a^2 * b^6 * c^2 * f * j * k * l * z^2 + 1296 * a^4 * b^2 * c^4 * f * h * k * m * z^2 \\
& + 1296 * a^4 * b^2 * c^4 * f * g * l * m * z^2 + 648 * a^4 * b^2 * c^4 * g * h * j * m * z^2 - 648 * a^3 * b^4 * c^3 * f * h * k * m * z^2 \\
& - 648 * a^3 * b^4 * c^3 * f * g * l * m * z^2 - 324 * a^4 * b^2 * c^4 * g * h * k * l * z^2 - 324 * a^4 * b^2 * c^4 * e * h * l * m * z^2 \\
& + 81 * a^3 * b^4 * c^3 * g * h * k * l * z^2 - 81 * a^3 * b^4 * c^3 * g * h * j * m * z^2 + 81 * a^2 * b^6 * c^2 * f * h * k * m * z^2 + 81 * a^2 * b^6 * c^2 * f * g * l * m * z^2 \\
& - 1296 * a^3 * b^3 * c^4 * e * g * j * m * z^2 - 1296 * a^3 * b^3 * c^4 * d * h * j * m * z^2 + 648 * a^3 * b^3 * c^4 * f * h * j * k * z^2 \\
& + 648 * a^3 * b^3 * c^4 * f * g * j * l * z^2 + 648 * a^3 * b^3 * c^4 * d * f * l * m * z^2 + 486 * a^3 * b^3 * c^4 * e * g * k * l * z^2 \\
& + 486 * a^3 * b^3 * c^4 * d * h * k * l * z^2 + 162 * a^3 * b^3 * c^4 * e * h * j * l * z^2 + 162 * a^3 * b^3 * c^4 * d * g * k * m * z^2 \\
& + 162 * a^2 * b^5 * c^3 * e * g * j * m * z^2 + 162 * a^2 * b^5 * c^3 * d * h * j * m * z^2 - 81 * a^2 * b^5 * c^3 * f * h * j * k * z^2 \\
& - 81 * a^2 * b^5 * c^3 * f * g * j * l * z^2 - 81 * a^2 * b^5 * c^3 * e * g * k * l * z^2 - 81 * a^2 * b^5 * c^3 * e * f * k * m * z^2 \\
& - 81 * a^2 * b^5 * c^3 * d * h * k * l * z^2 - 81 * a^2 * b^5 * c^3 * d * f * l * m * z^2 + 648 * a^3 * b^3 * c^4 * f * g * h * m * z^2 - 81 * a^2 * b^5 * c^3 * f * g * h * m * z^2 \\
& - 3240 * a^3 * b^2 * c^5 * d * e * j * m * z^2 + 1620 * a^3 * b^2 * c^5 * d * e * k * l * z^2 + 1377 * a^2 * b^4 * c^4 * d * e * j * m * z^2 \\
& - 648 * a^3 * b^2 * c^5 * e * f * j * k * z^2 - 64 * 8 * a^3 * b^2 * c^5 * d * f * j * l * z^2 - 648 * a^2 * b^4 * c^4 * d * e * k * l * z^2 \\
& - 324 * a^3 * b^2 * c^5 * d * g * j * k * z^2 + 81 * a^2 * b^4 * c^4 * e * f * j * k * z^2 + 81 * a^2 * b^4 * c^4 * d * f * j * l * z^2 + 972 * a^3 * b^2 * c^5 * e * f * h * l * z^2 \\
& - 648 * a^3 * b^2 * c^5 * f * g * h * j * z^2 - 324 * a^3 * b^2 * c^5 * e * g * h * k * z^2 - 324 * a^3 * b^2 * c^5 * d * g * h * l * z^2 \\
& - 162 * a^2 * b^4 * c^4 * e * f * h * l * z^2 + 81 * a^2 * b^4 * c^4 * f * g * h * j * z^2 + 81 * a^2 * b^4 * c^4 * e * g * h * k * z^2 \\
& + 81 * a^2 * b^4 * c^4 * d * g * h * l * z^2 - 648 * a^2 * b^3 * c^5 * d * e * f * m * z^2 + 486 * a^2 * b^3 * c^5 * d * e * h * k * z^2 + 486 * a^2 * b^3 * c^5 * d * e * g * l * z^2 \\
& + 162 * a^2 * b^3 * c^5 * d * f * g * k * z^2 + 648 * a^2 * b^2 * c^6 * d * e * f * j * z^2 - 324 * a^2 * b^2 * c^6 * d * e * g * h * z^2 \\
& - 1296 * a^6 * b * c^3 * k * l * m^2 * z^2 - 81 * a^4 * b^5 * c * k * l * m^2 * z^2 - 1296 * a^5 * b * c^4 * j^2 * k * l * z^2 \\
& - 324 * a^5 * b * c^4 * h^2 * l * m * z^2 + 324 * a^5 * b * c^4 * h * k^2 * l * z^2 - 324 * a^5 * b * c^4 * g * k^2 * m * z^2 + 972 * a^5 * b * c^4 * h * j * l^2 * z^2 \\
& + 324 * a^5 * b * c^4 * g * k * l^2 * z^2 - 324 * a^5 * b * c^4 * e * l^2 * m * z^2 - 324 * a^4 * b * c^5 * e^2 * l * m * z^2 - 1944 * a^5 * b * c^4 * f * j * m^2 * z^2 \\
& + 1296 * a^5 * b * c^4 * e * k * m^2 * z^2 + 1296 * a^5 * b * c^4 * d * l * m^2 * z^2 + 648 * a^4 * b * c^5 * f^2 * j * m * z^2 + 81 * a^2 * b^7 * c * f * j * m^2 * z^2 \\
& + 1296 * a^5 * b * c^4 * g * h * m^2 * z^2 - 324 * a^4 * b * c^5 * g^2 * j * k * z^2 + 324 * a^4 * b * c^5 * g^2 * h * l * z^2 + 972 * a^4 * b * c^5 * f * h^2 * l * z^2 \\
& + 324 * a^4 * b * c^5 * g * h^2 * k * z^2 - 324 * a^4 * b * c^5 * e * h^2 * m * z^2 - 324 * a^4 * b * c^5 * d * j * k^2 * z^2 - 324 * a^3 * b * c^6 * d^2 * j * k * z^2 \\
& + 972 * a^4 * b * c^5 * f * g * k^2 * z^2 + 972 * a^3 * b * c^6 * d^2 * g * m * z^2 + 324 * a^4 * b * c^5 * e * h * k^2 * z^2 + 324 * a^3 * b * c^6 * d^2 * h * l * z^2 \\
& + 81 * a * b^5 * c^4 * d^2 * g * m * z^2 + 972 * a^4 * b * c^5 * e * f * l^2 * z^2 + 324 * a^4 * b * c^5 * d * g * l^2 * z^2 - 324 * a^3 * b * c^6 * e^2 * h * j * z^2 \\
& + 324 * a^3 * b * c^6 * e^2 * g * k * z^2 - 324 * a^3 * b * c^6 * e^2 * f * l * z^2 - 1296 * a^4 * b * c^5 * d * e * m^2 * z^2 + 81 * a * b^7 * c^2 * d * e * m^2 * z^2 \\
& - 324 * a^3 * b * c^6 * d * g^2 * j * z^2 - 81 * a * b^4 * c^5 * d^2 * g * j * z^2 + 81 * a * b^4 * c^5 * d^2 * e * l * z^2 + 324 * a^3 * b * c^6 * e * g^2 * h * z^2 \\
& + 81 * a * b^4 * c^5 * d * e^2 * k * z^2 + 1296 * a^3 * b * c^6 * d * e * j^2 * z^2 - 324 * a^3 * b * c^6 * e * f * h^2 * z^2 + 324 * a^3 * b * c^6 * d * g * h^2 * z^2 \\
& + 81 * a * b^5 * c^4 * d * e * j^2 * z^2 - 324 * a^2 * b * c^7 * d^2 * f * g * z^2 + 324 * a^2 * b * c^7 * d^2 * e * h * z^2 + 81 * a * b^3 * c^6 * d^2 * f * g * z^2 \\
& - 81 * a * b^3 * c^6 * d^2 * e * h * z^2 + 324 * a^2 * b * c^7 * d * e^2 * g * z^2 - 81 * a * b^3 * c^6 * d * e^2 * g * z^2 + 1296 * a^6 * c^4 * j * k * l * m * z^2 \\
& - 1296 * a^5 * c^5 * f * j * k * l * z^2 - 1296 * a^5 * c^5 * e * j * k * m * z^2 - 1296 * a^5 * c^5 * d * j * l * m * z^2 - 1296 * a^5 * c^5 * g * h * j * m * z^2 \\
& + 1296 * a^5 * c^5 * e * h * l * m * z^2 + 1296 * a^4 * c^6 * e * f * j * k * z^2 + 1296 * a^4 * c^6 * d * g * j * k * z^2 + 1296 * a^4 * c^6 * d * f * j * l * z^2 \\
& - 1296 * a^4 * c^6 * d * e * k * l * z^2 + 1296 * a^4 * c^6 * d * e * j * m * z^2 + 1296 * a^4 * c^6 * f * g * h * j * z^2 - 1296 * a^4 * c^6 * e * f * h * l * z^2 \\
& - 1296 * a^3 * c^7 * d * e * f * j * z^2 + 648 * a^5 * b^3 * c^2 * k * l * m^2 * z^2 + 648 * a^4 * b^3 * c^3 * j^2 * k * l * z^2 + 48 * 6 * a^5 * b^2 * c^3 * h * l^2 * m * z^2 \\
& - 81 * a^4 * b^4 * c^2 * h * l^2 * m * z^2 + 81 * a^4 * b^3 * c^3 * h^2 * l * m * z^2 - 81 * a^3 * b^5 * c^2 * j^2 * k * l * z^2 - 162 * a^4 * b^2 * c^4 * g^2 * k * m * z^2 \\
& - 81 * a^4 * b^3 * c^3 * h * k^2 * l * z^2 + 81 * a^4 * b^3 * c^3 * g * k^2 * m * z^2 - 567 * a^4 * b^3 * c^3 * h * j * l^2 * z^2 + 486 * a^4 * b^2 * c^4 * h^2 * j * l * z^2 \\
& - 81 * a^4 * b^3 * c^3 * g * k * l^2 * z^2 + 81 * a^4 * b^3 * c^3 * e * l^2 * m * z^2 + 81 * a^3 * b^5 * c^2 * h * j * l^2 * z^2 - 81 * a^3 * b^4 * c^3 * h^2 * j * l * z^2 \\
& + 81 * a^3 * b^3 * c^4 * e^2 * l * m * z^2 + 2430 * a^4 * b^3 * c^3 * f * j * m^2 * z^2 - 2268 * a^4 * b^2 * c^4 * f * j^2 * m * z^2 - 810 * a^3 * b^5 * c^2 * f * j * m^2 * z^2 \\
& + 810 * a^3 * b^4 * c^3 * f * j^2 * m * z^2 - 648 * a^4 * b^3 * c^3 * e * k * m^2 * z^2 - 648 * a^4 * b^3 * c^3 * d * l * m^2 * z^2 - 648 * a^4 * b^2 * c^4 * h * j^2 * k * z^2 \\
& - 648 * a^4 * b^2 * c^4 * g * j^2 * l * z^2 - 162 * a^3 * b^3 * c^4 * f^2 * j * m * z^2 + 81 * a^3 * b^5 * c^2 * e * k * m^2 * z^2 + 81 * a^3 * b^5 * c^2 * d * l * m^2 * z^2 \\
& + 81 * a^3 * b^4 * c^3
\end{aligned}$$

$$\begin{aligned}
& ^3h*j^2*k*z^2 + 81*a^3*b^4*c^3*g*j^2*l*z^2 - 81*a^2*b^6*c^2*f*j^2*m*z^2 - \\
& 648*a^4*b^3*c^3*g*h*m^2*z^2 + 486*a^4*b^2*c^4*g*j*k^2*z^2 - 486*a^4*b^2*c^4 \\
& *e*k^2*l*z^2 + 486*a^3*b^2*c^5*d^2*k*m*z^2 - 162*a^4*b^2*c^4*d*k^2*m*z^2 + \\
& 81*a^3*b^5*c^2*g*h*m^2*z^2 - 81*a^3*b^4*c^3*g*j*k^2*z^2 + 81*a^3*b^4*c^3*e* \\
& k^2*l*z^2 + 81*a^3*b^3*c^4*g^2*j*k*z^2 - 81*a^2*b^4*c^4*d^2*k*m*z^2 + 486*a^4 \\
& *b^2*c^4*e*j*l^2*z^2 - 486*a^4*b^2*c^4*d*k*l^2*z^2 - 162*a^3*b^2*c^5*e^2* \\
& j*l*z^2 - 81*a^3*b^4*c^3*e*j*l^2*z^2 + 81*a^3*b^4*c^3*d*k*l^2*z^2 - 81*a^3* \\
& b^3*c^4*g^2*h*l*z^2 - 1458*a^4*b^2*c^4*f*h*l^2*z^2 + 648*a^3*b^4*c^3*f*h*l^2 \\
& *z^2 - 567*a^3*b^3*c^4*f*h^2*l*z^2 + 486*a^3*b^2*c^5*e^2*h*m*z^2 - 81*a^3* \\
& b^3*c^4*g*h^2*k*z^2 + 81*a^3*b^3*c^4*e*h^2*m*z^2 - 81*a^2*b^6*c^2*f*h*l^2*z \\
& ^2 + 81*a^2*b^5*c^3*f*h^2*l*z^2 - 81*a^2*b^4*c^4*e^2*h*m*z^2 - 1296*a^4*b^2 \\
& *c^4*e*g*m^2*z^2 - 1296*a^4*b^2*c^4*d*h*m^2*z^2 + 648*a^3*b^4*c^3*e*g*m^2*z \\
& ^2 + 648*a^3*b^4*c^3*d*h*m^2*z^2 + 81*a^3*b^3*c^4*d*j*k^2*z^2 - 81*a^2*b^6* \\
& c^2*e*g*m^2*z^2 - 81*a^2*b^6*c^2*d*h*m^2*z^2 + 81*a^2*b^3*c^5*d^2*j*k*z^2 - \\
& 567*a^3*b^3*c^4*f*g*k^2*z^2 - 567*a^2*b^3*c^5*d^2*g*m*z^2 + 486*a^3*b^2*c^5 \\
& *f*g^2*k*z^2 - 486*a^3*b^2*c^5*e*g^2*l*z^2 + 486*a^3*b^2*c^5*d*g^2*m*z^2 - \\
& 81*a^3*b^3*c^4*e*h*k^2*z^2 + 81*a^2*b^5*c^3*f*g*k^2*z^2 - 81*a^2*b^4*c^4*f \\
& *g^2*k*z^2 + 81*a^2*b^4*c^4*e*g^2*l*z^2 - 81*a^2*b^4*c^4*d*g^2*m*z^2 - 81*a \\
& ^2*b^3*c^5*d^2*h*l*z^2 - 567*a^3*b^3*c^4*e*f*l^2*z^2 - 486*a^3*b^2*c^5*d*h^2 \\
& *k*z^2 - 162*a^3*b^2*c^5*e*h^2*j*z^2 - 81*a^3*b^3*c^4*d*g*l^2*z^2 + 81*a^2 \\
& *b^5*c^3*e*f*l^2*z^2 + 81*a^2*b^4*c^4*d*h^2*k*z^2 + 81*a^2*b^3*c^5*e^2*h*j* \\
& z^2 - 81*a^2*b^3*c^5*e^2*g*k*z^2 + 81*a^2*b^3*c^5*e^2*f*l*z^2 + 1944*a^3*b^3 \\
& *c^4*d*e*m^2*z^2 - 729*a^2*b^5*c^3*d*e*m^2*z^2 + 648*a^3*b^2*c^5*e*g*j^2*z \\
& ^2 + 648*a^3*b^2*c^5*d*h*j^2*z^2 - 81*a^2*b^4*c^4*e*g*j^2*z^2 - 81*a^2*b^4* \\
& c^4*d*h*j^2*z^2 + 486*a^3*b^2*c^5*d*f*k^2*z^2 + 486*a^2*b^2*c^6*d^2*g*j*z^2 \\
& - 486*a^2*b^2*c^6*d^2*e*l*z^2 - 162*a^2*b^2*c^6*d^2*f*k*z^2 - 81*a^2*b^4*c \\
& ^4*d*f*k^2*z^2 + 81*a^2*b^3*c^5*d*g^2*j*z^2 - 486*a^2*b^2*c^6*d*e^2*k*z^2 - \\
& 81*a^2*b^3*c^5*e*g^2*h*z^2 - 648*a^2*b^3*c^5*d*e*j^2*z^2 - 162*a^2*b^2*c^6 \\
& *e^2*f*h*z^2 + 81*a^2*b^3*c^5*e*f*h^2*z^2 - 81*a^2*b^3*c^5*d*g*h^2*z^2 - 16 \\
& 2*a^2*b^2*c^6*d*f*g^2*z^2 - 189*a^5*b^3*c^2*l^3*m*z^2 + 162*a^5*b^2*c^3*k^3 \\
& *m*z^2 - 27*a^4*b^4*c^2*k^3*m*z^2 - 702*a^4*b^3*c^3*j^3*m*z^2 - 81*a^3*b^6* \\
& c*j^2*m^2*z^2 + 81*a^3*b^5*c^2*j^3*m*z^2 - 54*a^5*b^3*c^2*j*m^3*z^2 - 486*a \\
& ^5*b^2*c^3*j*l^3*z^2 + 216*a^4*b^4*c^2*j*l^3*z^2 - 189*a^4*b^3*c^3*j*k^3*z^2 \\
& - 54*a^4*b^2*c^4*h^3*m*z^2 + 27*a^3*b^5*c^2*j*k^3*z^2 + 27*a^3*b^3*c^4*g^3 \\
& *m*z^2 - 810*a^4*b^4*c^2*f*m^3*z^2 + 540*a^5*b^2*c^3*f*m^3*z^2 - 324*a^3*b \\
& ^2*c^5*f^3*m*z^2 + 54*a^2*b^4*c^4*f^3*m*z^2 + 675*a^4*b^3*c^3*f*l^3*z^2 - 2 \\
& 43*a^3*b^5*c^2*f*l^3*z^2 - 189*a^2*b^3*c^5*e^3*m*z^2 + 27*a^3*b^3*c^4*h^3*j \\
& *z^2 - 486*a^4*b^2*c^4*f*k^3*z^2 - 486*a^2*b^2*c^6*d^3*m*z^2 + 216*a^3*b^4* \\
& c^3*f*k^3*z^2 - 54*a^3*b^2*c^5*g^3*j*z^2 - 27*a^2*b^6*c^2*f*k^3*z^2 - 270*a \\
& ^3*b^3*c^4*f*j^3*z^2 - 54*a^2*b^3*c^5*f^3*j*z^2 + 27*a^2*b^5*c^3*f*j^3*z^2 \\
& + 162*a^2*b^2*c^6*e^3*j*z^2 + 162*a^3*b^2*c^5*f*h^3*z^2 - 27*a^2*b^4*c^4*f* \\
& h^3*z^2 + 27*a^2*b^3*c^5*f*g^3*z^2 + 81*a*b^2*c^7*d^2*e^2*z^2 - 648*a^6*c^4 \\
& *h*l^2*m*z^2 + 648*a^5*c^5*g^2*k*m*z^2 - 648*a^5*c^5*h^2*j*l*z^2 + 1296*a^5 \\
& *c^5*h*j^2*k*z^2 + 1296*a^5*c^5*g*j^2*l*z^2 + 1296*a^5*c^5*f*j^2*m*z^2 - 64 \\
& 8*a^5*c^5*g*j*k^2*z^2 + 648*a^5*c^5*e*k^2*l*z^2 + 648*a^5*c^5*d*k^2*m*z^2 - \\
& 648*a^4*c^6*d^2*k*m*z^2 - 648*a^5*c^5*e*j*l^2*z^2 + 648*a^5*c^5*d*k*l^2*z^2 \\
& + 648*a^4*c^6*e^2*j*l*z^2 + 324*a^6*b*c^3*l^3*m*z^2 + 27*a^4*b^5*c^1^3*m* \\
& z^2 + 648*a^5*c^5*f*h*l^2*z^2 - 648*a^4*c^6*e^2*h*m*z^2 + 1512*a^5*b*c^4*j^3 \\
& *m*z^2 + 1080*a^6*b*c^3*j*m^3*z^2 - 162*a^4*b^5*c^j*m^3*z^2 - 648*a^4*c^6* \\
& f*g^2*k*z^2 + 648*a^4*c^6*e*g^2*l*z^2 - 648*a^4*c^6*d*g^2*m*z^2 - 27*a^3*b^6 \\
& *c*j^1^3*z^2 + 648*a^4*c^6*e*h^2*j*z^2 + 648*a^4*c^6*d*h^2*k*z^2 + 324*a^5 \\
& *b*c^4*j*k^3*z^2 - 1296*a^4*c^6*e*g*j^2*z^2 - 1296*a^4*c^6*d*h*j^2*z^2 - 10 \\
& 8*a^4*b*c^5*g^3*m*z^2 - 648*a^4*c^6*d*f*k^2*z^2 - 648*a^3*c^7*d^2*g*j*z^2 + \\
& 648*a^3*c^7*d^2*f*k*z^2 + 648*a^3*c^7*d^2*e*l*z^2 + 270*a^3*b^6*c^f*m^3*z^2 \\
& + 648*a^3*c^7*d^2*k*z^2 - 540*a^5*b*c^4*f*l^3*z^2 + 324*a^3*b*c^6*e^3*m \\
& *z^2 - 108*a^4*b*c^5*h^3*j*z^2 + 27*a^2*b^7*c^f*l^3*z^2 + 27*a*b^5*c^4*e^3* \\
& m*z^2 + 648*a^3*c^7*e^2*f*h*z^2 + 216*a*b^4*c^5*d^3*m*z^2 + 648*a^4*b*c^5*f \\
& *j^3*z^2 + 216*a^3*b*c^6*f^3*j*z^2 + 648*a^3*c^7*d*f*g^2*z^2 - 27*a*b^4*c^5 \\
& *e^3*j*z^2 + 324*a^2*b*c^7*d^3*j*z^2 - 189*a*b^3*c^6*d^3*j*z^2 - 108*a^3*b
\end{aligned}$$

$$\begin{aligned}
& c^6 f g^3 z^2 - 108 a^2 b^2 c^7 e^3 f z^2 + 27 a^3 b^3 c^6 e^3 f z^2 + 162 a^2 b^2 c^7 d^3 f z^2 - 1134 a^5 b^2 c^3 j^2 m^2 z^2 + 648 a^4 b^4 c^2 j^2 m^2 z^2 \\
& + 81 a^5 b^2 c^3 k^2 l^2 z^2 + 162 a^4 b^2 c^4 f^2 m^2 z^2 + 81 a^4 b^2 c^4 h^2 k^2 z^2 + 81 a^4 b^2 c^4 g^2 l^2 z^2 + 162 a^3 b^2 c^5 f^2 j^2 z^2 + \\
& 81 a^3 b^2 c^5 e^2 k^2 z^2 + 81 a^3 b^2 c^5 d^2 l^2 z^2 + 81 a^3 b^2 c^5 g^2 h^2 z^2 + 81 a^2 b^2 c^6 d^2 h^2 z^2 - 216 a^6 c^4 k^3 m z^2 + 216 a^6 c^4 j^3 l^3 z^2 + 27 a^3 b^7 j^3 m^3 z^2 + 216 a^5 c^5 h^3 m z^2 + 432 a^6 c^4 f^3 m^3 z^2 + 432 a^4 c^6 f^3 m z^2 - 27 b^6 c^4 d^3 m z^2 - 27 a^2 b^8 f^3 m^3 z^2 + 216 a^5 c^5 f^3 k^3 z^2 + 216 a^4 c^6 g^3 j^3 z^2 + 216 a^3 c^7 d^3 m z^2 + 216 a^5 b^4 c^4 m^4 z^2 - 216 a^3 c^7 e^3 j^3 z^2 + 27 b^5 c^5 d^3 j^3 z^2 - 216 a^4 c^6 f^3 h^3 z^2 - 27 b^4 c^6 d^3 f z^2 - 216 a^2 c^8 d^3 f z^2 - 648 a^6 c^4 j^2 m^2 z^2 - 324 a^6 c^4 k^2 l^2 z^2 - 648 a^5 c^5 f^2 m^2 z^2 - 324 a^5 c^5 h^2 k^2 z^2 - 324 a^5 c^5 g^2 l^2 z^2 - 648 a^4 c^6 f^2 j^2 z^2 - 324 a^4 c^6 e^2 k^2 z^2 - 324 a^4 c^6 d^2 l^2 z^2 - 405 a^6 b^2 c^2 m^4 z^2 - 324 a^4 c^6 g^2 h^2 z^2 - 324 a^3 c^7 e^2 g^2 z^2 - 324 a^3 c^7 d^2 h^2 z^2 + 243 a^4 b^2 c^4 j^4 z^2 - 27 a^3 b^4 c^3 j^4 z^2 - 324 a^2 c^8 d^2 e^2 z^2 + 27 a^2 b^2 c^6 f^4 z^2 - 108 a^7 c^3 m^4 z^2 - 27 a^4 b^6 m^4 z^2 - 540 a^5 c^5 j^4 z^2 - 108 a^3 c^7 f^4 z^2 - 216 a^5 b^3 c^3 f^3 j^3 k^3 l^3 m^3 - 54 a^3 b^5 c^3 f^3 j^3 k^3 l^3 m^3 + 27 a^3 b^5 c^3 g^3 h^3 k^3 l^3 m^3 - 27 a^2 b^6 c^3 e^3 g^3 k^3 l^3 m^3 - 27 a^2 b^6 c^3 d^3 h^3 k^3 l^3 m^3 + 432 a^4 b^3 c^4 d^3 g^3 j^3 k^3 m^3 - 432 a^4 b^3 c^4 d^3 e^3 k^3 l^3 m^3 + 216 a^4 b^3 c^4 e^3 g^3 j^3 k^3 l^3 m^3 + 216 a^4 b^3 c^4 e^3 f^3 j^3 k^3 m^3 + 216 a^4 b^3 c^4 d^3 h^3 j^3 k^3 l^3 m^3 + 216 a^4 b^3 c^4 d^3 f^3 j^3 l^3 m^3 z + 216 a^4 b^3 c^4 f^3 g^3 h^3 j^3 m^3 - 27 a^2 b^6 c^2 d^3 e^3 j^3 k^3 l^3 m^3 - 27 a^2 b^6 c^2 d^3 e^3 h^3 k^3 m^3 - 27 a^2 b^6 c^2 d^3 e^3 g^3 l^3 m^3 + 216 a^3 b^3 c^5 d^3 e^3 h^3 j^3 k^3 z + 216 a^3 b^3 c^5 d^3 e^3 g^3 j^3 l^3 z - 216 a^3 b^3 c^5 d^3 e^3 f^3 j^3 m^3 + 27 a^2 b^5 c^3 d^3 e^3 h^3 j^3 k^3 z + 27 a^2 b^5 c^3 d^3 e^3 g^3 j^3 l^3 z + 27 a^2 b^5 c^3 d^3 e^3 g^3 h^3 m^3 - 27 a^2 b^4 c^4 d^3 e^3 g^3 h^3 j^3 z + 27 a^2 b^7 c^3 d^3 e^3 k^3 l^3 m^3 + 270 a^4 b^3 c^2 f^3 j^3 k^3 l^3 m^3 - 108 a^4 b^3 c^2 g^3 h^3 k^3 l^3 m^3 - 216 a^4 b^2 c^3 f^3 h^3 j^3 k^3 m^3 - 216 a^4 b^2 c^3 f^3 g^3 j^3 l^3 m^3 - 216 a^4 b^2 c^3 e^3 g^3 k^3 l^3 m^3 - 216 a^4 b^2 c^3 d^3 h^3 k^3 l^3 m^3 + 162 a^3 b^4 c^2 e^3 g^3 k^3 l^3 m^3 + 162 a^3 b^4 c^2 d^3 h^3 k^3 l^3 m^3 + 108 a^4 b^2 c^3 g^3 h^3 j^3 k^3 l^3 z + 108 a^4 b^2 c^3 e^3 h^3 j^3 l^3 m^3 + 54 a^3 b^4 c^2 f^3 h^3 j^3 k^3 m^3 + 54 a^3 b^4 c^2 f^3 g^3 j^3 l^3 m^3 - 27 a^3 b^4 c^2 g^3 h^3 j^3 k^3 l^3 z + 540 a^3 b^3 c^3 d^3 e^3 k^3 l^3 m^3 - 216 a^2 b^5 c^2 d^3 e^3 k^3 l^3 m^3 - 162 a^3 b^3 c^3 e^3 g^3 j^3 k^3 l^3 z - 162 a^3 b^3 c^3 d^3 h^3 j^3 k^3 l^3 z - 108 a^3 b^3 c^3 d^3 g^3 j^3 k^3 m^3 - 54 a^3 b^3 c^3 e^3 f^3 j^3 k^3 m^3 - 54 a^3 b^3 c^3 d^3 f^3 j^3 l^3 m^3 + 27 a^2 b^5 c^2 e^3 g^3 j^3 k^3 l^3 z + 27 a^2 b^5 c^2 d^3 h^3 j^3 k^3 l^3 z - 108 a^3 b^3 c^3 e^3 g^3 h^3 k^3 m^3 - 108 a^3 b^3 c^3 d^3 g^3 h^3 l^3 m^3 - 54 a^3 b^3 c^3 f^3 g^3 h^3 j^3 m^3 + 27 a^2 b^5 c^2 e^3 g^3 h^3 k^3 m^3 + 27 a^2 b^5 c^2 d^3 g^3 h^3 l^3 m^3 z - 540 a^3 b^2 c^4 d^3 e^3 j^3 k^3 l^3 z + 216 a^2 b^4 c^3 d^3 e^3 j^3 k^3 l^3 z - 216 a^3 b^2 c^4 d^3 e^3 h^3 k^3 m^3 - 216 a^3 b^2 c^4 d^3 e^3 g^3 l^3 m^3 + 162 a^2 b^4 c^3 d^3 e^3 h^3 k^3 m^3 z + 162 a^2 b^4 c^3 d^3 e^3 g^3 l^3 m^3 + 108 a^3 b^2 c^4 e^3 g^3 h^3 j^3 k^3 z - 108 a^3 b^2 c^4 e^3 f^3 h^3 j^3 l^3 z + 108 a^3 b^2 c^4 d^3 g^3 h^3 j^3 l^3 z + 108 a^3 b^2 c^4 d^3 f^3 g^3 k^3 m^3 z - 27 a^2 b^4 c^3 e^3 g^3 h^3 j^3 k^3 z - 27 a^2 b^4 c^3 d^3 g^3 h^3 j^3 l^3 z - 162 a^2 b^3 c^4 d^3 e^3 h^3 j^3 k^3 z - 162 a^2 b^3 c^4 d^3 e^3 g^3 j^3 l^3 z + 54 a^2 b^3 c^4 d^3 e^3 f^3 j^3 m^3 - 108 a^2 b^3 c^4 d^3 e^3 g^3 h^3 m^3 + 108 a^2 b^2 c^5 d^3 e^3 g^3 h^3 j^3 z + 324 a^6 b^3 c^2 j^3 k^3 l^3 m^2 z - 81 a^5 b^3 c^3 j^3 k^3 l^3 m^2 z + 27 a^4 b^4 c^3 j^2 k^3 l^3 m^3 - 27 a^4 b^4 c^3 h^3 k^2 l^3 m^3 - 27 a^4 b^4 c^3 g^3 k^2 l^3 m^3 + 216 a^5 b^3 c^3 h^3 j^2 k^3 m^3 + 216 a^5 b^3 c^3 g^3 j^2 l^3 m^3 + 54 a^4 b^4 c^3 f^3 k^3 l^3 m^2 z + 27 a^4 b^4 c^3 h^3 j^3 k^3 m^2 z + 27 a^4 b^4 c^3 g^3 j^3 l^3 m^2 z + 27 a^2 b^6 c^3 f^2 k^3 l^3 m^3 + 216 a^5 b^3 c^3 e^3 k^2 l^3 m^3 - 108 a^5 b^3 c^3 h^3 j^3 k^2 l^3 z + 27 a^3 b^5 c^3 e^3 k^2 l^3 m^3 + 216 a^5 b^3 c^3 d^3 k^2 l^3 m^3 + 216 a^4 b^3 c^4 e^2 j^3 l^3 m^3 - 108 a^5 b^3 c^3 g^3 j^3 k^2 l^3 z + 27 a^3 b^5 c^3 d^3 k^2 l^3 m^3 - 324 a^5 b^3 c^3 e^3 j^3 k^3 m^2 z - 324 a^5 b^3 c^3 d^3 j^3 l^3 m^2 z - 216 a^5 b^3 c^3 f^3 h^3 l^2 m^3 - 108 a^4 b^3 c^4 f^2 j^3 k^3 l^3 z - 27 a^3 b^5 c^3 e^3 j^3 k^3 m^2 z - 27 a^3 b^5 c^3 d^3 j^3 l^3 m^2 z - 324 a^5 b^3 c^3 g^3 h^3 j^3 m^2 z + 216 a^5 b^3 c^3 f^3 h^3 k^3 m^2 z + 216 a^5 b^3 c^3 f^3 g^3 l^3 m^2 z + 216 a^5 b^3 c^3 e^3 h^3 l^3 m^2 z - 216 a^4 b^3 c^4 f^2 h^3 k^3 m^3 - 216 a^4 b^3 c^4 f^2 g^3 l^3 m^3 - 27 a^3 b^5 c^3 g^3 h^3 j^3 m^2 z + 216 a^4 b^3 c^4 e^3 g^2 l^3 m^3 - 108 a^4 b^3 c^4 g^2 h^3 j^3 l^3 z - 216 a^4 b^3 c^4 f^3 h^2 j^3 l^3 z + 216 a^4 b^3 c^4 e^3 h^2 j^3 m^3 + 216 a^4 b^3 c^4 d^3 h^2 k^3 m^3 z - 108 a^4 b^3 c^4 g^3 h^2 j^3 k^3 z - 432 a^4 b^3 c^4 e^3 g^3 j^2 m^3 - 432 a^4 b^3 c^4 d^3 h^3 j^2 m^3 + 216 a^4 b^3 c^4 f^3 h^3 j^2 k^3 z + 216 a^4 b^3 c^4 f^3 g^3 j^2 l^3 z + 27 a^
\end{aligned}$$

$$\begin{aligned}
& a^2b^6c^*eg^*jm^2z + 27a^2b^6c^*d^*h^*jm^2z - 432a^3b^*c^5d^2g^*jm^* \\
& z - 216a^4b^*c^4f^*g^*jk^2z + 216a^3b^*c^5d^2f^*k^*m^*z + 216a^3b^*c^5d^2 \\
& e^*l^*m^*z - 108a^4b^*c^4e^*h^*jk^2z - 108a^4b^*c^4d^*g^*k^2l^*z - 108a^3 \\
& b^*c^5d^2h^*j^*l^*z + 108a^3b^*c^5d^2g^*k^*l^*z - 54a^*b^5c^3d^2g^*jm^*z \\
& + 27a^*b^5c^3d^2g^*k^*l^*z + 27a^*b^5c^3d^2e^*l^*m^*z - 216a^4b^*c^4e^*f^*j \\
& *l^2z + 216a^3b^*c^5d^*e^2k^*m^*z - 108a^4b^*c^4d^*g^*j^*l^2z - 108a^3b^* \\
& c^5e^2g^*j^*k^*z + 27a^*b^5c^3d^*e^2k^*m^*z + 324a^4b^*c^4d^*e^*j^*m^2z + 21 \\
& 6a^3b^*c^5e^2f^*h^*m^*z - 108a^4b^*c^4e^*g^*h^*l^2z + 108a^3b^*c^5e^2g^*h \\
& *l^2z + 108a^3b^*c^5e^*f^2j^*k^*z + 108a^3b^*c^5d^*f^2j^*l^*z + 27a^*b^6c^2 \\
& *d^*e^*j^2m^*z - 216a^3b^*c^5e^*f^2h^*l^*z + 108a^3b^*c^5f^2g^*h^*j^*z - 27a^* \\
& b^4c^4d^2e^*j^*l^*z + 216a^3b^*c^5d^*f^*g^2m^*z - 108a^3b^*c^5e^*g^2h^*j^* \\
& z + 54a^*b^4c^4d^2f^*g^*m^*z - 27a^*b^4c^4d^2g^*h^*k^*z - 27a^*b^4c^4d^2 \\
& e^*h^*m^*z - 27a^*b^4c^4d^*e^2j^*k^*z - 108a^3b^*c^5d^*g^*h^2j^*z + 54a^*b^4c^4 \\
& d^*e^2h^*l^*z + 27a^*b^6c^2d^*e^*h^*l^2z - 27a^*b^5c^3d^*e^*h^2l^*z - 27a^* \\
& b^4c^4d^*e^2g^*m^*z - 27a^*b^4c^4d^*e^*f^2m^*z + 216a^2b^*c^6d^2f^*g^*j^*z \\
& - 108a^3b^*c^5d^*e^*g^*k^2z - 108a^2b^*c^6d^2e^*h^*j^*z + 108a^2b^*c^6d^2 \\
& e^*g^*k^*z - 54a^*b^3c^5d^2f^*g^*j^*z - 27a^*b^5c^3d^*e^*g^*k^2z + 27a^*b^4c^4 \\
& d^*e^*g^2k^*z + 27a^*b^3c^5d^2e^*h^*j^*z - 27a^*b^3c^5d^2e^*g^*k^*z - 108 \\
& a^2b^*c^6d^*e^2g^*j^*z + 27a^*b^3c^5d^*e^2g^*j^*z - 108a^2b^*c^6d^*e^*f^2j^* \\
& *z + 27a^*b^3c^5d^*e^*f^2j^*z - 432a^5c^4e^*h^*j^*l^*m^*z + 432a^4c^5d^*e^*j \\
& *k^*l^*z + 432a^4c^5e^*f^*h^*j^*l^*z - 432a^4c^5d^*f^*g^*k^*m^*z - 27a^*b^7c^*d^*e \\
& *j^*m^2z - 54a^5b^2c^2j^2k^*l^*m^*z + 108a^5b^2c^2h^*k^2l^*m^*z + 108a^5 \\
& b^2c^2g^*k^*l^2m^*z - 54a^5b^2c^2h^*j^*l^2m^*z + 378a^4b^2c^3f^2k^* \\
& *l^*m^*z - 270a^5b^2c^2f^*k^*l^*m^2z - 189a^3b^4c^2f^2k^*l^*m^*z - 108a^5 \\
& b^2c^2h^*j^*k^*m^2z - 108a^5b^2c^2g^*j^*l^*m^2z - 54a^4b^3c^2h^*j^2* \\
& k^*m^*z - 54a^4b^3c^2g^*j^2l^*m^*z - 162a^4b^3c^2e^*k^2l^*m^*z + 54a^4b^ \\
& ^2c^3g^2j^*k^*m^*z + 27a^4b^3c^2h^*j^*k^2l^*z - 162a^4b^3c^2d^*k^*l^2m^* \\
& *z + 108a^4b^2c^3g^2h^*l^*m^*z - 54a^3b^3c^3e^2j^*l^*m^*z + 27a^4b^3c^2 \\
& g^*j^*k^*l^2z - 27a^3b^4c^2g^2h^*l^*m^*z - 270a^4b^2c^3f^*j^2k^*l^*z \\
& + 189a^4b^3c^2e^*j^*k^*m^2z + 189a^4b^3c^2d^*j^*l^*m^2z - 162a^4b^2c^3 \\
& e^*j^2k^*m^*z - 162a^4b^2c^3d^*j^2l^*m^*z + 135a^3b^3c^3f^2j^*k^*l^*z \\
& + 108a^4b^2c^3g^*h^2k^*m^*z + 54a^4b^3c^2f^*h^*l^2m^*z - 54a^4b^2c^3 \\
& f^*h^2l^*m^*z + 54a^3b^4c^2f^*j^2k^*l^*z - 27a^3b^4c^2g^*h^2k^*m^*z + 27 \\
& a^3b^4c^2e^*j^2k^*m^*z + 27a^3b^4c^2d^*j^2l^*m^*z - 27a^2b^5c^2f^2* \\
& j^*k^*l^*z - 270a^3b^2c^4d^2j^*k^*m^*z + 189a^4b^3c^2g^*h^*j^*m^2z - 162a^4 \\
& b^2c^3g^*h^*j^2m^*z + 162a^4b^2c^3e^*j^*k^2l^*z + 162a^3b^3c^3f^2* \\
& h^*k^*m^*z + 162a^3b^3c^3f^2g^*l^*m^*z - 54a^4b^3c^2f^*h^*k^*m^2z - 54a^4 \\
& b^3c^2f^*g^*l^*m^2z - 54a^4b^3c^2e^*h^*l^*m^2z + 54a^4b^2c^3d^*j^*k^2* \\
& m^*z + 54a^2b^4c^3d^2j^*k^*m^*z + 27a^3b^4c^2g^*h^*j^2m^*z - 27a^3b^4c^2 \\
& e^*j^*k^2l^*z - 27a^2b^5c^2f^2h^*k^*m^*z - 27a^2b^5c^2f^2g^*l^*m^*z + \\
& 162a^4b^2c^3d^*j^*k^*l^2z - 162a^3b^3c^3e^*g^2l^*m^*z + 108a^4b^2c^3 \\
& e^*h^*k^2m^*z + 108a^3b^2c^4d^2h^*l^*m^*z - 54a^4b^2c^3f^*g^*k^2m^*z - \\
& 27a^3b^4c^2e^*h^*k^2m^*z - 27a^3b^4c^2d^*j^*k^*l^2z + 27a^3b^3c^3g^2 \\
& h^*j^*l^*z + 27a^2b^5c^2e^*g^2l^*m^*z - 27a^2b^4c^3d^2h^*l^*m^*z + 270a^4 \\
& b^2c^3f^*h^*j^*l^2z - 270a^3b^2c^4e^2h^*j^*m^*z - 162a^4b^2c^3e^*h^* \\
& k^*l^2z - 162a^3b^3c^3d^*h^2k^*m^*z + 162a^3b^2c^4e^2h^*k^*l^*z + 108a^4 \\
& b^2c^3d^*g^*l^2m^*z + 108a^3b^2c^4e^2g^*k^*m^*z - 54a^4b^2c^3e^*f^*l^2 \\
& m^*z - 54a^3b^4c^2f^*h^*j^*l^2z + 54a^3b^3c^3f^*h^2j^*l^*z - 54a^3b^ \\
& ^3c^3e^*h^2j^*m^*z + 54a^3b^2c^4e^2f^*l^*m^*z + 54a^2b^4c^3e^2h^*j^*m^* \\
& z + 27a^3b^4c^2e^*h^*k^*l^2z - 27a^3b^4c^2d^*g^*l^2m^*z + 27a^3b^3c^3 \\
& g^*h^2j^*k^*z + 27a^2b^5c^2d^*h^2k^*m^*z - 27a^2b^4c^3e^2h^*k^*l^*z - 2 \\
& 7a^2b^4c^3e^2g^*k^*m^*z + 432a^4b^2c^3e^*g^*j^*m^2z + 432a^4b^2c^3d^ \\
& *h^*j^*m^2z - 270a^4b^2c^3d^*g^*k^*m^2z - 216a^3b^4c^2e^*g^*j^*m^2z - 21 \\
& 6a^3b^4c^2d^*h^*j^*m^2z + 216a^3b^3c^3e^*g^*j^2m^*z + 216a^3b^3c^3d^ \\
& *h^*j^2m^*z - 162a^3b^2c^4e^*f^2k^*m^*z - 162a^3b^2c^4d^*f^2l^*m^*z - 10 \\
& 8a^3b^2c^4f^2h^*j^*k^*z - 108a^3b^2c^4f^2g^*j^*l^*z + 54a^4b^2c^3e^* \\
& f^*k^*m^2z + 54a^4b^2c^3d^*f^*l^*m^2z + 54a^3b^4c^2d^*g^*k^*m^2z - 54a^3 \\
& b^3c^3f^*h^*j^2k^*z - 54a^3b^3c^3f^*g^*j^2l^*z - 27a^2b^5c^2e^*g^*j^2 \\
& m^*z - 27a^2b^5c^2d^*h^*j^2m^*z + 27a^2b^4c^3f^2h^*j^*k^*z + 27a^2b^4
\end{aligned}$$

$$\begin{aligned}
& *c^3*f^2*g*j*1*z + 27*a^2*b^4*c^3*e*f^2*k*m*z + 27*a^2*b^4*c^3*d*f^2*l*m*z \\
& + 324*a^2*b^3*c^4*d^2*g*j*m*z - 270*a^3*b^2*c^4*d*g^2*j*m*z - 162*a^3*b^2*c^4 \\
& ^4*f^2*g*h*m*z + 162*a^3*b^2*c^4*e*g^2*j*1*z - 162*a^2*b^3*c^4*d^2*e*1*m*z \\
& - 135*a^2*b^3*c^4*d^2*g*k*1*z + 108*a^3*b^2*c^4*d*g^2*k*1*z + 54*a^4*b^2*c^4 \\
& ^3*f*g*h*m^2*z + 54*a^3*b^3*c^3*f*g*j*k^2*z - 54*a^3*b^2*c^4*f*g^2*j*k*z + 5 \\
& 4*a^2*b^4*c^3*d*g^2*j*m*z - 54*a^2*b^3*c^4*d^2*f*k*m*z + 27*a^3*b^3*c^3*e*h \\
& *j*k^2*z + 27*a^3*b^3*c^3*d*g*k^2*1*z + 27*a^2*b^4*c^3*f^2*g*h*m*z - 27*a^2 \\
& *b^4*c^3*e*g^2*j*1*z - 27*a^2*b^4*c^3*d*g^2*k*1*z + 27*a^2*b^3*c^4*d^2*h*j* \\
& 1*z + 162*a^3*b^2*c^4*d*h^2*j*k*z - 162*a^2*b^3*c^4*d*e^2*k*m*z + 108*a^3*b \\
& ^2*c^4*e*g^2*h*m*z + 54*a^3*b^3*c^3*e*f*j*1^2*z + 27*a^3*b^3*c^3*d*g*j*1^2* \\
& z - 27*a^2*b^4*c^3*e*g^2*h*m*z - 27*a^2*b^4*c^3*d*h^2*j*k*z + 27*a^2*b^3*c^4 \\
& ^4*e^2*g*j*k*z - 621*a^3*b^3*c^3*d*e*j*m^2*z + 594*a^3*b^2*c^4*d*e*j^2*m*z + \\
& 243*a^2*b^5*c^2*d*e*j*m^2*z - 243*a^2*b^4*c^3*d*e*j^2*m*z + 135*a^3*b^3*c^4 \\
& ^3*e*g*h*1^2*z - 108*a^3*b^2*c^4*e*g*h^2*1*z + 108*a^3*b^2*c^4*d*g*h^2*m*z + \\
& 54*a^3*b^2*c^4*e*f*j^2*k*z + 54*a^3*b^2*c^4*e*f*h^2*m*z + 54*a^3*b^2*c^4*d \\
& *g*j^2*k*z + 54*a^3*b^2*c^4*d*f*j^2*1*z - 54*a^2*b^3*c^4*e^2*f*h*m*z - 27*a \\
& ^2*b^5*c^2*e*g*h*1^2*z + 27*a^2*b^4*c^3*e*g*h^2*1*z - 27*a^2*b^4*c^3*d*g*h^ \\
& 2*m*z - 27*a^2*b^3*c^4*e^2*g*h*1*z - 27*a^2*b^3*c^4*e*f^2*j*k*z - 27*a^2*b^ \\
& 3*c^4*d*f^2*j*1*z + 162*a^2*b^2*c^5*d^2*e*j*1*z + 54*a^3*b^2*c^4*f*g*h*j^2* \\
& z - 54*a^3*b^2*c^4*d*f*j*k^2*z + 54*a^2*b^3*c^4*e*f^2*h*1*z + 54*a^2*b^2*c^ \\
& 5*d^2*f*j*k*z - 27*a^2*b^3*c^4*f^2*g*h*j*z - 270*a^2*b^2*c^5*d^2*f*g*m*z - \\
& 162*a^3*b^2*c^4*d*g*h*k^2*z + 162*a^2*b^2*c^5*d^2*g*h*k*z + 162*a^2*b^2*c^5 \\
& *d*e^2*j*k*z + 108*a^2*b^2*c^5*d^2*e*h*m*z - 54*a^2*b^3*c^4*d*f*g^2*m*z + 2 \\
& 7*a^2*b^4*c^3*d*g*h*k^2*z + 27*a^2*b^3*c^4*e*g^2*h*j*z + 270*a^3*b^2*c^4*d* \\
& e*h*1^2*z - 270*a^2*b^2*c^5*d*e^2*h*1*z - 162*a^2*b^4*c^3*d*e*h*1^2*z + 108 \\
& *a^2*b^3*c^4*d*e*h^2*1*z + 108*a^2*b^2*c^5*d*e^2*g*m*z + 54*a^2*b^2*c^5*e^2 \\
& *f*h*j*z + 27*a^2*b^3*c^4*d*g*h^2*j*z + 162*a^2*b^2*c^5*d*e*f^2*m*z - 54*a^ \\
& 3*b^2*c^4*d*e*f*m^2*z - 54*a^2*b^2*c^5*d*f^2*g*k*z + 135*a^2*b^3*c^4*d*e*g* \\
& k^2*z - 108*a^2*b^2*c^5*d*e*g^2*k*z + 54*a^2*b^2*c^5*d*f*g^2*j*z - 54*a^2*b \\
& ^2*c^5*d*e*f*j^2*z - 9*a*b^7*c*d*e*1^3*z - 36*a*b*c^7*d^3*e*g*z - 108*a^6*b \\
& *c^2*k^2*1^2*m*z + 27*a^5*b^3*c*k^2*1^2*m*z - 18*a^5*b^2*c^2*j*k^3*m*z - 27 \\
& *a^4*b^3*c^2*j^3*k*1*z - 108*a^5*b*c^3*h^2*k^2*m*z - 108*a^5*b*c^3*g^2*1^2* \\
& m*z + 108*a^5*b*c^3*h^2*k*1^2*z + 108*a^5*b*c^3*g^2*k*m^2*z + 90*a^5*b^2*c^ \\
& 2*f*1^3*m*z - 18*a^5*b^2*c^2*h*k*1^3*z + 18*a^4*b^2*c^3*h^3*k*1*z + 18*a^4* \\
& b^2*c^3*h^3*j*m*z - 108*a^5*b*c^3*h*j^2*1^2*z + 18*a^4*b^3*c^2*f*k^3*m*z - \\
& 18*a^3*b^3*c^3*g^3*j*m*z - 9*a^4*b^3*c^2*g*k^3*1*z + 9*a^3*b^3*c^3*g^3*k*1* \\
& z + 252*a^4*b^2*c^3*f*j^3*m*z + 216*a^5*b*c^3*f*j^2*m^2*z + 180*a^3*b^2*c^4 \\
& *f^3*j*m*z - 108*a^4*b*c^4*e^2*k^2*m*z - 108*a^4*b*c^4*d^2*1^2*m*z + 90*a^5 \\
& *b^2*c^2*e*k*m^3*z + 90*a^5*b^2*c^2*d*1*m^3*z - 90*a^3*b^2*c^4*f^3*k*1*z + \\
& 54*a^3*b^5*c*f*j^2*m^2*z - 54*a^3*b^4*c^2*f*j^3*m*z + 36*a^5*b^2*c^2*f*j*m^ \\
& 3*z + 36*a^4*b^2*c^3*h*j^3*k*z + 36*a^4*b^2*c^3*g*j^3*1*z - 36*a^2*b^4*c^3* \\
& f^3*j*m*z - 27*a^2*b^6*c*f^2*j*m^2*z + 18*a^2*b^4*c^3*f^3*k*1*z - 216*a^4*b \\
& *c^4*d^2*k*m^2*z + 108*a^5*b*c^3*d*k^2*m^2*z - 108*a^4*b^3*c^2*f*j*1^3*z - \\
& 108*a^4*b*c^4*g^2*h^2*m*z + 108*a^2*b^3*c^4*e^3*j*m*z + 90*a^5*b^2*c^2*g*h* \\
& m^3*z + 54*a^4*b^3*c^2*e*k*1^3*z - 54*a^2*b^3*c^4*e^3*k*1*z + 234*a^2*b^2*c^ \\
& ^5*d^3*j*m*z - 144*a^2*b^2*c^5*d^3*k*1*z + 90*a^4*b^2*c^3*f*j*k^3*z - 72*a^ \\
& 4*b^2*c^3*d*k^3*1*z + 27*a^4*b^3*c^2*g*h*1^3*z - 27*a^3*b^3*c^3*g*h^3*1*z - \\
& 18*a^3*b^4*c^2*f*j*k^3*z + 9*a^3*b^4*c^2*d*k^3*1*z + 216*a^4*b*c^4*f^2*h*1 \\
& ^2*z - 216*a^4*b*c^4*e^2*h*m^2*z + 108*a^4*b*c^4*g^2*h*k^2*z - 18*a^4*b^2*c^ \\
& ^3*g*h*k^3*z + 18*a^3*b^2*c^4*g^3*h*k*z + 18*a^3*b^2*c^4*f*g^3*m*z + 9*a^3* \\
& b^4*c^2*g*h*k^3*z - 9*a^3*b^3*c^3*e*j^3*k*z - 9*a^3*b^3*c^3*d*j^3*1*z - 144 \\
& *a^4*b^3*c^2*e*g*m^3*z - 144*a^4*b^3*c^2*d*h*m^3*z - 108*a^3*b*c^5*e^2*g^2* \\
& m*z + 108*a^3*b*c^5*d^2*j^2*k*z - 108*a^3*b*c^5*d^2*h^2*m*z - 18*a^2*b^3*c^ \\
& 4*f^3*h*k*z - 18*a^2*b^3*c^4*f^3*g*1*z - 9*a^3*b^3*c^3*g*h*j^3*z - 216*a^4* \\
& b*c^4*d*g^2*m^2*z + 144*a^4*b^2*c^3*e*g*1^3*z - 126*a^3*b^2*c^4*d*h^3*1*z - \\
& 108*a^4*b*c^4*d*h^2*1^2*z - 108*a^3*b*c^5*f^2*g^2*k*z - 108*a^3*b*c^5*e^2* \\
& h^2*k*z - 90*a^2*b^2*c^5*e^3*f*m*z + 72*a^2*b^2*c^5*e^3*g*1*z - 63*a^3*b^4* \\
& c^2*e*g*1^3*z - 36*a^3*b^4*c^2*d*h*1^3*z + 27*a^2*b^4*c^3*d*h^3*1*z + 27*a* \\
& b^6*c^2*d^2*g*m^2*z - 18*a^4*b^2*c^3*d*h*1^3*z - 18*a^3*b^2*c^4*f*h^3*j*z -
\end{aligned}$$

$$\begin{aligned}
& 18a^3b^2c^4e^3h^3k^2z + 18a^2b^2c^5e^3h^3k^2z + 108a^3b^2c^5e^2h^3j^2z + 54a^3b^3c^3d^3h^3k^3z + 27a^3b^3c^3e^3g^3k^3z - 27a^2b^3c^4e^3g^3k^3z + 27a^2b^3c^4d^3g^3l^3z - 27a^2b^4c^4d^2g^2l^3z - 9a^2b^5c^2e^3g^3k^3z - 9a^2b^5c^2d^3h^3k^3z + 207a^3b^4c^2d^3e^3m^3z - 108a^2b^4c^6d^2e^2m^3z - 90a^4b^2c^3d^3e^3m^3z - 72a^3b^2c^4e^3g^3j^3z - 72a^3b^2c^4d^3h^3j^3z + 27a^2b^3c^5d^2e^2m^3z + 18a^2b^2c^5e^3f^3k^3z + 18a^2b^2c^5d^3f^3l^3z + 9a^2b^4c^3e^3g^3j^3z + 9a^2b^4c^3d^3h^3j^3z - 216a^3b^3c^5d^3e^2l^2z - 198a^3b^3c^3d^3e^2l^3z + 108a^3b^3c^5d^3g^2j^2z - 108a^3b^3c^5d^3f^2k^2z + 72a^2b^5c^2d^3e^2l^3z - 27a^2b^5c^3d^3e^2l^2z + 27a^2b^4c^4d^2g^2j^2z + 18a^2b^2c^5f^3g^3h^3z + 144a^3b^2c^4d^3e^3k^3z - 63a^2b^4c^3d^3e^3k^3z + 27a^2b^4c^4d^2e^3k^2z - 9a^2b^3c^4e^3g^3h^3z - 108a^2b^3c^6d^2g^2h^3z + 81a^2b^3c^4d^3e^3j^3z + 27a^2b^3c^5d^2g^2h^3z - 27a^2b^2c^6d^2e^2j^3z - 18a^2b^2c^5d^3g^3h^3z + 108a^2b^2c^6d^3e^2h^2z - 27a^2b^3c^5d^3e^2h^2z + 27a^2b^2c^6d^2f^2g^3z - 18a^2b^2c^5d^3e^3h^3z - 216a^6c^3j^2k^2l^2m^3z + 216a^6c^3h^3j^2l^2m^3z + 216a^6c^3f^3k^2l^2m^3z - 216a^5c^4f^2k^2l^2m^3z - 216a^5c^4g^2j^2k^2m^3z + 216a^5c^4f^2j^2k^2l^2m^3z + 216a^5c^4f^2h^2l^2m^3z + 216a^5c^4e^2j^2k^2m^3z + 216a^5c^4d^2j^2l^2m^3z + 216a^5c^4g^3h^2j^2m^3z - 216a^5c^4e^2j^2k^2l^2m^3z - 216a^5c^4d^2j^2k^2m^3z + 216a^4c^5d^2j^2k^2m^3z - 18a^6b^2c^2k^2l^2m^3z + 216a^5c^4f^2g^2k^2m^3z - 216a^5c^4d^2j^2k^2l^2m^3z - 72a^6b^2c^2j^2l^2m^3z + 18a^5b^3c^2j^2l^2m^3z - 216a^5c^4f^2h^2j^2l^2m^3z + 216a^5c^4e^2h^2k^2l^2m^3z + 216a^5c^4e^2f^2l^2m^3z - 216a^4c^5e^2h^2k^2l^2m^3z + 216a^4c^5e^2h^2j^2m^3z - 216a^4c^5e^2f^2l^2m^3z - 216a^5c^4e^2f^2k^2m^3z + 216a^5c^4d^2g^2k^2m^3z - 216a^5c^4d^2f^2l^2m^3z + 216a^4c^5e^2f^2k^2m^3z + 216a^4c^5d^2f^2l^2m^3z + 108a^5b^3c^3j^3k^2l^2m^3z - 216a^5c^4f^2g^2h^2m^3z + 216a^4c^5f^2g^2h^2m^3z + 216a^4c^5f^2j^2k^2z - 216a^4c^5e^2g^2j^2l^2z + 216a^4c^5d^2g^2j^2m^3z - 72a^6b^2c^2h^2k^2m^3z - 72a^6b^2c^2g^2l^2m^3z + 54a^5b^3c^2h^2k^2m^3z + 54a^5b^3c^2g^2l^2m^3z - 216a^4c^5d^2h^2j^2k^2z - 18a^4b^4c^2f^2l^2m^3z + 9a^4b^4c^2h^2k^2l^2m^3z - 216a^4c^5e^2f^2j^2k^2z - 216a^4c^5e^2f^2h^2m^3z - 216a^4c^5d^2g^2j^2k^2z - 216a^4c^5d^2f^2j^2l^2z - 216a^4c^5d^2e^2j^2m^3z - 72a^5b^3c^3f^2k^2m^3z + 72a^4b^3c^4g^3j^2m^3z + 36a^5b^3c^3g^2k^3l^2z - 36a^4b^3c^4g^3k^2l^2z - 216a^4c^5f^2g^2h^2j^2z + 216a^4c^5d^2f^2j^2k^2z - 216a^3c^6d^2f^2j^2k^2z - 216a^3c^6d^2e^2j^2l^2z + 72a^4b^4c^2f^2j^2m^3z - 63a^4b^4c^2e^2k^2m^3z - 63a^4b^4c^2d^2l^2m^3z + 216a^4c^5d^2g^2h^2k^2z - 216a^3c^6d^2g^2h^2k^2z + 216a^3c^6d^2f^2g^2m^3z - 216a^3c^6d^2e^2j^2k^2z + 144a^5b^3c^3f^2j^2l^2z - 144a^3b^3c^5e^3j^2m^3z - 72a^5b^3c^3e^2k^2l^2z + 72a^3b^3c^5e^3k^2l^2z - 63a^4b^4c^2g^2h^2m^3z + 18a^3b^5c^2f^2j^2l^2z - 18a^2b^5c^3e^3j^2m^3z - 9a^3b^5c^2e^2k^2l^2z + 9a^2b^5c^3e^3k^2l^2z - 216a^4c^5d^2e^2h^2l^2z - 216a^3c^6e^2f^2h^2j^2z + 216a^3c^6d^2e^2h^2l^2z - 126a^2b^4c^4d^3j^2m^3z + 108a^4b^3c^4g^2h^3l^2z + 63a^2b^4c^4d^3k^2l^2z + 36a^5b^3c^3g^2h^2l^2z - 9a^3b^5c^2g^2h^2l^2z + 216a^4c^5d^2e^2f^2m^3z + 216a^3c^6d^2f^2g^2k^2z - 216a^3c^6d^2e^2f^2m^3z + 36a^4b^3c^4e^2j^2k^2z + 36a^4b^3c^4d^2j^3l^2z - 216a^3c^6d^2f^2g^2j^2z + 72a^3b^5c^2e^3g^2m^3z + 72a^3b^5c^2d^3h^2m^3z + 72a^3b^3c^5f^3h^2k^2z + 72a^3b^3c^5f^3g^2l^2z + 36a^4b^3c^4g^2h^2j^3z + 18a^2b^4c^4e^3f^2m^3z + 9a^2b^6c^2e^3g^2l^2z + 9a^2b^6c^2d^3h^2l^2z - 9a^2b^4c^4e^3h^2k^2z - 9a^2b^4c^4e^3g^2l^2z + 216a^3c^6d^2e^2f^2j^2z - 144a^2b^3c^6d^3f^2m^3z + 108a^3b^3c^5e^3g^3k^2z - 108a^3b^3c^5d^3g^3l^2z + 108a^2b^3c^5d^3f^2m^3z - 72a^4b^3c^4d^3h^2k^3z + 72a^2b^3c^6d^3h^2k^3z - 54a^2b^3c^5d^3h^2k^3z + 36a^4b^3c^4e^3g^2k^3z - 36a^2b^3c^6d^3g^2l^2z - 27a^2b^3c^5d^3g^2l^2z - 81a^2b^6c^2d^3e^2m^3z + 216a^4b^3c^4d^3e^2l^3z + 72a^2b^3c^6e^3f^2j^2z + 72a^2b^3c^6d^3e^3l^2z - 18a^2b^3c^5e^3f^2j^2z - 18a^2b^3c^5d^3e^3l^2z - 90a^2b^2c^6d^3f^2j^2z + 72a^2b^2c^6d^3e^2k^2z + 36a^3b^3c^5e^3g^2h^3z - 36a^2b^3c^6e^3g^2h^3z + 9a^2b^6c^2d^2e^2k^3z + 9a^2b^3c^5e^3g^2h^3z - 180a^3b^3c^5d^2e^2j^3z + 18a^2b^2c^6d^3g^2h^3z - 9a^2b^5c^3d^2e^2j^3z + 18a^2b^2c^6d^2e^3h^3z + 9a^2b^4c^4d^2e^2h^3z + 36a^2b^3c^6d^2e^2g^3z - 9a^2b^3c^5d^2e^2g^3z - 18a^2b^2c^6d^2e^2f^3z + 27a^5b^2c^2h^2l^2m^2z - 27a^5b^2c^2j^2k^2l^2m^2z + 27a^4b^3c^2h^2k^2m^2z + 27a^4b^3c^2g^2l^2m^2z
\end{aligned}$$

$$\begin{aligned}
& *z + 27a^5b^2c^2g^2k^2m^2z - 27a^4b^3c^2h^2k^2l^2z - 27a^4b^3c^2g^2k^2m^2z - 135a^4b^2c^3e^2l^2m^2z + 27a^5b^2c^2e^2l^2m^2z + \\
& 27a^4b^3c^2h^2j^2l^2z - 27a^4b^2c^3h^2j^2l^2z + 27a^3b^4c^2e^2l^2m^2z - 270a^4b^3c^2f^2j^2m^2z - 270a^4b^2c^3f^2j^2m^2z + 16 \\
& 2a^3b^4c^2f^2j^2m^2z - 108a^3b^3c^3f^2j^2m^2z - 27a^4b^2c^3h^2j^2k^2z - 27a^4b^2c^3g^2j^2l^2z + 27a^3b^3c^3e^2k^2m^2z + 27a^3b^3c^3d^2l^2m^2z + 27a^2b^5c^2f^2j^2m^2z + 162a^3b^3c^3d^2k^2m^2z - 27a^4b^3c^2d^2k^2m^2z - 27a^4b^2c^3g^2j^2k^2z + 27a^3b^3c^3g^2h^2m^2z - 27a^2b^5c^2d^2k^2m^2z + 162a^3b^2c^4d^2k^2l^2z - 108a^4b^2c^3g^2h^2l^2z - 27a^4b^2c^3e^2j^2l^2z + 27a^3b^4c^2g^2h^2l^2z + 27a^3b^2c^4e^2j^2l^2z - 27a^2b^4c^3d^2k^2l^2z - 162a^3b^3c^3f^2h^2l^2z + 162a^3b^3c^3e^2h^2m^2z - 135a^4b^2c^3e^2h^2m^2z + 135a^3b^2c^4f^2h^2l^2z + 27a^3b^4c^2e^2h^2m^2z - 27a^3b^3c^3g^2h^2k^2z - 27a^3b^2c^4e^2j^2k^2z - 27a^3b^2c^4d^2j^2l^2z + 27a^2b^5c^2f^2h^2l^2z - 27a^2b^5c^2e^2h^2m^2z - 27a^2b^4c^3f^2h^2l^2z - 27a^3b^2c^4g^2h^2j^2z + 27a^2b^3c^4e^2g^2m^2z - 27a^2b^3c^4d^2j^2k^2z + 27a^2b^3c^4d^2h^2m^2z + 351a^3b^2c^4d^2g^2m^2z - 189a^2b^4c^3d^2g^2m^2z + 162a^3b^3c^3d^2g^2m^2z - 162a^3b^2c^4e^2g^2l^2z + 135a^3b^3c^3d^2h^2l^2z + 135a^3b^2c^4f^2g^2k^2z - 27a^2b^5c^2d^2h^2l^2z - 27a^2b^5c^2d^2g^2m^2z - 27a^2b^4c^3f^2g^2k^2z + 27a^2b^4c^3e^2g^2l^2z + 27a^2b^3c^4f^2g^2k^2z + 27a^2b^3c^4e^2h^2k^2z + 135a^3b^2c^4e^2f^2l^2z - 108a^3b^2c^4e^2g^2k^2z + 108a^2b^2c^5d^2g^2l^2z + 27a^3b^2c^4e^2h^2j^2z + 27a^2b^4c^3e^2g^2k^2z - 27a^2b^4c^3e^2f^2l^2z - 27a^2b^3c^4e^2h^2j^2z - 27a^2b^2c^5e^2f^2l^2z - 27a^2b^2c^5e^2g^2j^2z - 27a^2b^2c^5d^2h^2j^2z + 162a^2b^3c^4d^2e^2l^2z - 135a^2b^2c^5d^2g^2j^2z - 27a^2b^3c^4d^2g^2j^2z + 27a^2b^3c^4d^2f^2k^2z - 162a^2b^2c^5d^2e^2k^2z - 27a^2b^2c^5e^2f^2h^2z - 72a^7c^2k^2l^2m^3z + 9a^5b^4k^2l^2m^3z + 72a^6c^3j^2k^3m^2z - 72a^6c^3h^2k^2l^3z - 72a^6c^3f^2l^3m^2z - 72a^5c^4h^3k^2l^2z - 72a^5c^4h^3j^2m^2z - 9a^4b^5h^2k^2m^3z - 9a^4b^5g^2l^2m^3z - 144a^6c^3f^2j^2m^3z - 144a^5c^4h^2j^3k^2z - 144a^5c^4g^2j^3l^2z - 144a^5c^4f^2j^3m^2z - 144a^4c^5f^3j^2m^2z + 72a^6c^3e^2k^2m^3z + 72a^6c^3d^2l^2m^3z + 72a^4c^5f^3k^2l^2z + 72a^6c^3g^2h^2m^3z + 18b^6c^3d^3j^2m^2z - 18a^3b^6f^2j^2m^3z - 9b^6c^3d^3k^2l^2z + 9a^3b^6e^2k^2m^3z + 9a^3b^6d^2l^2m^3z + 144a^5c^4d^2k^3l^2z + 144a^3c^6d^3k^2l^2z - 72a^5c^4f^2j^2k^3z - 72a^3c^6d^3j^2m^2z + 9a^3b^6g^2h^2m^3z - 72a^5c^4g^2h^2k^3z - 72a^4c^5g^3h^2k^2z - 72a^4c^5f^2g^3m^2z - 108a^5b^2c^3j^4m^2z + 63a^6b^2c^2j^2m^4z + 36a^6b^2c^2k^2l^4z - 9a^5b^3c^2k^2l^4z - 144a^5c^4e^2g^2l^3z - 144a^3c^6e^3g^2l^2z + 72a^5c^4d^2h^2l^3z + 72a^4c^5f^2h^3j^2z + 72a^4c^5e^2h^3k^2z + 72a^4c^5d^2h^3l^2z + 72a^3c^6e^3h^2k^2z + 72a^3c^6e^3f^2m^2z - 18b^5c^4d^3f^2m^2z + 9b^5c^4d^3h^2k^2z + 9b^5c^4d^3g^2l^2z - 9a^2b^7e^2g^2m^3z - 9a^2b^7d^2h^2m^3z + 144a^4c^5e^2g^2j^3z + 144a^4c^5d^2h^2j^3z - 72a^5c^4d^2e^2m^3z - 72a^3c^6e^2f^3k^2z - 72a^3c^6d^2f^3l^2z + 144a^6b^2c^2f^2m^4z - 108a^5b^3c^2f^2m^4z - 72a^3c^6f^3g^2h^2z + 36a^5b^2c^3h^2k^4z - 36a^3b^2c^5f^4m^2z + 18b^4c^5d^3f^2j^2z - 9b^4c^5d^3e^2k^2z + 9a^4b^4c^2g^2l^4z - 144a^4c^5d^2e^2k^3z - 144a^2c^7d^3e^2k^2z + 72a^2c^7d^3f^2j^2z - 9b^4c^5d^3g^2h^2z + 72a^3c^6d^2g^3h^2z + 72a^2c^7d^3g^2h^2z - 72a^5b^2c^3d^2l^4z - 72a^4b^2c^4f^2j^4z + 45a^2b^2c^6d^4l^2z - 36a^2b^2c^6e^4k^2z - 9a^3b^5c^2d^2l^4z + 9a^2b^3c^5e^4k^2z - 72a^3c^6d^2e^2h^3z - 72a^2c^7d^2e^3h^2z + 9b^3c^6d^3e^2g^2z + 72a^2c^7d^2e^2f^3z + 36a^3b^2c^5d^2h^4z - 9a^2b^2c^6e^4g^2z + 36a^2b^2c^7d^3f^2z + 90a^5b^2c^2j^3m^2z + 45a^5b^2c^2j^2l^3z + 9a^4b^3c^2j^2k^3z - 9a^4b^3c^2h^3m^2z - 45a^4b^2c^3g^3m^2z + 9a^3b^4c^2g^3m^2z + 198a^4b^3c^2f^2m^3z - 108a^3b^3c^3f^3m^2z + 18a^2b^5c^2f^3m^2z - 117a^4b^2c^3f^2l^3z + 117a^3b^2c^4e^3m^2z + 63a^3b^4c^2f^2l^3z - 63a^2b^4c^3e^3m^2z - 171a^2b^3c^4d^3m^2z - 54a^3b^3c^3f^2k^3z + 9a^3b^2c^4g^3j^2z + 9a^2b^5c^2f^2k^3z + 18a^3b^2c^4f^2j^3z + 18a^2b^3c^4
\end{aligned}$$

$$\begin{aligned}
& *f^3*j^2*z - 9*a^2*b^4*c^3*f^2*j^3*z - 45*a^2*b^2*c^5*e^3*j^2*z + 9*a^2*b^3 \\
& *c^4*f^2*h^3*z - 9*a^2*b^2*c^5*f^2*g^3*z + 9*a*b^8*d*e*m^3*z - 36*a*b*c^7*d \\
& ^4*h*z - 108*a^6*c^3*h^2*l*m^2*z + 108*a^6*c^3*j*k^2*l^2*z - 108*a^6*c^3*g* \\
& k^2*m^2*z - 108*a^6*c^3*e*l^2*m^2*z + 108*a^5*c^4*h^2*j^2*l*z + 108*a^5*c^4 \\
& *e^2*l*m^2*z + 216*a^5*c^4*f^2*j*m^2*z + 108*a^5*c^4*h^2*j*k^2*z + 108*a^5*c^4 \\
& *c^4*g^2*j*l^2*z + 108*a^5*c^4*g*j^2*k^2*z - 216*a^4*c^5*d^2*k^2*l*z + 108*a \\
& ^5*c^4*e*j^2*l^2*z - 108*a^4*c^5*e^2*j^2*l*z - 9*a^6*b^2*c*l^3*m^2*z + 108* \\
& a^5*c^4*e*h^2*m^2*z - 108*a^4*c^5*f^2*h^2*l*z + 108*a^4*c^5*e^2*j*k^2*z + 1 \\
& 08*a^4*c^5*d^2*j*l^2*z - 144*a^6*b*c^2*j^2*m^3*z + 108*a^4*c^5*g^2*h^2*j*z \\
& - 27*a^4*b^4*c*j^3*m^2*z + 27*a^4*b^3*c^2*j^4*m*z + 9*a^5*b^2*c^2*k^4*l*z + \\
& 216*a^4*c^5*e^2*g*l^2*z - 108*a^4*c^5*f^2*g*k^2*z - 108*a^4*c^5*d^2*g*m^2* \\
& z - 9*a^4*b^4*c*j^2*l^3*z - 108*a^4*c^5*e*h^2*j^2*z - 108*a^4*c^5*e*f^2*l^2 \\
& *z + 108*a^3*c^6*e^2*f^2*l*z - 36*a^5*b*c^3*j^2*k^3*z + 36*a^5*b*c^3*h^3*m^ \\
& 2*z + 108*a^3*c^6*e^2*g^2*j*z + 108*a^3*c^6*d^2*h^2*j*z - 216*a^5*b*c^3*f^2 \\
& *m^3*z + 144*a^4*b*c^4*f^3*m^2*z + 108*a^3*c^6*d^2*g*j^2*z - 72*a^3*b^5*c*f \\
& ^2*m^3*z - 45*a^5*b^2*c^2*g*l^4*z - 9*a^4*b^3*c^2*h*k^4*z - 9*a^3*b^2*c^4*g \\
& ^4*l*z + 9*a^2*b^3*c^4*f^4*m*z + 216*a^3*c^6*d^2*e*k^2*z - 9*a^2*b^6*c*f^2* \\
& l^3*z + 9*a*b^6*c^2*e^3*m^2*z + 108*a^3*c^6*e*f^2*h^2*z + 108*a^3*b*c^5*d^3 \\
& *m^2*z + 108*a^2*c^7*d^2*e^2*j*z + 72*a^4*b*c^4*f^2*k^3*z + 72*a*b^5*c^3*d^ \\
& 3*m^2*z - 72*a^3*b*c^5*f^3*j^2*z + 54*a^4*b^3*c^2*d*l^4*z - 45*a^4*b^2*c^3* \\
& e*k^4*z + 18*a^3*b^3*c^3*f*j^4*z + 9*a^3*b^4*c^2*e*k^4*z - 9*a^2*b^2*c^5*f^ \\
& 4*j*z - 108*a^2*c^7*d^2*f^2*g*z + 9*a^3*b^2*c^4*g*h^4*z + 9*a*b^4*c^4*e^3*j \\
& ^2*z - 72*a^2*b*c^6*d^3*j^2*z + 54*a*b^3*c^5*d^3*j^2*z - 36*a^3*b*c^5*f^2*h \\
& ^3*z - 9*a^2*b^3*c^4*d*h^4*z + 9*a^2*b^2*c^5*e*g^4*z + 9*a*b^2*c^6*e^3*f^2* \\
& z + 36*a^7*c^2*l^3*m^2*z + 72*a^6*c^3*j^3*m^2*z - 36*a^6*c^3*j^2*l^3*z + 9* \\
& a^4*b^5*j^2*m^3*z + 36*a^5*c^4*g^3*m^2*z + 36*a^5*c^4*f^2*l^3*z - 36*a^4*c^ \\
& 5*e^3*m^2*z - 9*b^7*c^2*d^3*m^2*z + 9*a^2*b^7*f^2*m^3*z - 36*a^4*c^5*g^3*j^ \\
& 2*z + 72*a^4*c^5*f^2*j^3*z + 36*a^3*c^6*e^3*j^2*z - 9*b^5*c^4*d^3*j^2*z + 3 \\
& 6*a^3*c^6*f^2*g^3*z - 9*a^4*b^2*c^3*j^5*z - 36*a^2*c^7*e^3*f^2*z - 9*b^3*c^ \\
& 6*d^3*f^2*z + 36*a^7*c^2*j*m^4*z - 36*a^6*c^3*k^4*l*z - 18*a^5*b^4*j*m^4*z \\
& + 36*a^6*c^3*g*l^4*z + 36*a^4*c^5*g^4*l*z + 18*a^4*b^5*f*m^4*z - 9*b^4*c^5* \\
& d^4*l*z + 36*a^5*c^4*e*k^4*z + 36*a^3*c^6*f^4*j*z - 36*a^2*c^7*d^4*l*z - 36 \\
& *a^4*c^5*g*h^4*z + 9*b^3*c^6*d^4*h*z - 36*a^3*c^6*e*g^4*z + 36*a^2*c^7*e^4* \\
& g*z - 9*b^2*c^7*d^4*e*z - 36*a^7*b*c*m^5*z + 36*a*c^8*d^4*e*z + 9*a^6*b^3*m \\
& ^5*z + 36*a^5*c^4*j^5*z + 9*a^4*b^3*c*g*h*j*k*l*m - 9*a^3*b^4*c*e*g*j*k*l*m \\
& - 9*a^3*b^4*c*d*h*j*k*l*m - 9*a^3*b^4*c*f*g*h*k*l*m + 36*a^4*b*c^3*d*e*j*k \\
& *l*m + 9*a^2*b^5*c*d*e*j*k*l*m + 36*a^4*b*c^3*e*f*h*j*l*m + 36*a^4*b*c^3*e* \\
& f*g*k*l*m + 36*a^4*b*c^3*d*f*h*k*l*m + 9*a^2*b^5*c*e*f*g*k*l*m + 9*a^2*b^5* \\
& c*d*f*h*k*l*m + 36*a^3*b*c^4*d*e*f*j*k*l + 9*a*b^5*c^2*d*e*f*j*k*l + 36*a^3 \\
& *b*c^4*d*e*g*h*k*l + 36*a^3*b*c^4*d*e*f*h*k*m + 36*a^3*b*c^4*d*e*f*g*l*m + \\
& 9*a*b^5*c^2*d*e*f*h*k*m + 9*a*b^5*c^2*d*e*f*g*l*m - 9*a*b^4*c^3*d*e*f*h*j*k \\
& - 9*a*b^4*c^3*d*e*f*g*j*l - 9*a*b^4*c^3*d*e*f*g*h*m + 9*a*b^3*c^4*d*e*f*g* \\
& h*j - 9*a*b^6*c*d*e*f*k*l*m + 18*a^4*b^2*c^2*e*g*j*k*l*m + 18*a^4*b^2*c^2*d \\
& *h*j*k*l*m + 18*a^4*b^2*c^2*f*g*h*k*l*m - 36*a^3*b^3*c^2*d*e*j*k*l*m - 36*a \\
& ^3*b^3*c^2*e*f*g*k*l*m - 36*a^3*b^3*c^2*d*f*h*k*l*m + 9*a^3*b^3*c^2*f*g*h*j \\
& *k*l + 9*a^3*b^3*c^2*e*g*h*j*k*m + 9*a^3*b^3*c^2*d*g*h*j*l*m - 108*a^3*b^2* \\
& c^3*d*e*f*k*l*m + 54*a^2*b^4*c^2*d*e*f*k*l*m - 36*a^3*b^2*c^3*d*f*g*j*k*m + \\
& 18*a^3*b^2*c^3*e*f*g*j*k*l + 18*a^3*b^2*c^3*d*f*h*j*k*l + 18*a^3*b^2*c^3*d \\
& *e*h*j*k*m + 18*a^3*b^2*c^3*d*e*g*j*l*m - 9*a^2*b^4*c^2*e*f*g*j*k*l - 9*a^2 \\
& *b^4*c^2*d*f*h*j*k*l - 9*a^2*b^4*c^2*d*e*h*j*k*m - 9*a^2*b^4*c^2*d*e*g*j*l* \\
& m + 18*a^3*b^2*c^3*e*f*g*h*k*m + 18*a^3*b^2*c^3*d*f*g*h*l*m - 9*a^2*b^4*c^2 \\
& *e*f*g*h*k*m - 9*a^2*b^4*c^2*d*f*g*h*l*m - 36*a^2*b^3*c^3*d*e*f*j*k*l - 36* \\
& a^2*b^3*c^3*d*e*f*h*k*m - 36*a^2*b^3*c^3*d*e*f*g*l*m + 9*a^2*b^3*c^3*e*f*g* \\
& h*j*k + 9*a^2*b^3*c^3*d*f*g*h*j*l + 9*a^2*b^3*c^3*d*e*g*h*j*m + 18*a^2*b^2* \\
& c^4*d*e*f*h*j*k + 18*a^2*b^2*c^4*d*e*f*g*j*l + 18*a^2*b^2*c^4*d*e*f*g*h*m - \\
& 9*a^5*b^2*c*h*j*k^2*l*m - 9*a^5*b^2*c*g*j*k^2*l*m + 27*a^5*b^2*c*f*j*k^2*l*m \\
& ^2 - 9*a^4*b^3*c*f*j^2*k^2*l*m + 9*a^3*b^4*c*f^2*j*k^2*l*m - 18*a^5*b*c^2*e*j*k \\
& ^2*l*m - 9*a^5*b^2*c*g*h*k^2*l*m^2 + 9*a^4*b^3*c*e*j*k^2*l*m - 18*a^5*b*c^2*f \\
& *h*k^2*l*m - 18*a^5*b*c^2*d*j*k^2*l*m + 9*a^4*b^3*c*f*h*k^2*l*m + 9*a^4*b^3
\end{aligned}$$

$$\begin{aligned}
& *c*d*j*k*1^2*m + 36*a^5*b*c^2*e*h*k*1^2*m - 36*a^4*b*c^3*e^2*h*k*1*m + 18*a^5*b*c^2*f*h*j*1^2*m - 18*a^5*b*c^2*f*g*k*1^2*m - 18*a^4*b^3*c*e*h*k*1^2*m \\
& + 9*a^4*b^3*c*f*g*k*1^2*m + 9*a^3*b^4*c*e*h^2*k*1*m - 9*a^2*b^5*c*e^2*h*k*1*m - 54*a^5*b*c^2*e*h*j*1*m^2 - 18*a^5*b*c^2*e*g*k*1*m^2 - 18*a^5*b*c^2*d*h \\
& *k*1*m^2 + 18*a^4*b^3*c*e*h*j*1*m^2 - 9*a^4*b^3*c*f*h*j*k*m^2 - 9*a^4*b^3*c*f*g*j*1*m^2 + 9*a^4*b^3*c*e*g*k*1*m^2 + 9*a^4*b^3*c*d*h*k*1*m^2 + 18*a^4*b \\
& *c^3*f*g^2*j*k*m - 18*a^4*b*c^3*e*g^2*j*1*m + 18*a^3*b^4*c*d*g*k^2*1*m - 9*a^3*b^4*c*e*f*k^2*1*m - 9*a^2*b^5*c*d*g^2*k*1*m - 18*a^4*b*c^3*f*g^2*h*1*m \\
& - 18*a^4*b*c^3*d*h^2*j*k*m - 9*a^3*b^4*c*d*f*k*1^2*m - 54*a^4*b*c^3*d*g*j^2*k*m - 18*a^4*b*c^3*f*g*h^2*k*m - 18*a^4*b*c^3*e*g*j^2*k*1 - 18*a^4*b*c^3*d \\
& *h*j^2*k*1 - 18*a^3*b^4*c*d*g*j*k*m^2 + 9*a^3*b^4*c*e*f*j*k*m^2 + 9*a^3*b^4*c*d*f*j*1*m^2 - 9*a^3*b^4*c*d*e*k*1*m^2 - 54*a^3*b*c^4*d^2*f*j*k*m + 36*a^4 \\
& *b*c^3*d*g*j*k^2*1 - 36*a^3*b*c^4*d^2*g*j*k*1 - 18*a^4*b*c^3*e*f*j*k^2*1 + 18*a^4*b*c^3*d*f*j*k^2*m - 18*a^3*b*c^4*d^2*e*j*1*m + 9*a^3*b^4*c*f*g*h*j* \\
& m^2 - 9*a*b^5*c^2*d^2*g*j*k*1 + 36*a^4*b*c^3*d*g*h*k^2*m - 36*a^3*b*c^4*d^2*g*h*k*m + 18*a^4*b*c^3*e*g*h*k^2*1 - 18*a^4*b*c^3*e*f*h*k^2*m - 18*a^4*b*c \\
& ^3*d*f*j*k*1^2 - 18*a^3*b*c^4*d^2*f*h*1*m - 18*a^3*b*c^4*d*e^2*j*k*m - 9*a*b^5*c^2*d^2*g*h*k*m - 54*a^4*b*c^3*d*g*h*k*1^2 - 54*a^3*b*c^4*e^2*f*h*j*m - \\
& 18*a^4*b*c^3*d*f*g*1^2*m - 18*a^3*b*c^4*e^2*f*g*k*m - 54*a^4*b*c^3*d*f*g*k*m^2 - 36*a^4*b*c^3*e*f*g*j*m^2 - 36*a^4*b*c^3*d*f*h*j*m^2 + 36*a^3*b*c^4*e \\
& *f^2*g*j*m + 36*a^3*b*c^4*d*f^2*h*j*m - 18*a^4*b*c^3*d*e*h*k*m^2 - 18*a^4*b*c^3*d*e*g*1*m^2 + 18*a^3*b*c^4*e*f^2*h*j*1 - 18*a^3*b*c^4*e*f^2*g*k*1 - 18 \\
& *a^3*b*c^4*d*f^2*h*k*1 + 18*a^3*b*c^4*d*f^2*g*k*m - 9*a^2*b^5*c*e*f*g*j*m^2 - 9*a^2*b^5*c*d*f*h*j*m^2 - 54*a^3*b*c^4*d*f*g^2*j*m - 18*a^3*b*c^4*e*f*g^ \\
& 2*j*1 - 18*a*b^4*c^3*d^2*f*g*j*m + 9*a*b^4*c^3*d^2*g*h*j*k + 9*a*b^4*c^3*d^2*f*g*k*1 + 9*a*b^4*c^3*d^2*e*g*k*m - 9*a*b^4*c^3*d^2*e*f*1*m - 18*a^3*b*c^4 \\
& *e*f*g^2*h*m - 18*a^3*b*c^4*d*f*h^2*j*k - 9*a*b^4*c^3*d*e^2*f*k*m + 18*a^3*b*c^4*d*d*f*g*j^2*k - 18*a^3*b*c^4*d*d*f*g*h^2*m - 18*a^3*b*c^4*d*e*h*j^2*k - \\
& 18*a^3*b*c^4*d*e*g*j^2*1 + 18*a*b^4*c^3*d*e*f^2*j*m - 9*a*b^5*c^2*d*e*f*j^2*m - 9*a*b^4*c^3*d*e*f^2*k*1 - 18*a^2*b*c^5*d^2*e*f*j*1 - 9*a*b^3*c^4*d^2*e \\
& *g*j*k + 9*a*b^3*c^4*d^2*e*f*j*1 - 54*a^2*b*c^5*d^2*e*g*h*1 - 18*a^2*b*c^5*d^2*e*f*h*m - 18*a^2*b*c^5*d*e^2*f*j*k + 18*a*b^3*c^4*d^2*e*g*h*1 - 9*a*b^3 \\
& *c^4*d^2*f*g*h*k + 9*a*b^3*c^4*d^2*e*f*h*m + 9*a*b^3*c^4*d*e^2*f*j*k - 36*a^3*b*c^4*d*e*f*h*1^2 + 36*a^2*b*c^5*d*e^2*f*h*1 + 18*a^2*b*c^5*d*e^2*g*h*k \\
& - 18*a^2*b*c^5*d*e^2*f*g*m - 18*a*b^3*c^4*d*e^2*f*h*1 - 9*a*b^5*c^2*d*e*f*h*1^2 + 9*a*b^4*c^3*d*e*f*h^2*1 + 9*a*b^3*c^4*d*e^2*f*g*m - 18*a^2*b*c^5*d*e \\
& *f^2*h*k - 18*a^2*b*c^5*d*e*f^2*g*1 + 9*a*b^3*c^4*d*e*f^2*h*k + 9*a*b^3*c^4*d*e*f^2*g*1 + 27*a*b^2*c^5*d^2*e*f*g*k + 9*a*b^4*c^3*d*e*f*g*k^2 - 9*a*b^3 \\
& *c^4*d*e*f*g^2*k - 9*a*b^2*c^5*d^2*e*f*h*j - 9*a*b^2*c^5*d*e^2*f*g*j - 9*a*b^2*c^5*d*e*f^2*g*h + 72*a^4*c^4*d*f*g*j*k*m + 72*a^4*c^4*d*e*f*k*1*m + 9*a \\
& *b^6*c*d^2*g*k*1*m + 9*a*b^6*c*d*e*f*j*m^2 - 27*a^4*b^2*c^2*f^2*j*k*1*m - 9*a^4*b^2*c^2*g^2*h*j*1*m + 36*a^3*b^3*c^2*e^2*h*k*1*m - 18*a^4*b^2*c^2*e*h^ \\
& 2*k*1*m - 9*a^4*b^2*c^2*g*h^2*j*k*m + 18*a^4*b^2*c^2*f*h*j^2*k*m + 18*a^4*b^2*c^2*f*g*j^2*1*m - 18*a^4*b^2*c^2*e*h*j^2*1*m - 9*a^4*b^2*c^2*g*h*j^2*k*1 \\
& - 9*a^3*b^3*c^2*f^2*h*j*k*m - 9*a^3*b^3*c^2*f^2*g*j*1*m - 63*a^4*b^2*c^2*d \\
& *g*k^2*1*m + 63*a^3*b^2*c^3*d^2*g*k*1*m - 45*a^2*b^4*c^2*d^2*g*k*1*m + 36*a^4*b^2*c^2*e*f*k^2*1*m + 27*a^3*b^3*c^2*d*g^2*k*1*m - 9*a^4*b^2*c^2*f*h*j*k \\
& ^2*1 - 9*a^4*b^2*c^2*e*h*j*k^2*m + 9*a^3*b^3*c^2*e*g^2*j*1*m - 9*a^3*b^2*c^3*d^2*h*j*1*m + 36*a^4*b^2*c^2*d*f*k*1^2*m + 27*a^4*b^2*c^2*e*h*j*k*1^2 - 2 \\
& 7*a^3*b^2*c^3*e^2*h*j*k*1 - 18*a^3*b^2*c^3*e^2*f*j*1*m - 9*a^4*b^2*c^2*f*g*j*k*1^2 - 9*a^4*b^2*c^2*d*g*j*1^2*m + 9*a^3*b^3*c^2*f*g^2*h*1*m - 9*a^3*b^3 \\
& *c^2*e*h^2*j*k*1 + 9*a^3*b^3*c^2*d*h^2*j*k*m - 9*a^3*b^2*c^3*e^2*g*j*k*m + 9*a^2*b^4*c^2*e^2*h*j*k*1 + 72*a^4*b^2*c^2*d*g*j*k*m^2 + 36*a^4*b^2*c^2*d*e \\
& *k*1*m^2 + 27*a^4*b^2*c^2*e*g*h*1^2*m - 27*a^4*b^2*c^2*e*f*j*k*m^2 - 27*a^4*b^2*c^2*d*f*j*1*m^2 - 27*a^3*b^2*c^3*e^2*g*h*1*m + 27*a^3*b^2*c^3*e*f^2*j* \\
& k*m + 27*a^3*b^2*c^3*d*f^2*j*1*m + 18*a^3*b^3*c^2*d*g*j^2*k*m + 9*a^3*b^3*c^2*f*g*h^2*k*m + 9*a^3*b^3*c^2*e*g*j^2*k*1 - 9*a^3*b^3*c^2*e*g*h^2*1*m - 9* \\
& a^3*b^3*c^2*e*f*j^2*k*m + 9*a^3*b^3*c^2*d*h*j^2*k*1 - 9*a^3*b^3*c^2*d*f*j^2*1*m + 9*a^2*b^4*c^2*e^2*g*h*1*m + 36*a^2*b^3*c^3*d^2*g*j*k*1 - 27*a^4*b^2*c
\end{aligned}$$

$$\begin{aligned}
& c^2 f g h j m^2 + 27 a^3 b^2 c^3 f^2 g h j m - 18 a^4 b^2 c^2 e f h k l m^2 - \\
& 18 a^3 b^3 c^2 d g j k^2 l - 18 a^3 b^2 c^3 d g^2 j k^2 l + 18 a^2 b^3 c^3 d \\
& ^2 f j k^2 m - 9 a^4 b^2 c^2 e g h k^2 m^2 - 9 a^4 b^2 c^2 d g h k l m^2 - 9 a^3 b^3 \\
& c^2 f g h j^2 m + 9 a^3 b^3 c^2 e f j k^2 l - 9 a^3 b^2 c^3 f^2 g h k^2 l \\
& + 9 a^2 b^4 c^2 d g^2 j k^2 l + 9 a^2 b^3 c^3 d^2 e j^2 l m + 36 a^3 b^2 c^3 e \\
& f g^2 l m + 36 a^2 b^3 c^3 d^2 g h k^2 m - 18 a^3 b^3 c^2 d g h k^2 m - 18 a \\
& ^3 b^2 c^3 d g^2 h k^2 m + 9 a^3 b^3 c^2 e f h k^2 m + 9 a^3 b^3 c^2 d f j k^2 \\
& l^2 - 9 a^3 b^2 c^3 f g^2 h j^2 l - 9 a^3 b^2 c^3 e g^2 h j^2 m - 9 a^2 b^4 c^2 \\
& e f g^2 l m + 9 a^2 b^4 c^2 d g^2 h k^2 m + 9 a^2 b^3 c^3 d^2 f h k^2 l m + 9 a^2 \\
& b^3 c^3 d e^2 j k^2 m + 36 a^3 b^2 c^3 d f h^2 k^2 m + 36 a^3 b^2 c^3 d e e j^2 \\
& k^2 l + 18 a^3 b^3 c^2 d g h k^2 l^2 + 18 a^3 b^2 c^3 e g h^2 j^2 l + 18 a^3 b^2 \\
& c^3 e f h^2 k^2 l - 18 a^3 b^2 c^3 e f h^2 j^2 m - 18 a^3 b^2 c^3 d g h^2 k^2 l \\
& + 18 a^3 b^2 c^3 d e h^2 l m + 18 a^2 b^3 c^3 e^2 f h j^2 m - 9 a^3 b^3 c^2 e \\
& g h j^2 l^2 - 9 a^3 b^3 c^2 e f h k^2 l^2 + 9 a^3 b^3 c^2 d f g l^2 m - 9 a^3 b^3 \\
& c^2 d e h k^2 l^2 m - 9 a^3 b^2 c^3 f g h^2 j^2 k - 9 a^3 b^2 c^3 d g h^2 j^2 m \\
& - 9 a^2 b^4 c^2 d f h^2 k^2 m - 9 a^2 b^4 c^2 d e j^2 k^2 l - 9 a^2 b^3 c^3 e^2 \\
& g h j^2 l - 9 a^2 b^3 c^3 e^2 f h k^2 l + 9 a^2 b^3 c^3 e^2 f g k^2 m - 9 a^2 b^3 \\
& c^3 d e^2 h k^2 l m + 36 a^3 b^3 c^2 e f g j^2 m^2 + 36 a^3 b^3 c^2 d f h j^2 m^2 \\
& + 18 a^3 b^3 c^2 d f g k^2 m^2 - 18 a^3 b^2 c^3 e f g j^2 m - 18 a^3 b^2 c^3 \\
& d f h j^2 m - 18 a^2 b^3 c^3 e f^2 g j^2 m - 18 a^2 b^3 c^3 d f^2 h j^2 m + 9 \\
& a^3 b^3 c^2 d e h k^2 m^2 + 9 a^3 b^3 c^2 d e g l^2 m^2 - 9 a^3 b^2 c^3 e g h^2 \\
& j^2 k - 9 a^3 b^2 c^3 d g h^2 j^2 l + 9 a^2 b^4 c^2 e f g j^2 m + 9 a^2 b^4 c^2 \\
& d f h j^2 m + 9 a^2 b^3 c^3 e f^2 g k^2 l + 9 a^2 b^3 c^3 d f^2 h k^2 l + 72 \\
& a^2 b^2 c^4 d^2 f g j^2 m + 36 a^2 b^2 c^4 d^2 e f l^2 m + 27 a^3 b^2 c^3 d g^2 \\
& h j k^2 + 27 a^3 b^2 c^3 d f g k^2 l + 27 a^3 b^2 c^3 d e g k^2 m - 27 a^2 b^2 \\
& c^4 d^2 g h j^2 k - 27 a^2 b^2 c^4 d^2 f g k^2 l - 27 a^2 b^2 c^4 d^2 e g k^2 \\
& m + 18 a^2 b^3 c^3 d f g^2 j^2 m - 18 a^2 b^2 c^4 d^2 e h k^2 l - 9 a^3 b^2 c^3 \\
& e f h j^2 k^2 + 9 a^2 b^3 c^3 e f g^2 j^2 l - 9 a^2 b^3 c^3 d g^2 h j^2 k - 9 a^2 \\
& b^3 c^3 d f g^2 k^2 l - 9 a^2 b^3 c^3 d e g^2 k^2 m - 9 a^2 b^2 c^4 d^2 f h^2 \\
& j^2 l - 9 a^2 b^2 c^4 d^2 e h j^2 m + 36 a^2 b^2 c^4 d e^2 f k^2 m - 27 a^3 b^2 c^3 \\
& d e h j^2 l^2 + 27 a^2 b^2 c^4 d e^2 h j^2 l - 18 a^3 b^2 c^3 d e g k^2 l^2 - \\
& 9 a^3 b^2 c^3 d f g j^2 l^2 + 9 a^2 b^4 c^2 d e h j^2 l^2 + 9 a^2 b^3 c^3 e f g^2 \\
& h^2 m + 9 a^2 b^3 c^3 d f h^2 j^2 k - 9 a^2 b^3 c^3 d e h^2 j^2 l - 9 a^2 b^2 c^4 \\
& e^2 f g j^2 k - 9 a^2 b^2 c^4 d e^2 g j^2 m + 63 a^3 b^2 c^3 d e e f j^2 m^2 - \\
& 63 a^2 b^2 c^4 d e e f^2 j^2 m - 45 a^2 b^4 c^2 d e e f j^2 m^2 + 36 a^2 b^2 c^4 d \\
& e f^2 k^2 l - 27 a^3 b^2 c^3 e f g h^2 l^2 + 27 a^2 b^3 c^3 d e e f j^2 m + 27 a^2 \\
& b^2 c^4 e^2 f g h^2 l + 9 a^2 b^4 c^2 e f g h^2 l - 9 a^2 b^3 c^3 e f g h^2 \\
& l + 9 a^2 b^3 c^3 d f g h^2 m + 9 a^2 b^3 c^3 d e h j^2 k + 9 a^2 b^3 c^3 \\
& d e g j^2 l + 18 a^2 b^2 c^4 d e e g^2 j^2 k - 9 a^3 b^2 c^3 d e e g h^2 m^2 - 9 a^2 \\
& b^3 c^3 d e e g j^2 k^2 - 9 a^2 b^2 c^4 e f^2 g h^2 k - 9 a^2 b^2 c^4 d f^2 g h^2 \\
& k^2 l + 18 a^2 b^2 c^4 d f g^2 h^2 k - 18 a^2 b^2 c^4 d e e g^2 h^2 l - 9 a^2 b^3 c^3 \\
& d f g h^2 k^2 - 9 a^2 b^2 c^4 e f g^2 h^2 j + 36 a^2 b^3 c^3 d e e f h^2 l^2 - 18 \\
& a^2 b^2 c^4 d e e f h^2 l - 9 a^2 b^2 c^4 d f g h^2 j - 9 a^2 b^2 c^4 d e e g^2 \\
& h^2 j - 27 a^2 b^2 c^4 d e e f g k^2 + 18 a^2 b^2 c^4 d^2 f h k^2 - 9 a^2 b^3 \\
& c^3 e f g^2 k^2 - 9 a^2 b^2 c^4 e^2 f h j^2 - 9 a^2 b^2 c^4 d f^2 h^2 k + \\
& 45 a^2 b^3 c^3 d e e f^2 m^2 + 36 a^2 b^2 c^4 d^2 e g l^2 + 9 a^2 b^3 c^3 d e \\
& g^2 l^2 + 9 a^2 b^2 c^4 e f^2 g j^2 + 9 a^2 b^2 c^4 d f^2 h j^2 - 9 a^2 b^2 \\
& c^4 d e^2 h k^2 - 36 a^2 b^2 c^4 d e^2 f l^2 - 9 a^2 b^2 c^4 d f g^2 j^2 \\
& - 12 a^6 b^6 c^6 h^2 j^2 k^2 l^2 m^2 + 3 a^5 b^6 c^6 e^3 k^2 l^2 m + 3 a^4 b^6 c^6 d e e f^2 l^3 - 12 a^6 b^6 \\
& c^6 d e^3 f h + 9 a^5 b^2 c^6 h^2 k^2 l^2 m + 18 a^5 b^6 c^2 g^2 k^2 l^2 m - 9 a^5 \\
& b^2 c^6 h^2 j^2 l^2 m + 9 a^5 b^6 c^2 h^2 j^2 l^2 m - 9 a^4 b^6 c^6 g^2 k^2 l^2 m - 3 a^4 \\
& b^2 c^6 g^3 k^2 l^2 m + 18 a^5 b^6 c^2 f^2 k^2 l^2 m + 15 a^3 b^6 c^6 f^3 k^2 l^2 m \\
& + 9 a^5 b^2 c^6 h^2 j^2 k^2 m + 9 a^5 b^2 c^6 g^2 j^2 l^2 m - 9 a^5 b^2 c^6 f k^2 l^2 \\
& m + 9 a^5 b^6 c^2 h^2 j^2 k^2 m + 9 a^5 b^6 c^2 g^2 j^2 l^2 m - 9 a^4 b^6 c^6 f^2 k^2 \\
& l^2 m + 36 a^3 b^2 c^6 e^3 k^2 l^2 m - 27 a^5 b^6 c^2 g^2 j^2 k^2 m - 18 a^5 b^6 c^2 \\
& h^2 j^2 k^2 l^2 - 18 a^2 b^4 c^6 e^3 k^2 l^2 m - 9 a^5 b^2 c^6 g^2 j^2 k^2 m - 9 a^5 b^6 \\
& c^2 e k^2 l^2 m + 9 a^5 b^6 c^2 h^2 j^2 k^2 l + 9 a^5 b^6 c^2 g^2 j^2 k^2 m + 9 a^4 \\
& b^6 c^6 g^2 j^2 k^2 m + 9 a^3 b^4 c^6 e^2 k^2 l^2 m + 3 a^4 b^6 c^6 h^3 j^2 k^2 l - 5 \\
& 4 a^4 b^6 c^6 d^2 k^2 l^2 m - 51 a^2 b^6 c^6 d^3 k^2 l^2 m - 27 a^4 b^6 c^6 e^2 j^2 l^2
\end{aligned}$$

$$\begin{aligned}
& *m - 18a^5b^2c^2g^2h^2l^2m - 9a^5b^2c^2e^2j^2k^2m^2 - 9a^5b^2c^2d^2k^2m^2 + 9a^5b^2c^2g^2h^2l^2m^2 + 9a^5b^2c^2g^2j^2k^2m^2 + 9a^5b^2c^2e^2j^2k^2m^2 - 9a^3b^4c^2e^2j^2k^2m^2 - 9a^2b^5c^2d^2k^2m^2 + 3a^4b^2c^2g^2h^3l^2m - 3a^3b^3c^2g^3j^2k^2m + 18a^5b^2c^2e^2j^2k^2m^2 + 18a^5b^2c^2d^2j^2k^2m^2 + 18a^4b^2c^3f^2j^2k^2m + 9a^5b^2c^2g^2h^2k^2m^2 + 9a^5b^2c^2f^2h^2l^2m^2 + 9a^5b^2c^2f^2j^2k^2m^2 - 9a^4b^3c^2e^2j^2k^2m^2 - 9a^4b^3c^2d^2j^2k^2m^2 + 9a^4b^2c^2f^2j^3k^2m + 9a^4b^2c^2e^2j^3k^2m + 9a^4b^2c^2d^2j^3k^2m + 9a^4b^2c^3f^2h^2l^2m + 9a^4b^2c^3e^2j^2k^2m + 9a^4b^2c^3d^2j^2k^2m - 3a^3b^3c^2g^3h^2k^2m - 3a^3b^2c^3f^3j^2k^2m + 3a^2b^4c^2f^3j^2k^2m + 45a^4b^2c^3d^2j^2k^2m^2 - 27a^5b^2c^2d^2j^2k^2m^2 + 18a^5b^2c^2g^2h^2j^2m^2 + 18a^4b^2c^3e^2j^2k^2m^2 + 15a^2b^3c^3e^3j^2k^2m - 12a^3b^2c^3f^3h^2k^2m - 12a^3b^2c^3f^3g^2l^2m + 9a^5b^2c^2g^2h^2k^2l^2 - 9a^4b^3c^2g^2h^2j^2m^2 + 9a^4b^3c^2d^2j^2k^2m^2 + 9a^4b^2c^2g^2h^2j^3m + 9a^4b^2c^3g^2h^2k^2m + 9a^4b^2c^3g^2h^2j^2m + 9a^2b^5c^2d^2j^2k^2m^2 + 3a^2b^4c^2f^3h^2k^2m + 3a^2b^4c^2f^3g^2l^2m + 36a^2b^2c^4d^3j^2k^2m + 18a^4b^2c^3e^2g^2l^2m + 15a^2b^3c^3e^3g^2l^2m + 12a^4b^2c^2d^2j^2k^3m + 9a^5b^2c^2f^2g^2k^2m^2 + 9a^5b^2c^2e^2h^2k^2m^2 + 9a^4b^2c^3g^2h^2j^2l^2 + 9a^4b^2c^3f^2h^2k^2l^2 + 9a^4b^2c^3f^2g^2k^2m + 9a^4b^2c^3d^2h^2l^2m^2 - 9a^3b^3c^2e^2h^3k^2m + 6a^2b^3c^3e^3h^2k^2m + 45a^4b^2c^3e^2h^2j^2m^2 + 36a^2b^2c^4d^3h^2k^2m - 33a^3b^2c^3d^2g^3l^2m - 27a^4b^2c^3f^2h^2j^2l^2 - 27a^4b^2c^3e^2f^2l^2m^2 - 27a^4b^2c^3e^2h^2j^2m - 18a^4b^2c^3g^2h^2j^2k^2 - 18a^4b^2c^3f^2g^2k^2l^2 - 18a^4b^2c^3e^2g^2k^2m - 18a^3b^2c^4d^2g^2l^2m + 12a^4b^2c^2d^2h^2k^3m + 9a^5b^2c^2e^2f^2l^2m^2 + 9a^5b^2c^2d^2g^2l^2m^2 + 9a^4b^2c^3f^2g^2k^2l^2 + 9a^4b^2c^3e^2g^2k^2m^2 + 9a^4b^2c^3g^2h^2j^2k^2 + 9a^4b^2c^3f^2h^2j^2l^2 + 9a^4b^2c^3e^2f^2l^2m - 9a^3b^4c^2e^2h^2j^2m^2 + 9a^3b^2c^4e^2f^2l^2m + 9a^2b^5c^2e^2h^2j^2m^2 + 9a^2b^4c^2d^2g^3l^2m - 9a^2b^2c^4d^3g^2l^2m - 9a^2b^5c^2d^2g^2l^2m - 6a^4b^2c^2e^2h^2k^3l^2 - 6a^3b^2c^3f^2g^3j^2m + 3a^4b^2c^2g^2h^2j^2k^3 + 3a^4b^2c^2f^2g^2k^3l^2 + 3a^4b^2c^2e^2g^2k^3m + 3a^3b^2c^3g^3h^2j^2k^2 + 3a^3b^2c^3f^2g^3k^2l^2 + 3a^3b^2c^3e^2g^3k^2m - 27a^3b^2c^4d^2h^2k^2l^2 + 18a^4b^2c^3e^2f^2k^2m^2 + 18a^4b^2c^3d^2f^2l^2m^2 + 9a^4b^2c^3f^2h^2j^2k^2 + 9a^4b^2c^3f^2g^2j^2l^2 + 9a^4b^2c^3e^2g^2k^2l^2 + 9a^4b^2c^3d^2h^2k^2l^2 + 9a^3b^4c^2e^2g^2j^2m^2 + 9a^3b^4c^2d^2h^2j^2m^2 - 9a^3b^3c^2e^2g^2j^3m - 9a^3b^3c^2d^2h^2j^3m + 9a^3b^2c^4e^2g^2k^2l^2 + 9a^3b^2c^4e^2g^2j^2m + 9a^3b^2c^4d^2h^2j^2m - 3a^2b^3c^3f^3h^2j^2k^2 - 3a^2b^3c^3f^3g^2j^2l^2 - 3a^2b^3c^3e^2f^3k^2m - 3a^2b^3c^3d^2f^3l^2m + 45a^4b^2c^3d^2g^2j^2m^2 + 45a^3b^2c^4d^2g^2j^2m + 24a^4b^2c^2d^2g^2k^2l^3 + 24a^2b^2c^4e^3f^2j^2m + 18a^4b^2c^3f^2g^2h^2m^2 + 18a^4b^2c^3d^2h^2j^2l^2 + 18a^3b^2c^4e^2h^2j^2k^2 - 12a^4b^2c^2e^2g^2j^2l^3 - 12a^4b^2c^2e^2f^2k^2l^3 - 12a^4b^2c^2d^2e^2l^3m - 12a^2b^2c^4e^3g^2j^2l^2 - 12a^2b^2c^4e^3f^2k^2l^2 - 12a^2b^2c^4d^2e^3l^2m + 9a^4b^2c^3f^2g^2j^2k^2 + 9a^4b^2c^3e^2h^2j^2k^2 + 9a^3b^2c^3e^2h^3j^2k^2 + 9a^3b^2c^3d^2h^3j^2l^2 + 9a^3b^2c^4f^2g^2j^2k^2 + 9a^3b^2c^4d^2h^2j^2l^2 + 9a^2b^5c^2d^2g^2j^2m^2 + 9a^2b^5c^2d^2g^2j^2m - 3a^4b^2c^2d^2h^2j^2l^3 - 3a^2b^3c^3f^3g^2h^2m - 3a^2b^2c^4e^3h^2j^2k^2 + 18a^4b^2c^3f^2g^2h^2l^2 + 18a^3b^2c^4e^2g^2h^2m + 18a^3b^2c^4d^2h^2j^2k^2 + 18a^3b^2c^4d^2f^2k^2l^2 + 18a^3b^2c^4d^2e^2k^2m + 9a^4b^2c^3e^2g^2h^2m^2 + 9a^4b^2c^3e^2f^2j^2l^2 + 9a^4b^2c^3d^2g^2j^2l^2 + 9a^3b^2c^3f^2g^2h^3l^2 + 9a^3b^2c^3e^2g^2h^3m + 9a^3b^2c^4f^2g^2h^2l^2 + 9a^3b^2c^4e^2g^2j^2k^2 + 9a^3b^2c^4e^2f^2j^2l^2 - 9a^2b^3c^3d^2g^3j^2l^2 + 9a^2b^4c^3d^2g^2j^2l^2 - 3a^4b^2c^2f^2g^2h^2l^3 - 3a^3b^3c^2e^2g^2j^2k^3 - 3a^3b^3c^2d^2h^2j^2k^3 - 3a^3b^3c^2d^2f^2k^3l^2 - 3a^3b^3c^2d^2e^2k^3m - 3a^2b^2c^4e^3g^2h^2m - 33a^3b^2c^3d^2e^2j^3m - 27a^4b^2c^3e^2f^2h^2m^2 - 27a^3b^2c^4d^2e^2k^2l^2 - 18a^4b^2c^3d^2e^2j^2m^2 - 18a^3b^2c^4e^2f^2j^2k^2 - 18a^3b^2c^4d^2f^2j^2l^2 - 9a^4b^2c^2d^2e^2j^2m^3 + 9a^4b^2c^3d^2g^2h^2m^2 + 9a^4b^2c^3d^2e^2k^2l^2 + 9a^3b^2c^4f^2g^2h^2k^2 + 9a^3b^2c^4e^2f^2j^2k^2 + 9a^3b^2c^4d^2f^2j^2l^2 + 9a^3b^2c^4e^2f^2h^2m + 9a^3b^2c^4d^2e^2k^2l^2 - 9a^2b^5c^2d^2e^2j^2m^2 + 9a^2b^4c^2d^2e^2j^3m - 9a^2b^3c^3d^2g^3h^2m + 9a^2b^2c^5d^2e^2k^2l^2 +
\end{aligned}$$

$$\begin{aligned}
& 9a^2b^3c^5d^2e^2j^m + 9a^2b^4c^3d^2g^2h^m - 6a^3b^2c^3d^2g^2j^3k - 3a^3b^3c^2f^2g^2h^k^3 + 3a^3b^2c^3e^2f^2j^3k + 3a^3b^2c^3d^2f^2j^3k^1 + 3a^2b^2c^4e^2f^3j^k + 3a^2b^2c^4d^2f^3j^k^1 + 45a^3b^3c^4d^2g^2h^k^1 + 36a^4b^2c^2e^2f^2g^2m^3 + 36a^4b^2c^2d^2f^2h^m^3 - 27a^3b^3c^4e^2g^2h^k^2 - 27a^3b^3c^4d^2g^2h^2k^1 - 18a^3b^3c^4f^2g^2h^j^2 + 18a^3b^3c^4d^2e^2j^k^1 + 15a^3b^3c^2d^2e^2j^k^1 + 12a^2b^2c^4e^2f^3g^2m + 12a^2b^2c^4d^2f^3h^m + 9a^3b^3c^4f^2g^2h^2j + 9a^3b^3c^4e^2g^2h^2k + 9a^3b^3c^4d^2f^2j^k^2 + 9a^2b^3c^5d^2f^2j^k + 9a^2b^3c^5d^2g^2h^k^1 - 9a^2b^3c^5d^2g^2h^2k^1 - 6a^2b^2c^4e^2f^3h^k^1 + 3a^3b^2c^3f^2g^2h^j^3 + 3a^2b^2c^4f^3g^2h^j + 45a^3b^3c^4d^2f^2g^2m^2 - 27a^2b^3c^5d^2f^2g^2m + 18a^3b^3c^4e^2f^2g^2k^1 + 15a^3b^3c^2e^2f^2g^2k^1 - 12a^3b^2c^3d^2e^2j^k^3 + 9a^3b^3c^4d^2e^2h^m^2 + 9a^3b^3c^4e^2g^2h^j^2 + 9a^3b^3c^4e^2f^2h^k^2 - 9a^2b^3c^3d^2f^2h^k^3 + 9a^2b^3c^5d^2f^2h^k^1 + 9a^2b^3c^5d^2f^2g^2m^2 + 9a^2b^3c^4d^2f^2g^2m + 6a^3b^3c^2d^2f^2h^k^1 + 3a^2b^4c^2d^2e^2j^k^3 + 18a^3b^3c^4e^2f^2g^2k^2 + 18a^2b^3c^5d^2g^2h^j + 18a^2b^3c^5d^2f^2g^2k^1 + 18a^2b^3c^5d^2e^2g^2m - 12a^3b^2c^3d^2f^2h^k^3 + 9a^3b^3c^4e^2f^2h^j^2 + 9a^3b^3c^4d^2f^2g^2k^1 + 9a^3b^3c^4d^2e^2g^2m^2 + 9a^3b^3c^4d^2g^2h^2j^2 + 9a^2b^2c^4e^2f^2g^3k + 9a^2b^2c^4d^2g^3h^j + 9a^2b^2c^4d^2f^2g^3k^1 + 9a^2b^2c^4d^2e^2g^3m + 9a^2b^3c^5e^2f^2h^j + 9a^2b^3c^5e^2f^2g^2k - 9a^2b^3c^4d^2g^2h^j - 9a^2b^3c^4d^2f^2g^2k^1 - 9a^2b^3c^4d^2e^2g^2m - 3a^3b^2c^3e^2f^2g^2k^3 + 3a^2b^4c^2e^2f^2g^2k^3 + 3a^2b^4c^2d^2f^2h^k^3 - 54a^3b^3c^4d^2e^2f^2m^2 - 51a^3b^3c^2d^2e^2f^2m^3 - 27a^3b^3c^4d^2e^2g^2k^1 + 9a^3b^3c^4d^2e^2h^2k^2 + 9a^2b^3c^5e^2f^2g^2j + 9a^2b^3c^5d^2f^2h^2j + 9a^2b^3c^5d^2e^2h^2k + 9a^2b^3c^5d^2e^2g^2k^1 - 9a^2b^3c^5d^2e^2f^2m^2 - 9a^2b^3c^4d^2e^2g^2k^1 - 9a^2b^2c^5d^2e^2g^2k^1 - 9a^2b^2c^5d^2e^2f^2m - 3a^2b^3c^3e^2f^2g^2j^3 - 3a^2b^3c^3d^2f^2h^j^3 + 36a^3b^2c^3d^2e^2f^2k^1 - 27a^2b^3c^5d^2f^2g^2j^2 - 18a^2b^4c^2d^2e^2f^2k^1 - 18a^2b^3c^5d^2e^2h^2j + 9a^2b^3c^5d^2e^2h^j^2 + 9a^2b^3c^5d^2f^2g^2j + 9a^2b^3c^5d^2e^2f^2k^1 + 9a^2b^3c^4d^2f^2g^2j^2 - 9a^2b^2c^5d^2f^2g^2j - 9a^2b^2c^5d^2e^2f^2k^1 + 3a^2b^2c^4d^2e^2h^3j - 18a^2b^3c^5e^2f^2g^2h^2 + 18a^2b^3c^5d^2e^2f^2k^2 + 15a^2b^3c^3d^2e^2f^2k^3 + 9a^2b^3c^5e^2f^2g^2h + 9a^2b^3c^5d^2e^2g^2j^2 - 9a^2b^3c^4d^2e^2f^2k^2 + 9a^2b^2c^5d^2e^2g^2j - 9a^2b^2c^5d^2e^2f^2k + 3a^2b^2c^4e^2f^2g^2h^3 + 18a^2b^3c^5d^2e^2f^2j^2 + 9a^2b^3c^5d^2f^2g^2h^2 - 9a^2b^3c^4d^2e^2f^2j^2 + 9a^2b^2c^5d^2f^2g^2h - 3a^2b^2c^4d^2e^2f^2j^3 + 9a^2b^3c^5d^2e^2g^2h^2 - 9a^2b^2c^5d^2e^2g^2h^2 + 9a^2b^2c^5d^2e^2f^2h^2 - 36a^6c^2f^2j^k^1m^2 + 36a^5c^3f^2j^k^1m - 36a^5c^3f^2h^2j^k^1m + 36a^5c^3e^2h^j^2k^1m - 18a^6b^3c^j^2k^1m^2 + 9a^6b^3c^j^2k^1m^2 + 9a^6b^3c^j^2k^1m^2 + 3a^5b^2c^j^3k^1m - 36a^5c^3f^2g^2j^k^1m^2 - 36a^5c^3e^2f^2k^2k^1m + 36a^5c^3d^2g^2k^2k^1m - 36a^4c^4d^2g^2k^1m - 36a^5c^3e^2h^j^2k^1m^2 - 36a^5c^3e^2f^2j^2k^1m - 36a^5c^3d^2f^2k^1m^2 + 36a^4c^4e^2h^j^2k^1 + 36a^4c^4e^2f^2j^2k^1m + 9a^6b^3c^h^2k^1m^2 - 3a^4b^3c^h^3k^1m - 36a^5c^3e^2g^2h^2k^1m + 36a^5c^3e^2f^2j^2k^1m^2 - 36a^5c^3d^2g^2j^2k^1m^2 + 36a^5c^3d^2f^2j^2k^1m^2 - 36a^5c^3d^2e^2k^1m^2 + 36a^4c^4e^2g^2h^2k^1m - 36a^4c^4e^2f^2j^2k^1m - 36a^4c^4d^2f^2j^2k^1m + 9a^6b^3c^h^2k^1m^2 + 9a^6b^3c^g^2k^1m^2 + 9a^5b^2c^g^2k^3k^1m + 3a^3b^4c^g^3k^1m + 36a^5c^3f^2g^2h^2j^2k^1m + 36a^5c^3e^2f^2h^2k^1m^2 - 36a^4c^4f^2g^2h^2j^2k^1m - 36a^4c^4e^2f^2h^2k^1m - 24a^4b^3c^3f^3k^1m - 12a^5b^3c^2h^2j^3k^1m - 12a^5b^3c^2g^2j^3k^1m - 3a^2b^5c^f^3k^1m - 36a^4c^4e^2g^2h^2k^1 - 36a^4c^4e^2f^2g^2k^1m + 12a^5b^2c^e^2k^1k^1m - 6a^5b^2c^f^2j^2k^1m + 3a^5b^2c^h^2j^2k^1m + 48a^3b^3c^4d^3k^1m + 36a^4c^4e^2f^2h^2j^2k^1m + 36a^4c^4d^2g^2h^2k^1 - 36a^4c^4d^2f^2h^2k^1m - 36a^4c^4d^2e^2j^2k^1 + 24a^5b^3c^2d^3k^1m + 21a^5b^3c^2d^3k^1m - 12a^5b^3c^2g^2j^2k^1 - 9a^4b^3c^d^2k^3k^1m + 6a^5b^3c^2f^2j^2k^3k^1m + 3a^5b^2c^g^2h^2k^1m - 36a^4c^4e^2f^2h^2j^2k^1 - 12a^5b^3c^2g^2h^2k^3k^1m - 3a^5b^2c^e^2j^2k^1m^3 - 3a^5b^2c^d^2j^2k^1m^3 - 36a^4c^4d^2g^2h^2j^2k^2 - 36a^4c^4d^2f^2g^2k^2k^1 - 36a^4c^4d^2e^2h^2k^2k^1 - 36a^4c^4d^2e^2g^2k^2m + 36a^3c^5d^2g^2h^2j^2k + 36a^3c^5d^2f^2g^2k^1 - 36a^3c^5d^2f^2g^2j^2k + 36a^3c^5d^2e^2h^2k^1 + 36a^3c^5d^2e^2g^2k^1m - 36a^3c^5d^2e^2f^2k^1m + 24a^
\end{aligned}$$

$$\begin{aligned}
& 5b^2c^2e^2h^2j^2k^2m^2 - 24a^3b^2c^4e^3j^2k^2m^2 - 12a^5b^2c^2f^2h^2k^2m^2 - 12a^5b^2c^2f^2g^2j^2k^2m^2 - 3a^5b^2c^2g^2h^2j^2k^2m^2 - 3a^4b^3c^2e^2j^2k^2m^2 - 3a^4b^5c^2e^2j^2k^2m^2 + 36a^4c^4d^2e^2h^2j^2k^2m^2 + 36a^4c^4d^2e^2g^2k^2m^2 - 36a^3c^5d^2e^2h^2j^2k^2m^2 - 36a^3c^5d^2e^2g^2k^2m^2 - 36a^3c^5d^2e^2f^2k^2m^2 + 24a^4b^2c^3e^2h^2k^2m^2 - 24a^3b^2c^4e^2g^2j^2k^2m^2 - 18a^2b^4c^3d^2j^2k^2m^2 - 12a^4b^2c^3g^2h^2j^2k^2m^2 - 12a^4b^2c^3f^2h^2k^2m^2 - 12a^4b^2c^3d^2h^2j^2k^2m^2 + 12a^3b^2c^4e^2h^2k^2m^2 + 6a^4b^2c^3f^2h^2j^2k^2m^2 - 3a^4b^3c^2g^2h^2j^2k^2m^2 - 3a^4b^3c^2f^2h^2k^2m^2 - 3a^4b^3c^2d^2h^2j^2k^2m^2 - 3a^4b^5c^2e^2h^2k^2m^2 - 3a^2b^5c^2e^2g^2j^2k^2m^2 + 36a^4c^4e^2f^2g^2h^2j^2k^2m^2 - 36a^4c^4d^2e^2f^2j^2k^2m^2 - 36a^3c^5e^2f^2g^2h^2j^2k^2m^2 - 36a^3c^5d^2f^2g^2j^2k^2m^2 - 36a^3c^5d^2e^2f^2k^2m^2 + 36a^3c^5d^2e^2f^2j^2k^2m^2 - 18a^2b^4c^3d^2h^2k^2m^2 - 9a^2b^4c^3d^2g^2j^2k^2m^2 + 30a^5b^2c^2d^2g^2k^2m^2 - 30a^4b^3c^2d^2g^2k^2m^2 - 24a^5b^2c^2e^2f^2k^2m^2 - 24a^5b^2c^2d^2f^2l^2m^2 + 24a^4b^2c^3e^2g^2j^2k^2m^2 + 24a^4b^2c^3d^2h^2j^2k^2m^2 + 15a^4b^3c^2e^2f^2k^2m^2 + 15a^4b^3c^2d^2f^2l^2m^2 + 12a^5b^2c^2e^2g^2j^2k^2m^2 + 12a^5b^2c^2d^2h^2j^2k^2m^2 - 12a^4b^2c^3f^2h^2j^2k^2m^2 - 12a^4b^2c^3f^2g^2j^2k^2m^2 + 6a^4b^3c^2e^2g^2j^2k^2m^2 + 6a^4b^3c^2d^2h^2j^2k^2m^2 + 6a^4b^2c^3e^2h^2j^2k^2m^2 + 36a^3c^5d^2e^2g^2h^2j^2k^2m^2 - 24a^5b^2c^2f^2g^2h^2j^2k^2m^2 + 15a^4b^3c^2f^2g^2h^2j^2k^2m^2 - 9a^2b^6c^2d^2g^2j^2k^2m^2 - 6a^3b^4c^2d^2g^2k^2m^2 - 6a^2b^4c^3e^2f^2j^2k^2m^2 + 3a^3b^4c^2e^2g^2j^2k^2m^2 + 3a^3b^4c^2e^2f^2k^2m^2 + 3a^3b^4c^2d^2h^2j^2k^2m^2 + 3a^3b^4c^2d^2e^2l^2m^2 + 3a^2b^4c^3e^2h^2j^2k^2m^2 + 3a^2b^4c^3e^2g^2j^2k^2m^2 + 3a^2b^4c^3e^2f^2k^2m^2 + 3a^2b^4c^3d^2e^2l^2m^2 - 36a^3c^5d^2e^2g^2h^2j^2k^2m^2 + 30a^2b^2c^5d^3f^2j^2k^2m^2 - 30a^2b^3c^4d^3f^2j^2k^2m^2 + 24a^3b^2c^4d^2g^3j^2k^2m^2 - 24a^2b^2c^5d^3h^2j^2k^2m^2 - 24a^2b^2c^5d^3f^2k^2m^2 - 24a^2b^2c^5d^3e^2k^2m^2 + 15a^2b^3c^4d^3h^2j^2k^2m^2 + 15a^2b^3c^4d^3f^2k^2m^2 + 15a^2b^3c^4d^3e^2k^2m^2 - 12a^3b^2c^4e^2g^3j^2k^2m^2 + 12a^2b^2c^5d^3g^2j^2k^2m^2 + 6a^2b^3c^4d^3g^2j^2k^2m^2 + 3a^3b^4c^2f^2g^2h^2j^2k^2m^2 + 3a^2b^4c^3e^2g^2h^2j^2k^2m^2 + 24a^3b^2c^4d^2g^3h^2j^2k^2m^2 - 12a^3b^2c^4f^2g^3h^2k^2m^2 + 12a^2b^2c^5d^3g^2h^2j^2k^2m^2 - 9a^3b^4c^2d^2e^2j^2k^2m^2 + 6a^3b^2c^4d^3g^2h^2j^2k^2m^2 + 36a^3c^5d^2e^2f^2g^2k^2m^2 - 36a^2c^6d^2e^2f^2g^2k^2m^2 - 24a^4b^2c^3d^2e^2j^2k^2m^2 - 18a^3b^4c^2e^2f^2g^2m^2 - 18a^3b^4c^2d^2f^2h^2m^2 - 3a^2b^5c^2d^2e^2j^2k^2m^2 - 3a^2b^3c^4d^2e^2j^2k^2m^2 - 24a^4b^2c^3e^2f^2g^2l^2m^2 + 24a^3b^2c^4d^2f^2h^2j^2k^2m^2 + 12a^4b^2c^3d^2f^2h^2j^2k^2m^2 - 12a^3b^2c^4e^2g^2h^2j^2k^2m^2 - 12a^3b^2c^4e^2f^2h^2k^2m^2 - 12a^3b^2c^4d^2e^2h^2j^2k^2m^2 - 12a^2b^2c^5d^3e^2j^2k^2m^2 + 6a^3b^2c^4d^2g^2h^2j^2k^2m^2 - 3a^2b^5c^2e^2f^2g^2l^2m^2 - 3a^2b^5c^2d^2f^2h^2j^2k^2m^2 - 3a^2b^3c^4e^2g^2h^2j^2k^2m^2 - 3a^2b^3c^4e^2f^2h^2k^2m^2 - 3a^2b^3c^4e^2f^2g^2l^2m^2 - 3a^2b^3c^4d^2e^2h^2j^2k^2m^2 + 24a^2b^2c^5d^3e^2h^2j^2k^2m^2 - 12a^2b^2c^5d^3f^2h^2k^2m^2 - 3a^2b^2c^5d^3g^2h^2j^2k^2m^2 - 3a^2b^2c^5d^3f^2g^2l^2m^2 - 3a^2b^2c^5d^3e^2g^2m^2 + 48a^4b^2c^3d^2e^2f^2m^2 + 24a^2b^2c^5d^2e^2f^2m^2 + 21a^2b^5c^2d^2e^2f^2m^2 - 12a^2b^2c^5e^2f^2g^2j^2k^2m^2 - 12a^2b^2c^5d^2f^2h^2j^2k^2m^2 - 9a^2b^3c^4d^2e^2f^2m^2 + 6a^2b^2c^5d^2f^2g^2k^2m^2 + 12a^2b^2c^5d^2e^2f^2l^2m^2 - 6a^2b^2c^5d^2e^2g^2k^2m^2 + 3a^2b^2c^5d^2e^2h^2j^2k^2m^2 - 24a^3b^2c^4d^2e^2f^2k^2m^2 - 12a^2b^2c^5d^2e^2g^2j^2k^2m^2 - 3a^2b^5c^2d^2e^2f^2k^2m^2 + 3a^2b^2c^5e^2f^2g^2h^2 - 12a^2b^2c^5d^2f^2g^2h^2 + 9a^2b^2c^5d^2e^2f^2j^2k^2m^2 + 9a^2b^2c^6d^2e^2f^2j^2k^2m^2 + 3a^2b^4c^3d^2e^2f^2j^2k^2m^2 + 9a^2b^2c^6d^2e^2g^2h^2 - 3a^2b^3c^4d^2e^2f^2h^2 - 18a^2b^2c^6d^2e^2f^2g^2 + 9a^2b^2c^6d^2e^2f^2g^2 + 3a^2b^2c^5d^2e^2f^2g^2 - 36a^4b^2c^2e^2f^2k^2l^2m^2 - 9a^4b^2c^2g^2j^2k^2m^2 + 45a^3b^3c^2d^2k^2l^2m^2 + 36a^4b^2c^2e^2j^2k^2m^2 + 9a^4b^2c^2g^2j^2k^2m^2 + 9a^3b^3c^2e^2j^2k^2m^2 + 9a^4b^2c^2g^2h^2k^2m^2 - 9a^4b^2c^2f^2h^2j^2k^2m^2 - 9a^3b^3c^2e^2f^2j^2k^2m^2 - 9a^2b^4c^2d^2j^2k^2m^2 - 36a^3b^2c^3d^2j^2k^2m^2 - 27a^3b^2c^3e^2h^2k^2m^2 + 9a^4b^2c^2g^2h^2j^2k^2m^2 + 9a^4b^2c^2f^2h^2k^2l^2m^2 - 9a^4b^2c^2e^2j^2k^2l^2m^2 - 9a^2b^4c^2d^2j^2k^2m^2 - 36a^3b^2c^3d^2j^2k^2m^2 - 27a^3b^2c^3e^2h^2k^2m^2 + 9a^4b^2c^2g^2h^2j^2k^2m^2 + 9a^4b^2c^2f^2h^2k^2l^2m^2 - 9a^4b^2c^2e^2j^2k^2l^2m^2 + 9a^2b^4c^2d^2e^2h^2k^2m^2 + 9a^2b^4c^2d^2j^2k^2l^2m^2 - 45a^3b^3c^2e^2h^2j^2k^2m^2 + 36a^4b^2c^2e^2h^2j^2k^2m^2 + 36a^3b^2c^3e^2h^2j^2k^2m^2 - 36a^3b^2c^3d^2h^2k^2m^2 + 36a^2b^3c^3d^2g^2l^2m^2 - 9a^4b^2c^2f^2h^2j^2k^2l^2m^2 - 9a^4b^2c^2d^2h^2k^2m^2 + 9a^3b^3c^2f^2h^2j^2k^2l^2m^2 + 9a^3b^3c^2e^2f^2l^2m^2 + 9a^
\end{aligned}$$

$$\begin{aligned}
&^3b^3c^2eh^2j^2m - 9a^3b^2c^3f^2h^2j^1 - 9a^2b^4c^2e^2h^2j^2 \\
&^2m + 9a^2b^4c^2d^2h^2k^2m + 36a^3b^2c^3d^2h^2k^1^2 - 27a^4b^2c^2 \\
&^2eg^2j^2m^2 - 27a^4b^2c^2d^2h^2j^2m^2 - 9a^4b^2c^2d^2h^2k^2l^2 - 9 \\
&a^3b^3c^2ef^2k^2m^2 - 9a^3b^3c^2d^2f^2l^2m^2 + 9a^3b^2c^3f^2h^2j^2k \\
&+ 9a^3b^2c^3f^2g^2j^2l^1 - 9a^3b^2c^3e^2g^2k^2l^1 - 9a^3b^2c^3 \\
&^3e^2f^2k^2m - 9a^3b^2c^3d^2f^2l^2m - 9a^2b^4c^2d^2h^2k^1^2 + 9a \\
&a^2b^3c^3d^2h^2k^1 - 81a^3b^2c^3d^2g^2j^2m^2 + 54a^2b^4c^2d^2g^2j^2m^2 \\
&- 45a^3b^3c^2d^2g^2j^2m^2 - 45a^2b^3c^3d^2g^2j^2m^2 + 36a^3b^2 \\
&^2c^3d^2f^2k^2m^2 + 36a^3b^2c^3d^2g^2j^2m^2 + 18a^3b^2c^3e^2g^2j^1^2 \\
&+ 18a^3b^2c^3e^2f^2k^1^2 + 18a^3b^2c^3d^2e^2l^2m - 9a^4b^2c^2 \\
&^2d^2f^2k^2m^2 - 9a^3b^3c^2f^2g^2h^2m^2 - 9a^3b^3c^2d^2h^2j^1^2 - 9a^3 \\
&b^2c^3f^2g^2j^2k^2 - 9a^3b^2c^3d^2e^2l^2m^2 - 9a^3b^2c^3f^2g^2h^2 \\
&^2m - 9a^3b^2c^3e^2g^2j^2l^1 - 9a^3b^2c^3e^2f^2k^2l^1 - 9a^2b^4c^2 \\
&^2d^2f^2k^2m^2 - 9a^2b^4c^2d^2g^2j^2m^2 - 9a^2b^3c^3e^2h^2j^2k - 9a^2 \\
&b^2c^4d^2f^2k^2m - 27a^2b^2c^4d^2g^2j^1 - 9a^3b^3c^2f^2g^2h^2l^1 \\
&^2 + 9a^3b^2c^3e^2g^2j^2k^2 - 9a^3b^2c^3e^2f^2j^1^2 - 9a^3b^2c^3 \\
&d^2h^2j^2k - 9a^3b^2c^3d^2f^2k^1^2 - 9a^3b^2c^3d^2e^2k^2m^2 - 9a^2 \\
&b^3c^3e^2g^2h^2m - 9a^2b^3c^3d^2h^2j^2k^2 - 9a^2b^3c^3d^2f^2k^2 \\
&^2l - 9a^2b^3c^3d^2e^2k^2m + 36a^3b^3c^2d^2e^2j^2m^2 + 36a^3b^2c^3 \\
&^3e^2f^2h^2m^2 - 27a^2b^2c^4d^2g^2h^2m + 9a^3b^3c^2e^2f^2h^2m^2 + 9a \\
&^3b^2c^3f^2g^2h^2k^2 - 9a^2b^4c^2e^2f^2h^2m^2 + 9a^2b^3c^3d^2e^2k^1 \\
&^2 - 9a^2b^2c^4e^2f^2h^2m - 45a^2b^3c^3d^2g^2h^1^2 - 36a^3b^2c^3 \\
&^3e^2f^2g^2m^2 + 36a^3b^2c^3d^2g^2h^1^2 - 36a^3b^2c^3d^2f^2h^2m^2 + \\
&36a^2b^2c^4d^2g^2h^2l^1 - 9a^3b^2c^3e^2g^2h^2k^2 + 9a^2b^4c^2e^2f^2 \\
&^2g^2m^2 - 9a^2b^4c^2d^2g^2h^1^2 + 9a^2b^4c^2d^2f^2h^2m^2 + 9a^2b^3 \\
&c^3e^2g^2h^2k^2 + 9a^2b^3c^3d^2g^2h^2l^1 - 9a^2b^3c^3d^2e^2j^1^2 - \\
&9a^2b^2c^4e^2g^2h^2k - 9a^2b^2c^4e^2f^2g^2m - 9a^2b^2c^4d^2f^2 \\
&^2j^2k - 9a^2b^2c^4d^2f^2h^2m - 9a^2b^2c^4d^2e^2j^2l^1 - 45a^2b^3 \\
&c^3d^2f^2g^2m^2 + 36a^3b^2c^3d^2f^2g^2m^2 - 27a^3b^2c^3d^2f^2h^2l^1^2 \\
&+ 18a^2b^2c^4d^2e^2j^2k^2 + 9a^2b^4c^2d^2f^2h^2l^1^2 - 9a^2b^4c^2d^2 \\
&f^2g^2m^2 - 9a^2b^3c^3e^2f^2g^2l^2 + 9a^2b^2c^4e^2g^2h^2j + 9a^2b \\
&^2c^4e^2f^2h^2k - 9a^2b^2c^4e^2f^2g^2l^1 - 9a^2b^2c^4d^2f^2g^2m \\
&- 9a^2b^2c^4d^2e^2j^2k + 9a^2b^2c^4d^2e^2h^2m + 18a^4b^2c^2f^2 \\
&^2j^2m^2 + 18a^3b^2c^3e^2h^2l^1^2 - 9a^2b^4c^2e^2h^2l^1^2 + 18a^2 \\
&b^2c^4d^2g^2k^2 + 12a^6c^2j^3k^1m + 3a^6b^2j^2k^1m^3 - 12a^6c^2 \\
&g^2k^3l^1m - 12a^5c^3g^3k^1m - 24a^6c^2e^2k^1^3m - 24a^4c^4e^3 \\
&k^1m + 12a^6c^2h^2j^2k^1^3 + 12a^6c^2f^2j^1^3m + 12a^5c^3h^3j^2k^1 \\
&- 3a^5b^3h^2j^2k^1m^3 - 3a^5b^3g^2j^1m^3 - 3a^5b^3f^2k^1m^3 + 12a^6 \\
&c^2g^2h^1^3m + 12a^5c^3g^2h^3l^1m - 12a^6c^2e^2j^2k^1m^3 - 12a^6c^2 \\
&d^2j^1m^3 - 12a^5c^3f^2j^3k^1 - 12a^5c^3e^2j^3k^1m - 12a^5c^3d^2j^3 \\
&l^1m - 12a^4c^4f^3j^2k^1 + 24a^6c^2f^2h^2k^1m^3 + 24a^6c^2f^2g^2l^1m^3 + \\
&24a^4c^4f^3h^2k^1m + 24a^4c^4f^3g^2l^1m - 12a^6c^2g^2h^2j^2m^3 - 12a^6 \\
&c^2e^2h^1m^3 - 12a^5c^3g^2h^2j^3m + 3b^6c^2d^3j^2k^1 + 3a^4b^4e^2j^2 \\
&k^1m^3 + 3a^4b^4d^2j^1m^3 - 24a^5c^3d^2j^2k^3l^1 - 24a^3c^5d^3j^2k^1 \\
&- 6a^4b^4e^2h^1m^3 + 3b^6c^2d^3h^2k^1m + 3b^6c^2d^3g^2l^1m + 3a^6b \\
&c^2j^2l^1^3m + 3a^4b^4g^2h^2j^2m^3 + 3a^4b^4f^2h^2k^1m^3 + 3a^4b^4f^2g^2l^1 \\
&m^3 - 24a^5c^3d^2h^2k^3m - 24a^3c^5d^3h^2k^1m + 12a^5c^3g^2h^2j^2k^3 \\
&+ 12a^5c^3f^2g^2k^3l^1 + 12a^5c^3e^2h^2k^3l^1 + 12a^5c^3e^2g^2k^3m + 12a^4 \\
&c^4g^3h^2j^2k + 12a^4c^4f^2g^3k^1 + 12a^4c^4f^2g^3j^2m + 12a^4c^4e^2 \\
&g^3k^1m + 12a^4c^4d^2g^3l^1m + 12a^3c^5d^3g^2l^1m + 3a^6b^2c^2j^2k^3m^2 \\
&- 9a^6b^2c^2h^2l^1m^3 - 3a^5b^2c^2j^4k^1 + 24a^5c^3e^2g^2j^1^3 + 24a^5 \\
&c^3e^2f^2k^1^3 + 24a^5c^3d^2e^2l^3m + 24a^3c^5e^3g^2j^1 + 24a^3c^5 \\
&e^3f^2k^1 + 24a^3c^5d^2e^3l^1m - 12a^5c^3d^2h^2j^1^3 - 12a^5c^3d^2g^2k^1 \\
&^3 - 12a^4c^4e^2h^3j^2k - 12a^4c^4d^2h^3j^1 - 12a^3c^5e^3h^2j^2k - \\
&12a^3c^5e^3f^2j^2m + 9a^4b^2c^3g^4l^1m + 6b^5c^3d^3f^2j^2m + 6a^3b \\
&^5d^2g^2k^1m^3 - 3b^5c^3d^3h^2j^2k - 3b^5c^3d^3g^2j^1 - 3b^5c^3d^3f^2 \\
&k^1 - 3b^5c^3d^3e^2k^1m - 3a^3b^5e^2g^2j^2m^3 - 3a^3b^5e^2f^2k^1m^3 - 3a \\
&^3b^5d^2h^2j^2m^3 - 3a^3b^5d^2f^2l^1m^3 - 12a^5c^3f^2g^2h^1^3 - 12a^4c^4 \\
&f^2g^2h^3l^1 - 12a^4c^4e^2g^2h^3m - 12a^3c^5e^3g^2h^2m - 9a^6b^2c^2g^2k^2m
\end{aligned}$$

$$\begin{aligned}
&^3 - 3b^5c^3d^3g^*h^*m + 3a^6b^*c^*f^*l^3m^2 - 3a^3b^5f^*g^*h^*m^3 + 12a^5c^3d^*e^*j^*m^3 + 12a^4c^4e^*f^*j^3k + 12a^4c^4d^*g^*j^3k + 12a^4c^4d^*f^*j^3l + 12a^4c^4d^*e^*j^3m + 12a^3c^5e^*f^3j^*k + 12a^3c^5d^*f^3j^*l - 9a^6b^*c^*e^*l^2m^3 - 24a^5c^3e^*f^*g^*m^3 - 24a^5c^3d^*f^*h^*m^3 - 24a^3c^5e^*f^3g^*m - 24a^3c^5d^*f^3h^*m - 15a^2b^*c^5d^4l^*m + 15a^*b^3c^4d^4l^*m + 12a^4c^4f^*g^*h^*j^3 + 12a^3c^5f^3g^*h^*j + 12a^3c^5e^*f^3h^*l + 9a^3b^*c^4f^4k^*l - 9a^3b^*c^4f^4j^*m + 3b^4c^4d^3e^*j^*k + 3a^5b^2c^*g^*j^*l^4 + 3a^5b^2c^*f^*k^*l^4 + 3a^5b^2c^*d^*l^4m - 3a^5b^*c^2h^*j^*k^4 - 3a^5b^*c^2f^*k^4l - 3a^5b^*c^2e^*k^4m - 3a^4b^*c^3h^4j^*k + 3a^2b^6d^*e^*j^*m^3 + 3a^*b^4c^3e^4k^*m + 24a^4c^4d^*e^*j^*k^3 + 24a^2c^6d^3e^*j^*k - 6b^4c^4d^3e^*h^*l + 3b^4c^4d^3g^*h^*j + 3b^4c^4d^3f^*h^*k + 3b^4c^4d^3f^*g^*l + 3b^4c^4d^3e^*g^*m - 3a^4b^*c^3g^*h^4m + 3a^2b^6e^*f^*g^*m^3 + 3a^2b^6d^*f^*h^*m^3 - 3a^*b^6c^*e^3j^*m^2 + 24a^4c^4d^*f^*h^*k^3 + 24a^2c^6d^3f^*h^*k - 12a^4c^4e^*f^*g^*k^3 - 12a^3c^5e^*f^*g^3k - 12a^3c^5d^*g^3h^*j - 12a^3c^5d^*f^*g^3l - 12a^3c^5d^*e^*g^3m - 12a^2c^6d^3g^*h^*j - 12a^2c^6d^3f^*g^*l - 12a^2c^6d^3e^*h^*l - 12a^2c^6d^3e^*g^*m - 12a^*b^2c^5d^4j^*l + 9a^5b^*c^2d^*j^*l^4 + 9a^2b^*c^5e^4j^*k - 3a^4b^3c^*d^*j^*l^4 - 3a^4b^*c^3e^*j^4k - 3a^4b^*c^3d^*j^4l - 3a^*b^3c^4e^4j^*k - 24a^4c^4d^*e^*f^*l^3 - 24a^2c^6d^*e^3f^*l - 12a^5b^2c^*e^*g^*m^4 - 12a^5b^2c^*d^*h^*m^4 + 12a^3c^5d^*e^*h^3j + 12a^2c^6d^*e^3h^*j + 12a^2c^6d^*e^3g^*k - 12a^*b^2c^5d^4h^*m + 9a^5b^*c^2f^*g^*l^4 - 9a^5b^*c^2e^*h^*l^4 - 9a^2b^*c^5e^4h^*l + 9a^2b^*c^5e^4g^*m + 6a^4b^3c^*e^*h^*l^4 + 6a^*b^3c^4e^4h^*l - 3b^3c^5d^3e^*g^*j - 3b^3c^5d^3e^*f^*k - 3a^4b^3c^*f^*g^*l^4 - 3a^4b^*c^3g^*h^*j^4 - 3a^3b^*c^4g^4h^*j - 3a^3b^*c^4f^*g^4l - 3a^3b^*c^4e^*g^4m - 3a^*b^3c^4e^4g^*m + 12a^3c^5e^*f^*g^*h^3 + 12a^2c^6e^3f^*g^*h - 3b^3c^5d^3f^*g^*h - 12a^3c^5d^*e^*f^*j^3 - 12a^2c^6d^*e^*f^3j - 3a^*b^6c^*d^2g^*l^3 - 15a^5b^*c^2d^*e^*m^4 + 15a^4b^3c^*d^*e^*m^4 + 9a^4b^*c^3e^*f^*k^4 - 9a^4b^*c^3d^*g^*k^4 + 3a^3b^4c^*d^*f^*l^4 - 3a^3b^*c^4d^*h^4j - 3a^2b^*c^5e^*f^4k - 3a^2b^*c^5d^*f^4l + 3a^*b^2c^5e^4g^*j + 3a^*b^2c^5e^4f^*k + 3a^*b^2c^5d^*e^4m - 9a^*b^*c^6d^3e^2l + 3b^2c^6d^3e^*f^*g - 3a^3b^*c^4f^*g^*h^4 - 3a^2b^*c^5f^4g^*h + 12a^2c^6d^*e^*f^*g^3 - 9a^*b^*c^6d^3f^2j + 3a^*b^*c^6d^2e^3k + 9a^3b^*c^4d^*e^*j^4 - 3a^2b^*c^5e^*f^*g^4 - 9a^*b^*c^6d^3e^*h^2 + 3a^*b^*c^6d^2f^3g + 3a^*b^*c^6d^*e^3g^2 - 3a^4b^2c^2h^3j^2m + 12a^4b^2c^2g^3j^*m^2 - 3a^4b^2c^2f^2k^3m + 3a^3b^3c^2g^3j^2m - 9a^3b^4c^*f^2j^2m^2 + 9a^3b^3c^2f^2j^3m - 6a^3b^3c^2f^3j^*m^2 - 6a^3b^2c^3f^3j^2m - 3a^2b^4c^2f^3j^2m - 27a^4b^2c^2d^2k^*m^3 - 27a^3b^2c^3e^3j^*m^2 + 18a^2b^4c^2e^3j^*m^2 - 15a^2b^3c^3e^3j^2m + 12a^4b^2c^2f^2j^*l^3 + 3a^3b^3c^2e^2k^3l + 42a^2b^3c^3d^3j^*m^2 - 27a^2b^2c^4d^3j^2m - 15a^3b^3c^2d^2k^*l^3 - 3a^4b^2c^2f^*j^2k^3 - 3a^4b^2c^2f^*h^3m^2 + 3a^3b^3c^2g^3h^*l^2 + 3a^3b^3c^2f^2j^*k^3 - 3a^3b^2c^3g^3h^2l - 3a^3b^2c^3e^2j^3l - 27a^4b^2c^2e^2h^*m^3 + 12a^3b^2c^3f^3h^*l^2 + 3a^3b^3c^2f^*g^3m^2 - 3a^2b^4c^2f^3h^*l^2 + 3a^2b^3c^3f^3h^2l + 9a^3b^3c^2e^*h^3l^2 + 9a^2b^3c^3e^2h^3l - 6a^4b^2c^2e^*h^2l^3 - 6a^3b^3c^2e^2h^*l^3 - 6a^2b^3c^3e^3h^*l^2 - 6a^2b^2c^4e^3h^2l + 3a^2b^3c^3d^2j^3k + 42a^3b^3c^2d^2g^*m^3 - 27a^4b^2c^2d^*g^2m^3 - 27a^2b^2c^4d^3h^*l^2 - 15a^2b^3c^3e^3f^*m^2 + 12a^3b^2c^3e^2h^*k^3 + 3a^3b^3c^2e^*h^2k^3 - 3a^3b^2c^3e^*g^3l^2 - 3a^2b^4c^2e^2h^*k^3 + 3a^2b^3c^3f^3g^*k^2 - 3a^2b^2c^4f^3g^2k - 27a^3b^2c^3d^2g^*l^3 - 27a^2b^2c^4d^3f^*m^2 + 18a^2b^4c^2d^2g^*l^3 - 15a^3b^3c^2d^*g^2l^3 + 12a^2b^2c^4e^3g^*k^2 - 3a^3b^2c^3e^*h^2j^3 + 3a^2b^3c^3e^2h^*j^3 + 3a^2b^3c^3e^*f^3l^2 - 3a^2b^2c^4d^2h^3k + 9a^2b^3c^3d^*g^3k^2 - 9a^*b^4c^3d^2g^2k^2 - 6a^3b^2c^3d^*g^2k^3 - 6a^2b^3c^3d^2g^*k^3 - 3a^2b^4c^2d^*g^2k^3 + 12a^2b^2c^4d^2g^*j^3 + 3a^2b^3c^3d^*g^2j^3 - 3a^2b^2c^4d^*f^3k^2 - 3a^2b^2c^4d^*g^2h^3 + 12a^7c^*j^*k^*l^*m^3 - 3b^7c^*d^3k^*l^*m - 3a^6b^*c^*k^4l^*m - 3a^6b^*c^*j^*k^*l^4 - 3a^6b^*c^*g^*l^4m - 9a^6b^*c^*f^*j^*m^4 + 9a^6b^*c^*e^*k^*m^4 + 9a^6b^*c^*d^*l^*m^4 + 9a^6b^*c^*g^*h^*m^4 - 3a^*b^7d^*e^*f^*m^3 + 9a^*b^*c^6d^4h^*j - 9a^*
\end{aligned}$$

$$\begin{aligned}
& b^6c^4d^4g^2k + 9a^5b^6c^4d^4f^2j + 9a^5b^6c^4d^4e^2m + 12a^5c^7d^3e^2f^2g \\
& - 3a^5b^6c^4d^4e^4j - 3a^5b^6c^4e^4f^2g - 3a^5b^6c^4d^4e^2f^4 + 18a^6c^2h^2j^2k^2m^2 - 18a^6c^2h^2j^2k^2m^2 + 18a^6c^2f^2k^2l^2m^2 + 36a^5c^3e^2k^2l^2m^2 + 18a^6c^2g^2j^2k^2m^2 + 18a^6c^2e^2k^2l^2m^2 + 18a^5c^3g^2j^2k^2m^2 + 18a^6c^2e^2j^2k^2m^2 + 18a^6c^2d^2k^2l^2m^2 - 18a^5c^3e^2j^2k^2m^2 - 18a^6c^2f^2h^2l^2m^2 + 18a^5c^3f^2h^2l^2m^2 - 36a^5c^3f^2h^2k^2m^2 - 36a^5c^3f^2g^2l^2m^2 + 18a^5c^3g^2h^2k^2l^2 - 18a^5c^3g^2h^2k^2l^2 + 18a^5c^3f^2h^2k^2m^2 + 18a^5c^3f^2g^2l^2m^2 + 18a^5c^3e^2j^2k^2l^2 + 18a^5c^3d^2j^2k^2m^2 - 18a^4c^4d^2j^2k^2m^2 + 36a^4c^4d^2j^2k^2l^2 + 18a^5c^3f^2g^2k^2m^2 + 18a^5c^3e^2g^2l^2m^2 + 18a^5c^3d^2j^2k^2l^2 - 18a^4c^4f^2g^2k^2m^2 + 36a^4c^4d^2h^2k^2m^2 + 18a^5c^3f^2h^2j^2l^2 - 18a^5c^3e^2h^2j^2m^2 + 18a^5c^3d^2h^2k^2m^2 + 18a^4c^4f^2h^2j^2l^2 - 18a^4c^4e^2h^2j^2m^2 - 18a^5c^3e^2g^2k^2l^2 + 18a^5c^3d^2h^2k^2l^2 + 18a^4c^4e^2g^2k^2l^2 + 18a^4c^4e^2f^2k^2m^2 - 18a^4c^4d^2h^2k^2l^2 + 18a^4c^4d^2f^2l^2m^2 - 36a^4c^4e^2g^2j^2l^2 - 36a^4c^4e^2f^2k^2l^2 - 36a^4c^4d^2e^2l^2m^2 + 18a^5c^3d^2f^2k^2m^2 + 18a^4c^4f^2g^2j^2k^2m^2 + 18a^4c^4d^2g^2j^2m^2 - 18a^4c^4d^2f^2k^2m^2 + 18a^4c^4d^2e^2l^2m^2 - 18a^4c^4f^2g^2j^2k^2 + 18a^4c^4f^2g^2h^2m^2 + 18a^4c^4e^2g^2j^2l^2 + 18a^4c^4e^2f^2k^2l^2 - 18a^4c^4d^2g^2j^2m^2 - 18a^4c^4d^2f^2k^2m^2 + 18a^3c^5d^2f^2k^2m^2 + 3a^4b^2c^2h^4k^2m - 3a^3b^3c^2g^4l^2m + 18a^4c^4e^2f^2j^2l^2 + 18a^4c^4d^2h^2j^2k^2 + 18a^4c^4d^2f^2k^2l^2 + 18a^4c^4d^2e^2k^2m^2 - 18a^3c^5e^2f^2j^2l^2 + 12a^5b^2c^2g^2k^2m^3 - 9a^5b^2c^2h^3j^2m^2 - 9a^5b^2c^2f^2l^3m + 3a^5b^2c^2h^2k^3l + 3a^4b^3c^2h^3j^2m^2 + 3a^4b^3c^2f^2l^3m - 18a^4c^4e^2f^2h^2m^2 + 18a^3c^5e^2f^2h^2m + 15a^5b^2c^2e^2l^2m^3 - 15a^4b^3c^2e^2l^2m^3 - 9a^5b^2c^2g^2k^2l^3 - 9a^4b^3c^3g^3j^2m - 3a^5b^2c^2g^2k^2l^3 + 3a^5b^2c^2h^2j^3l^2 + 3a^4b^3c^2g^2k^2l^3 - 3a^3b^4c^2g^3j^2m^2 + 36a^4c^4e^2f^2g^2m^2 + 36a^4c^4d^2f^2h^2m^2 + 18a^4c^4e^2g^2h^2k^2 - 18a^4c^4d^2g^2h^2l^2 - 18a^4c^4d^2f^2j^2k^2 + 18a^3c^5e^2g^2h^2k + 18a^3c^5e^2f^2g^2m - 18a^3c^5d^2g^2h^2l + 18a^3c^5d^2f^2j^2k + 18a^3c^5d^2f^2h^2m + 18a^3c^5d^2e^2j^2l - 12a^2b^2c^4e^4k^2m + 9a^4b^3c^2f^2j^3m^2 - 9a^4b^2c^2f^2j^4m - 6a^5b^2c^2f^2j^2m^3 + 6a^5b^2c^2f^2j^2m^3 - 6a^5b^2c^2f^2j^3m^2 - 6a^4b^3c^2f^2j^2m^3 + 6a^4b^3c^3f^2j^2m^2 - 6a^4b^3c^3f^2j^3m + 6a^2b^3c^3f^4j^2m + 3a^3b^2c^3g^4j^2l + 3a^2b^5c^2f^3j^2m^2 - 3a^2b^3c^3f^4k^2l - 36a^3c^5d^2e^2j^2k^2 - 18a^4c^4d^2f^2g^2m^2 + 18a^3c^5e^2f^2g^2l + 18a^3c^5d^2f^2g^2m + 18a^3c^5d^2e^2j^2k + 18a^3b^4c^2d^2k^2m^3 + 15a^3b^4c^4e^3j^2m + 12a^5b^2c^2d^2k^2m^3 - 9a^5b^2c^2f^2j^2l^3 - 9a^4b^3c^3e^2k^3l + 3a^5b^2c^2e^2k^3l^2 + 3a^4b^3c^2f^2j^2l^3 + 3a^4b^3c^3g^2j^3k - 3a^3b^4c^2f^2j^2l^3 + 3a^3b^2c^3g^4h^2m + 3a^5b^2c^2e^3j^2m - 36a^3c^5d^2f^2h^2k^2 - 21a^3b^4c^4d^3j^2m^2 - 21a^3b^5c^2d^3j^2m^2 + 18a^3c^5e^2f^2h^2j^2 - 18a^3c^5e^2f^2h^2j + 18a^3c^5d^2f^2h^2k + 18a^3b^4c^3d^3j^2m + 15a^4b^3c^3d^2k^2l^3 - 9a^5b^2c^2d^2k^2l^3 - 9a^4b^3c^3g^3h^2l^2 - 9a^4b^3c^3f^2j^2k^3 + 3a^4b^3c^3d^2k^2l^3 + 3a^2b^5c^2d^2k^2l^3 - 18a^3c^5d^2e^2g^2l^2 + 18a^3c^5d^2e^2h^2k^2 + 18a^3b^4c^2e^2h^2m^3 - 18a^2c^6d^2e^2h^2k + 18a^2c^6d^2e^2g^2l + 18a^2c^6d^2e^2f^2m + 15a^5b^2c^2e^2h^2m^3 - 15a^4b^3c^2e^2h^2m^3 - 9a^4b^3c^3f^2g^3m^2 - 9a^3b^4c^4f^3h^2l + 3a^4b^2c^2e^2j^2k^4 + 3a^4b^3c^3g^2h^3k^2 + 3a^3b^4c^4f^2g^3m + 36a^3c^5d^2e^2f^2l^2 + 18a^3c^5d^2f^2g^2j^2 + 18a^2c^6d^2f^2g^2j + 18a^2c^6d^2e^2f^2l - 9a^3b^2c^3e^2h^4l - 9a^3b^2c^4d^2j^3k + 6a^4b^3c^3e^2h^2l^3 - 6a^4b^3c^3e^2h^3l^2 + 6a^3b^4c^4e^3h^2l^2 - 6a^3b^4c^4e^2h^3l + 3a^4b^2c^2f^2h^2k^4 + 3a^4b^3c^3d^2j^3k^2 - 3a^3b^4c^4e^2h^2l^3 + 3a^2b^5c^2e^2h^2l^3 + 3a^2b^2c^4f^4h^2k + 3a^2b^2c^4f^4g^2l + 3a^5b^2c^2e^3h^2l^2 - 3a^4b^4c^3e^3h^2l - 21a^4b^3c^3d^2g^2m^3 - 21a^2b^5c^2d^2g^2m^3 + 18a^3b^4c^4d^2g^2m^3 + 18a^2c^6d^2e^2f^2k + 18a^2b^4c^3d^3h^2l^2 + 15a^3b^4c^4e^3f^2m^2 + 15a^2b^3c^5d^3h^2l - 15a^2b^3c^4d^3h^2l^2 - 9a^4b^3c^3e^2h^2k^3 - 9a^3b^4c^4f^3g^2k^2 - 9a^2b^3c^5e^3f^2m + 3a^3b^4c^4f^2h^3j + 3a^5b^2c^2e^3f^2m^2 + 3a^4b^3c^4e^3f^2m + 1
\end{aligned}$$

$$\begin{aligned}
& 8*a*b^4*c^3*d^3*f*m^2 + 15*a^4*b*c^3*d*g^2*l^3 + 12*a*b^2*c^5*d^3*f^2*m - 9 \\
& *a^3*b*c^4*e^2*h*j^3 - 9*a^3*b*c^4*e*f^3*l^2 - 9*a^2*b*c^5*e^3*g^2*k + 3*a^ \\
& 3*b*c^4*f*g^3*j^2 + 3*a^2*b^5*c*d*g^2*l^3 + 3*a^2*b*c^5*e^2*f^3*l - 3*a*b^4 \\
& *c^3*e^3*g*k^2 + 3*a*b^3*c^4*e^3*g^2*k + 18*a^2*c^6*d^2*e*g*h^2 - 18*a^2*c^ \\
& 6*d*e^2*g^2*h - 12*a^4*b^2*c^2*d*f*l^4 - 9*a^2*b^2*c^4*d*g^4*k + 9*a*b^3*c^ \\
& 4*d^2*g^3*k + 6*a^3*b^3*c^2*d*g*k^4 + 6*a^3*b*c^4*d^2*g*k^3 - 6*a^3*b*c^4*d \\
& *g^3*k^2 + 6*a^2*b*c^5*d^3*g*k^2 - 6*a^2*b*c^5*d^2*g^3*k - 6*a*b^3*c^4*d^3* \\
& g*k^2 - 6*a*b^2*c^5*d^3*g^2*k - 3*a^3*b^3*c^2*e*f*k^4 + 3*a^3*b^2*c^3*e*g*j \\
& ^4 + 3*a^3*b^2*c^3*d*h*j^4 + 3*a*b^5*c^2*d^2*g*k^3 + 15*a^2*b*c^5*d^3*e*l^2 \\
& - 15*a*b^3*c^4*d^3*e*l^2 - 9*a^3*b*c^4*d*g^2*j^3 - 9*a^2*b*c^5*e^3*f*j^2 - \\
& 3*a*b^4*c^3*d^2*g*j^3 + 3*a*b^3*c^4*e^3*f*j^2 - 3*a*b^2*c^5*e^3*f^2*j + 12 \\
& *a*b^2*c^5*d^3*f*j^2 - 9*a^2*b*c^5*d*e^3*k^2 + 3*a^2*b*c^5*e^2*g^3*h + 3*a* \\
& b^3*c^4*d*e^3*k^2 - 9*a^2*b*c^5*d^2*g*h^3 - 3*a^2*b^3*c^3*d*e*j^4 + 3*a^2*b \\
& *c^5*e*f^3*h^2 + 3*a*b^3*c^4*d^2*g*h^3 + 3*a^2*b^2*c^4*d*f*h^4 - 9*a^7*c*k^ \\
& 2*l^2*m^2 - 6*a^6*c^2*j^2*k^3*m - 3*a^6*b^2*h*l^2*m^3 + 3*a^5*b^3*h^2*l*m^3 \\
& - 6*a^6*c^2*g^2*k*m^3 - 6*a^6*c^2*h*k^3*l^2 + 6*a^5*c^3*h^3*j^2*m + 6*a^6*c \\
& ^2*g*k^2*l^3 - 6*a^6*c^2*f*k^3*m^2 - 6*a^5*c^3*h^2*j^3*l - 6*a^5*c^3*g^3*j \\
& *m^2 + 6*a^5*c^3*f^2*k^3*m + 3*a^5*b^3*g*k^2*m^3 - 3*a^4*b^4*g^2*k*m^3 + 12 \\
& *a^6*c^2*f*j^2*m^3 + 12*a^4*c^4*f^3*j^2*m + 3*a^5*b^3*e*l^2*m^3 + 3*a^3*b^5 \\
& *e^2*l*m^3 - 6*a^6*c^2*d*k^2*m^3 - 6*a^5*c^3*f^2*j*l^3 + 6*a^5*c^3*d^2*k*m^ \\
& 3 - 6*a^5*c^3*g*j^3*k^2 + 6*a^4*c^4*e^3*j*m^2 - 3*b^6*c^2*d^3*j^2*m - 3*a^4 \\
& *b^4*f*j^2*m^3 + 3*a^3*b^5*f^2*j*m^3 + 6*a^5*c^3*f*j^2*k^3 + 6*a^5*c^3*f*h^ \\
& 3*m^2 - 6*a^5*c^3*e*j^3*l^2 + 6*a^4*c^4*g^3*h^2*l - 6*a^4*c^4*f^2*h^3*m + 6 \\
& *a^4*c^4*e^2*j^3*l + 6*a^3*c^5*d^3*j^2*m - 3*a^4*b^4*d*k^2*m^3 - 3*a^2*b^6* \\
& d^2*k*m^3 + 6*a^5*c^3*e^2*h*m^3 - 6*a^4*c^4*g^2*h^3*k - 6*a^4*c^4*f^3*h*l^2 \\
& + 12*a^5*c^3*e*h^2*l^3 + 12*a^3*c^5*e^3*h^2*l - 3*b^6*c^2*d^3*h*l^2 + 3*b^ \\
& 5*c^3*d^3*h^2*l - 3*a^5*b^2*c*j^4*m^2 + 3*a^3*b^5*e*h^2*m^3 - 3*a^2*b^6*e^2 \\
& *h*m^3 + 6*a^5*c^3*d*g^2*m^3 - 6*a^4*c^4*e^2*h*k^3 - 6*a^4*c^4*f*h^3*j^2 + \\
& 6*a^4*c^4*e*g^3*l^2 + 6*a^3*c^5*f^3*g^2*k - 6*a^3*c^5*e^2*g^3*l + 6*a^3*c^5 \\
& *d^3*h*l^2 - 3*b^6*c^2*d^3*f*m^2 - 3*b^4*c^4*d^3*f^2*m + 6*a^4*c^4*d^2*g*l^ \\
& 3 + 6*a^4*c^4*e*h^2*j^3 - 6*a^4*c^4*d*h^3*k^2 - 6*a^3*c^5*f^2*g^3*j - 6*a^3 \\
& *c^5*e^3*g*k^2 + 6*a^3*c^5*d^3*f*m^2 + 6*a^3*c^5*d^2*h^3*k - 6*a^2*c^6*d^3* \\
& f^2*m + 4*a^5*b^2*c*h^3*m^3 + 3*b^5*c^3*d^3*g*k^2 - 3*b^4*c^4*d^3*g^2*k - 3 \\
& *a^2*b^6*d*g^2*m^3 + a^5*b*c^2*j^3*k^3 + 12*a^4*c^4*d*g^2*k^3 + 12*a^2*c^6* \\
& d^3*g^2*k + 6*a^5*b*c^2*h^3*l^3 + 5*a^5*b*c^2*g^3*m^3 - 5*a^4*b^3*c*g^3*m^3 \\
& + 3*b^5*c^3*d^3*e*l^2 + 3*b^3*c^5*d^3*e^2*l - 3*a^5*b^2*c*h^2*l^4 + a^4*b^ \\
& 3*c*h^3*l^3 + 12*a^5*b^2*c*f^2*m^4 - 6*a^3*c^5*d^2*g*j^3 + 6*a^3*c^5*d*f^3* \\
& k^2 + 6*a^3*b^4*c*f^3*m^3 + 6*a^2*c^6*e^3*f^2*j - 6*a^2*c^6*d^2*f^3*k - 3*b \\
& ^4*c^4*d^3*f*j^2 + 3*b^3*c^5*d^3*f^2*j - 3*a^2*b^2*c^4*f^5*m - 7*a^4*b*c^3* \\
& e^3*m^3 - 7*a^2*b^5*c*e^3*m^3 + 6*a^4*b*c^3*g^3*k^3 - 6*a^3*c^5*e*g^3*h^2 - \\
& 6*a^2*c^6*d^3*f*j^2 + 5*a^4*b*c^3*f^3*l^3 + a^4*b*c^3*h^3*j^3 + a^2*b^5*c* \\
& f^3*l^3 + 6*a^3*c^5*d*g^2*h^3 - 6*a^2*c^6*e^2*f^3*h - 3*a^3*b^4*c*e^2*l^4 - \\
& 3*a*b^4*c^3*e^4*l^2 - 7*a^3*b*c^4*d^3*l^3 - 7*a*b^5*c^2*d^3*l^3 + 6*a^3*b* \\
& c^4*f^3*j^3 + 5*a^3*b*c^4*e^3*k^3 + 3*b^3*c^5*d^3*e*h^2 - 3*b^2*c^6*d^3*e^2 \\
& *h + a*b^5*c^2*e^3*k^3 + 12*a*b^2*c^5*d^4*k^2 - 6*a^2*c^6*d*f^3*g^2 + 6*a*b \\
& ^4*c^3*d^3*k^3 - 3*a^4*b^2*c^2*d*k^5 + a^3*b*c^4*g^3*h^3 + 5*a^2*b*c^5*d^3* \\
& j^3 - 5*a*b^3*c^4*d^3*j^3 - 9*a*c^7*d^2*e^2*f^2 + 6*a^2*b*c^5*e^3*h^3 - 3*a \\
& *b^2*c^5*e^4*h^2 + a^2*b*c^5*f^3*g^3 + a*b^3*c^4*e^3*h^3 + 4*a*b^2*c^5*d^3* \\
& h^3 - 3*a*b^2*c^5*d^2*g^4 - 6*a^7*c*j*l^3*m^2 + 6*a^7*c*h*l^2*m^3 + 6*a^6*c \\
& ^2*j*k^4*l + 6*a^6*c^2*h*k^4*m - 6*a^5*c^3*h^4*k*m + 3*a^6*b^2*h*k*m^4 + 3* \\
& a^6*b^2*g*l*m^4 - 3*b^5*c^3*d^4*l*m - 6*a^6*c^2*g*j*l^4 - 6*a^6*c^2*f*k*l^4 \\
& - 6*a^6*c^2*d*l^4*m + 6*a^5*c^3*h*j^4*k + 6*a^5*c^3*g*j^4*l + 6*a^5*c^3*f* \\
& j^4*m - 6*a^4*c^4*g^4*j*l + 6*a^3*c^5*e^4*k*m + 6*a^5*b^3*f*j*m^4 - 6*a^4*c \\
& ^4*g^4*h*m + 3*b^7*c*d^3*j*m^2 - 3*a^5*b^3*e*k*m^4 - 3*a^5*b^3*d*l*m^4 + 3* \\
& b^4*c^4*d^4*j*l - 3*a^5*b^3*g*h*m^4 - 6*a^5*c^3*e*j*k^4 + 6*a^2*c^6*d^4*j*l \\
& + 3*b^4*c^4*d^4*h*m + 6*a^6*c^2*e*g*m^4 + 6*a^6*c^2*d*h*m^4 + 6*a^6*b*c*j^ \\
& 3*m^3 - 6*a^5*c^3*f*h*k^4 + 6*a^4*c^4*g*h^4*j + 6*a^4*c^4*f*h^4*k + 6*a^4*c \\
& ^4*e*h^4*l + 6*a^4*c^4*d*h^4*m - 6*a^3*c^5*f^4*h*k - 6*a^3*c^5*f^4*g*l + 6* \\
& a^2*c^6*d^4*h*m + 3*a^5*b*c^2*j^5*m + a^6*b*c*k^3*l^3 + 3*a^4*b^4*e*g*m^4 +
\end{aligned}$$

$$\begin{aligned}
& 3a^4b^4d^4h^4m^4 + 6b^3c^5d^4g^4k - 3b^3c^5d^4h^4j - 3b^3c^5d^4k^4f^4 - 3b^3c^5d^4e^4m + 3a^4b^7d^2g^4m^3 + 6a^5c^3d^4f^4l^4 - 6a^4c^4e^4g^4j^4 - 6a^4c^4d^4h^4j^4 + 6a^3c^5e^4g^4j + 6a^3c^5d^4g^4k - 6a^2c^6e^4g^4j - 6a^2c^6e^4f^4k - 6a^2c^6d^4e^4m + 3a^4b^3c^3h^5l + 6a^3c^5f^4g^4h - 3a^3b^5d^4e^4m + 3b^2c^6d^4e^4j + 3a^5b^3c^2g^4k^5 + 3a^3b^3c^4g^5k + 8a^4b^6c^3d^3m^3 + 3b^2c^6d^4f^4h - 3a^5b^2c^4e^4l^5 - 3a^4b^2c^5e^5l - 6a^3c^5d^4f^4h^4 + 6a^2c^6e^4f^4g + 6a^2c^6d^4f^4h + 3a^4b^3c^3f^4j^5 + 3a^2b^3c^5f^5j + 6a^3c^7d^3e^2h - 6a^3c^7d^2e^3g + 3a^3b^3c^4e^4h^5 + 6a^4b^3c^6d^3g^3 + 3a^2b^3c^5d^4g^5 + a^4b^3c^6e^3f^3 - 9a^6c^2j^2k^2l^2 - 9a^6c^2h^2k^2m^2 - 9a^6c^2g^2l^2m^2 - 18a^5c^3f^2j^2m^2 - 9a^5c^3h^2j^2k^2 - 9a^5c^3g^2j^2l^2 - 9a^5c^3f^2k^2l^2 - 9a^5c^3e^2k^2m^2 - 9a^5c^3d^2l^2m^2 - 9a^5c^3g^2h^2m^2 - 9a^4c^4e^2j^2k^2 - 9a^4c^4d^2j^2l^2 - 18a^4c^4e^2h^2l^2 - 9a^4c^4g^2h^2j^2 - 9a^4c^4f^2h^2k^2 - 9a^4c^4f^2g^2l^2 - 9a^4c^4e^2g^2m^2 - 9a^4c^4d^2h^2m^2 - 18a^3c^5d^2g^2k^2 - 9a^3c^5e^2g^2j^2 - 9a^3c^5e^2f^2k^2 - 9a^3c^5d^2h^2j^2 - 9a^3c^5d^2f^2l^2 - 9a^3c^5d^2e^2m^2 - 3a^4b^2c^2h^4l^2 - 18a^4b^2c^2f^3m^3 + 12a^3b^2c^3f^4m^2 - 9a^3c^5f^2g^2h^2 + 4a^4b^2c^2g^3l^3 - 3a^2b^4c^2f^4m^2 + 14a^3b^3c^2e^3m^3 - 5a^3b^3c^2f^3l^3 - 3a^4b^2c^2g^2k^4 - 3a^3b^2c^3g^4k^2 + a^3b^3c^2g^3k^3 - 20a^2b^4c^2d^3m^3 - 18a^3b^2c^3e^3l^3 + 16a^3b^2c^3d^3m^3 + 12a^4b^2c^2e^2l^4 + 12a^2b^2c^4e^4l^2 - 9a^2c^6d^2e^2j^2 + 6a^2b^4c^2e^3l^3 + 4a^3b^2c^3f^3k^3 + 14a^2b^3c^3d^3l^3 - 9a^2c^6e^2f^2g^2 - 9a^2c^6d^2f^2h^2 - 5a^2b^3c^3e^3k^3 - 3a^3b^2c^3f^2j^4 - 3a^2b^2c^4f^4j^2 + a^2b^3c^3f^3j^3 - 18a^2b^2c^4d^3k^3 + 12a^3b^2c^3d^2k^4 + 4a^2b^2c^4e^3j^3 - 3a^2b^4c^2d^2k^4 - 3a^2b^2c^4e^2h^4 + 6a^7c^4k^4m - 3a^7b^4k^4m^4 - 6a^7c^4h^4k^4m^4 - 6a^7c^4g^4l^4m^4 + 3a^6b^3c^4h^4l^5 - 6a^6c^7d^4e^4j - 6a^6c^7d^4f^4h - 3b^3c^7d^4e^4f + 6a^6c^7d^4e^4f + 3a^4b^3c^6e^5h - a^5b^2c^4j^3l^3 - a^3b^4c^4g^3l^3 - a^4b^4c^3e^3j^3 - a^4b^2c^5e^3g^3 + 3a^7b^3j^4m^5 + 6a^7c^4f^4m^5 + 6a^6c^7d^5k + 3b^3c^7d^5g - 3a^6c^2j^4m^2 - 3a^6b^2j^2m^4 + 2a^6c^2j^3l^3 + a^5b^3j^3m^3 - 2a^6c^2h^3m^3 - 3a^6c^2h^2l^4 - 3a^5c^3h^4l^2 - a^4b^6c^3e^3l^3 + 20a^5c^3f^3m^3 - 15a^6c^2f^2m^4 - 15a^4c^4f^4m^2 + 2a^5c^3h^3k^3 - 2a^5c^3g^3l^3 + a^3b^5g^3m^3 - 3a^5c^3g^2k^4 - 3a^4c^4g^4k^2 - 3a^4b^4f^2m^4 + 20a^4c^4e^3l^3 - 15a^5c^3e^2l^4 - 15a^3c^5e^4l^2 + 2a^4c^4g^3j^3 - 2a^4c^4f^3k^3 - 2a^4c^4d^3m^3 - 3b^4c^4d^4k^2 - 3a^4c^4f^2j^4 - 3a^3c^5f^4j^2 + 20a^3c^5d^3k^3 - 15a^4c^4d^2k^4 - 15a^2c^6d^4k^2 - 2a^3c^5e^3j^3 + b^5c^3d^3j^3 + 2a^3c^5f^3h^3 - 3a^3c^5e^2h^4 - 3a^2c^6e^4h^2 - 3b^2c^6d^4g^2 + 2a^2c^6e^3g^3 - 2a^2c^6d^3h^3 + b^3c^5d^3g^3 - 3a^2c^6d^2g^4 - a^4b^2c^2h^3k^3 - a^3b^2c^3g^3j^3 - a^2b^4c^2f^3k^3 - a^2b^2c^4f^3h^3 + 2a^7c^4k^3m^3 + a^7b^4l^3m^3 - 3a^7c^4j^2m^4 + 6a^3c^5f^5m - 3a^6b^2f^4m^5 + 6a^6c^2e^4l^5 + 6a^2c^6e^5l + b^7c^4d^3l^3 + a^4b^7e^3m^3 - 3b^2c^6d^5k + 6a^5c^3d^4k^5 - 3a^6c^7d^4g^2 + 2a^6c^7d^3f^3 + b^3c^7d^3e^3 - a^6b^2k^3m^3 - a^4b^4h^3m^3 - a^2b^6f^3m^3 - b^6c^2d^3k^3 - b^4c^4d^3h^3 - b^2c^6d^3f^3 - b^8d^3m^3 - a^6c^2k^6 - a^5c^3j^6 - a^4c^4h^6 - a^3c^5g^6 - a^2c^6f^6 - a^7c^4l^6 - a^6c^7e^6 - a^8m^6 - c^8d^6, z, k1) * (243a^5b^5c^6 + 3888a^3b^3c^8 - 1944a^2b^3c^7) / c^3 + (x * (81b^5c^6d - 1296a^3c^8g + 648a^2b^2c^7g - 648a^4b^3c^7d + 1296a^2b^3c^8d - 81a^4b^4c^6g)) / c^3 + (216a^2b^3c^7f^2 - 54a^4b^3c^6f^2 + 81a^4b^5c^4j^2 + 1512a^3b^3c^6j^2 + 81a^4b^7c^2m^2 - 648a^4b^3c^5m^2 - 702a^2b^3c^5j^2 - 702a^2b^5c^3m^2 + 1674a^3b^3c^4m^2 - 432a^2c^8d^4e + 27b^4c^6d^4e + 432a^3c^7g^4h + 432a^3c^7d^4l + 432a^3c^7e^4k - 864a^3c^7f^4j + 864a^4c^6j^4m - 432a^4c^6k^4l - 108a^4b^3c^6d^4h - 108a^4b^3c^6e^4g + 432a^2b^3c^7d^4h + 432a^2b^3c^7e^4g + 81a^4b^4c^5g^4h + 81a^4b^4c^5d^4l + 81a^4b^4c^5e^4k - 81a^4b^5c^4g^4l - 81a^4b^5c^4h^4k + 432a^3b^3c^6f^4m - 864a^3b^3c^6g^4l -
\end{aligned}$$

$$\begin{aligned}
& 864*a^3*b*c^6*h*k - 162*a*b^6*c^3*j*m + 81*a*b^6*c^3*k*1 - 432*a^2*b^2*c^6 \\
& *g*h - 432*a^2*b^2*c^6*d*1 - 432*a^2*b^2*c^6*e*k + 216*a^2*b^2*c^6*f*j - 10 \\
& 8*a^2*b^3*c^5*f*m + 540*a^2*b^3*c^5*g*1 + 540*a^2*b^3*c^5*h*k + 1404*a^2*b^ \\
& 4*c^4*j*m - 621*a^2*b^4*c^4*k*1 - 3240*a^3*b^2*c^5*j*m + 1296*a^3*b^2*c^5*k \\
& *1)/c^3 + (x*(216*a^2*c^8*e^2 + 27*b^4*c^6*e^2 - 216*a^3*c^7*h^2 + 216*a^4* \\
& c^6*1^2 - 162*a*b^2*c^7*e^2 + 54*a^2*b^2*c^6*h^2 + 27*a^2*b^4*c^4*1^2 - 162 \\
& *a^3*b^2*c^5*1^2 + 432*a^2*c^8*d*f + 54*b^4*c^6*d*f - 81*b^5*c^5*d*j - 432* \\
& a^3*c^7*d*m - 432*a^3*c^7*e*1 - 432*a^3*c^7*f*k + 864*a^3*c^7*g*j + 81*b^6* \\
& c^4*d*m + 432*a^4*c^6*k*m - 324*a*b^2*c^7*d*f - 54*a*b^3*c^6*e*h - 54*a*b^3 \\
& *c^6*f*g + 216*a^2*b*c^7*e*h + 216*a^2*b*c^7*f*g + 594*a*b^3*c^6*d*j - 1080 \\
& *a^2*b*c^7*d*j - 648*a*b^4*c^5*d*m + 81*a*b^4*c^5*g*j - 81*a*b^5*c^4*g*m - \\
& 1080*a^3*b*c^6*g*m + 216*a^3*b*c^6*h*1 + 216*a^3*b*c^6*j*k + 1404*a^2*b^2*c^ \\
& ^6*d*m + 108*a^2*b^2*c^6*e*1 + 108*a^2*b^2*c^6*f*k - 540*a^2*b^2*c^6*g*j + \\
& 594*a^2*b^3*c^5*g*m - 54*a^2*b^3*c^5*h*1 - 54*a^2*b^3*c^5*j*k + 54*a^2*b^4* \\
& c^4*k*m - 324*a^3*b^2*c^5*k*m))/c^3) + (36*a*c^8*d^3 + 9*a*b^8*m^3 - 9*b^2* \\
& c^7*d^3 + 72*a^2*c^7*f^3 + 36*a^3*c^6*h^3 - 36*a^4*c^5*k^3 - 72*a^5*c^4*m^3 \\
& - 18*a*b^2*c^6*f^3 - 9*a*b^3*c^5*g^3 + 36*a^2*b*c^6*g^3 + 9*a*b^4*c^4*h^3 \\
& - 108*a^2*c^7*d*g^2 - 9*a*b^5*c^3*j^3 - 288*a^3*b*c^5*j^3 + 9*a*b^6*c^2*k^3 \\
& - 108*a^2*c^7*e^2*h + 108*a^4*b*c^4*1^3 - 81*a^2*b^6*c*m^3 - 108*a^2*c^7*d \\
& ^2*k + 108*a^3*c^6*d*k^2 + 216*a^3*c^6*f*j^2 + 108*a^3*c^6*g^2*k - 216*a^3* \\
& c^6*f^2*m + 216*a^4*c^5*f*m^2 - 108*a^4*c^5*h*1^2 - 216*a^4*c^5*j^2*m - 45* \\
& a^2*b^2*c^5*h^3 + 108*a^2*b^3*c^4*j^3 - 63*a^2*b^4*c^3*k^3 + 117*a^3*b^2*c^ \\
& 4*k^3 + 72*a^2*b^5*c^2*1^3 - 171*a^3*b^3*c^3*1^3 + 180*a^3*b^4*c^2*m^3 + 18 \\
& *a^4*b^2*c^3*m^3 - 9*a*b^7*c*1^3 + 27*b^3*c^6*d*e*f + 216*a^2*c^7*d*e*j - 2 \\
& 7*b^4*c^5*d*e*j + 27*b^5*c^4*d*e*m - 27*a*b^7*c*j*m^2 + 216*a^3*c^6*e*h*1 - \\
& 216*a^3*c^6*g*h*j - 216*a^3*c^6*d*j*1 - 216*a^3*c^6*e*j*k + 216*a^4*c^5*j* \\
& k*1 + 27*a*b^2*c^6*d*g^2 + 27*a*b^2*c^6*e^2*h - 27*a*b^3*c^5*e*h^2 + 108*a^ \\
& 2*b*c^6*e*h^2 + 27*a*b^2*c^6*d^2*k + 27*a*b^4*c^4*d*k^2 + 54*a*b^3*c^5*f^2* \\
& j - 27*a*b^4*c^4*f*j^2 - 216*a^2*b*c^6*f^2*j - 27*a*b^3*c^5*e^2*1 - 27*a*b^ \\
& 5*c^3*e*1^2 + 108*a^2*b*c^6*e^2*1 - 216*a^3*b*c^5*e*1^2 + 27*a*b^4*c^4*g^2* \\
& k - 27*a*b^5*c^3*g*k^2 - 216*a^3*b*c^5*g*k^2 - 54*a*b^4*c^4*f^2*m - 27*a*b^ \\
& 6*c^2*f*m^2 - 27*a*b^5*c^3*h^2*1 + 27*a*b^6*c^2*h*1^2 - 216*a^3*b*c^5*h^2*1 \\
& + 27*a*b^6*c^2*j^2*m + 216*a^4*b*c^4*j*m^2 - 135*a^2*b^2*c^5*d*k^2 + 54*a^ \\
& 2*b^2*c^5*f*j^2 + 162*a^2*b^3*c^4*e*1^2 - 135*a^2*b^2*c^5*g^2*k + 162*a^2*b^ \\
& ^3*c^4*g*k^2 + 270*a^2*b^2*c^5*f^2*m + 162*a^2*b^4*c^3*f*m^2 - 270*a^3*b^2* \\
& c^4*f*m^2 + 162*a^2*b^3*c^4*h^2*1 - 189*a^2*b^4*c^3*h*1^2 + 351*a^3*b^2*c^4 \\
& *h*1^2 - 297*a^2*b^4*c^3*j^2*m + 270*a^2*b^5*c^2*j*m^2 + 810*a^3*b^2*c^4*j^ \\
& 2*m - 702*a^3*b^3*c^3*j*m^2 - 108*a*b*c^7*d*e*f + 27*a*b^7*c*k*1*m + 54*a*b \\
& ^2*c^6*d*e*j - 27*a*b^3*c^5*f*g*h + 108*a^2*b*c^6*f*g*h - 81*a*b^3*c^5*d*e* \\
& m - 27*a*b^3*c^5*d*f*1 - 54*a*b^3*c^5*d*g*k + 54*a*b^3*c^5*d*h*j - 27*a*b^3 \\
& *c^5*e*f*k + 54*a*b^3*c^5*e*g*j - 108*a^2*b*c^6*d*e*m + 108*a^2*b*c^6*d*f*1 \\
& + 216*a^2*b*c^6*d*g*k - 216*a^2*b*c^6*d*h*j + 108*a^2*b*c^6*e*f*k - 216*a^ \\
& 2*b*c^6*e*g*j - 54*a*b^4*c^4*d*h*m - 54*a*b^4*c^4*e*g*m + 54*a*b^4*c^4*e*h* \\
& 1 + 27*a*b^4*c^4*f*g*1 + 27*a*b^4*c^4*f*h*k - 27*a*b^4*c^4*g*h*j - 27*a*b^4 \\
& *c^4*d*j*1 - 27*a*b^4*c^4*e*j*k + 27*a*b^5*c^3*g*h*m + 108*a^3*b*c^5*g*h*m \\
& + 27*a*b^5*c^3*d*1*m + 27*a*b^5*c^3*e*k*m + 54*a*b^5*c^3*f*j*m - 27*a*b^5*c^ \\
& ^3*f*k*1 + 27*a*b^5*c^3*g*j*1 + 27*a*b^5*c^3*h*j*k + 108*a^3*b*c^5*d*1*m + \\
& 108*a^3*b*c^5*e*k*m - 108*a^3*b*c^5*f*k*1 + 432*a^3*b*c^5*g*j*1 + 432*a^3*b \\
& *c^5*h*j*k - 27*a*b^6*c^2*g*1*m - 27*a*b^6*c^2*h*k*m - 27*a*b^6*c^2*j*k*1 - \\
& 108*a^4*b*c^4*k*1*m + 216*a^2*b^2*c^5*d*h*m + 216*a^2*b^2*c^5*e*g*m - 270* \\
& a^2*b^2*c^5*e*h*1 - 108*a^2*b^2*c^5*f*g*1 - 108*a^2*b^2*c^5*f*h*k + 162*a^2 \\
& *b^2*c^5*g*h*j + 162*a^2*b^2*c^5*d*j*1 + 162*a^2*b^2*c^5*e*j*k - 135*a^2*b^ \\
& ^3*c^4*g*h*m - 135*a^2*b^3*c^4*d*1*m - 135*a^2*b^3*c^4*e*k*m - 216*a^2*b^3*c^ \\
& ^4*f*j*m + 135*a^2*b^3*c^4*f*k*1 - 216*a^2*b^3*c^4*g*j*1 - 216*a^2*b^3*c^4* \\
& h*j*k + 189*a^2*b^4*c^3*g*1*m + 189*a^2*b^4*c^3*h*k*m - 324*a^3*b^2*c^4*g*1 \\
& *m - 324*a^3*b^2*c^4*h*k*m + 243*a^2*b^4*c^3*j*k*1 - 594*a^3*b^2*c^4*j*k*1 \\
& - 216*a^2*b^5*c^2*k*1*m + 459*a^3*b^3*c^3*k*1*m)/c^3 + (x*(27*b^2*c^7*d^2*e \\
& - 108*a^2*c^7*e*g^2 + 27*b^3*c^6*e^2*f - 27*b^3*c^6*d^2*h - 108*a^2*c^7*e^ \\
& 2*j + 27*b^5*c^4*d*j^2 + 108*a^2*c^7*d^2*1 - 108*a^3*c^6*e*k^2 - 27*b^4*c^5
\end{aligned}$$

$$\begin{aligned}
& *e^2*j - 216*a^3*c^6*g*j^2 + 27*b^4*c^5*d^2*l + 108*a^3*c^6*h^2*j + 27*b^7*c^2*d*m^2 + 108*a^3*c^6*g^2*l + 27*b^5*c^4*e^2*m - 108*a^4*c^5*j^1^2 + 108*a^4*c^5*k^2*l - 108*a*c^8*d^2*e - 108*a*b*c^7*e^2*f + 108*a*b*c^7*d^2*h - 27*b^3*c^6*d*e*g + 216*a^2*c^7*e*f*h + 216*a^2*c^7*d*e*k - 216*a^2*c^7*d*f*j + 27*b^4*c^5*d*g*h + 27*b^4*c^5*d*e*k - 27*b^4*c^5*d*f*j + 27*b^5*c^4*d*f*m - 27*b^5*c^4*d*g*l - 27*b^5*c^4*d*h*k - 216*a^3*c^6*e*h*m - 216*a^3*c^6*f*h*l + 216*a^3*c^6*d*j*m - 216*a^3*c^6*d*k*l + 216*a^3*c^6*e*j*l + 216*a^3*c^6*f*j*k - 54*b^6*c^3*d*j*m + 27*b^6*c^3*d*k*l + 216*a^4*c^5*h^1*m - 216*a^4*c^5*j*k*m + 27*a*b^2*c^6*e*g^2 - 189*a*b^3*c^5*d*j^2 + 324*a^2*b*c^6*d*j^2 + 135*a*b^2*c^6*e^2*j - 27*a*b^3*c^5*g^2*h + 108*a^2*b*c^6*g^2*h - 135*a*b^2*c^6*d^2*l - 27*a*b^4*c^4*g*j^2 - 216*a*b^5*c^3*d*m^2 - 216*a^3*b*c^5*d*m^2 - 162*a*b^3*c^5*e^2*m + 216*a^2*b*c^6*e^2*m + 108*a^3*b*c^5*f^1^2 + 27*a*b^4*c^4*g^2*l + 108*a^3*b*c^5*h*k^2 - 27*a*b^6*c^2*g*m^2 - 108*a^3*b*c^5*h^2*m - 108*a^3*b*c^5*j^2*k + 216*a^4*b*c^4*k*m^2 + 27*a^2*b^2*c^5*e*k^2 + 162*a^2*b^2*c^5*g*j^2 + 486*a^2*b^3*c^4*d*m^2 - 27*a^2*b^2*c^5*h^2*j - 27*a^2*b^3*c^4*f^1^2 - 135*a^2*b^2*c^5*g^2*l - 27*a^2*b^3*c^4*h*k^2 + 189*a^2*b^4*c^3*g*m^2 - 324*a^3*b^2*c^4*g*m^2 + 27*a^2*b^3*c^4*h^2*m + 27*a^2*b^3*c^4*j^2*k + 27*a^3*b^2*c^4*j^1^2 + 27*a^2*b^4*c^3*k^2*l - 135*a^3*b^2*c^4*k^2*l + 27*a^2*b^5*c^2*k*m^2 - 162*a^3*b^3*c^3*k*m^2 + 108*a*b*c^7*d*e*g - 108*a*b^2*c^6*d*g*h - 54*a*b^2*c^6*e*f*h - 162*a*b^2*c^6*d*e*k + 162*a*b^2*c^6*d*f*j - 162*a*b^3*c^5*d*f*m + 135*a*b^3*c^5*d*g*l + 162*a*b^3*c^5*d*h*k - 27*a*b^3*c^5*e*g*k + 54*a*b^3*c^5*e*h*j + 27*a*b^3*c^5*f*g*j + 216*a^2*b*c^6*d*f*m - 108*a^2*b*c^6*d*g*l - 216*a^2*b*c^6*d*h*k + 108*a^2*b*c^6*e*g*k - 216*a^2*b*c^6*e*h*j - 108*a^2*b*c^6*f*g*j - 54*a*b^4*c^4*e*h*m - 27*a*b^4*c^4*f*g*m + 27*a*b^4*c^4*g*h*k + 405*a*b^4*c^4*d*j*m - 189*a*b^4*c^4*d*k*l + 54*a*b^5*c^3*g*j*m - 27*a*b^5*c^3*g*k*l - 216*a^3*b*c^5*e^1*m - 216*a^3*b*c^5*f*k*m + 540*a^3*b*c^5*g*j*m - 108*a^3*b*c^5*g*k*l + 270*a^2*b^2*c^5*e*h*m + 108*a^2*b^2*c^5*f*g*m + 54*a^2*b^2*c^5*f*h^1 - 108*a^2*b^2*c^5*g*h*k - 810*a^2*b^2*c^5*d*j*m + 378*a^2*b^2*c^5*d*k*l - 54*a^2*b^2*c^5*e*j^1 - 54*a^2*b^2*c^5*f*j*k + 54*a^2*b^3*c^4*e^1*m + 54*a^2*b^3*c^4*f*k*m - 351*a^2*b^3*c^4*g*j*m + 135*a^2*b^3*c^4*g*k*l - 54*a^3*b^2*c^4*h^1*m - 54*a^2*b^4*c^3*j*k*m + 270*a^3*b^2*c^4*j*k*m)/c^3) - (6*a^3*b^5*m^4 - 9*b*c^7*d^2*e^2 - 27*a^3*b*c^4*j^4 + 12*a^2*c^6*f*g^3 - 30*a^4*b^3*c*m^4 + 21*a^5*b*c^2*m^4 - 6*b^2*c^6*d^3*j + 24*a^2*c^6*f^3*j + 24*a^3*c^5*f*j^3 + 12*a^2*c^6*e^3*m + 12*a^3*c^5*h^3*j + 12*a^4*c^4*f^1^3 + 6*b^3*c^5*d^3*m - 12*a^3*c^5*g^3*m - 12*a^4*c^4*j*k^3 - 6*a^2*b^6*j*m^3 - 24*a^4*c^4*j^3*m - 24*a^5*c^3*j*m^3 - 12*a^5*c^3*l^3*m + 6*a^2*b^3*c^3*j^4 - 3*a*b*c^6*f^4 - 12*a*c^7*e^3*f + 6*b*c^7*d^3*f + 12*a*c^7*d^3*j + 6*a*b^7*f^3 + 36*a*c^7*d*e*f^2 + 6*a*b*c^6*e^3*j - 36*a*c^7*d^2*f*g - 18*a*b*c^6*d^3*m - 6*a*b^6*c*f^1^3 - 54*a^2*b^3*c^3*f^2*m^2 - 81*a^3*b^3*c^2*j^2*m^2 - 9*a*b*c^6*d^2*h^2 - 9*a*b*c^6*e^2*g^2 - 6*a*b^2*c^5*f*g^3 + 6*a*b^3*c^4*f*h^3 - 18*a^2*b*c^5*f*h^3 - 9*b^2*c^6*d*e*f^2 + 9*b^2*c^6*d*e^2*g - 6*a*b^4*c^3*f*j^3 + 9*b^2*c^6*d^2*e*h + 6*a*b^5*c^2*f*k^3 + 6*a^2*b*c^5*g^3*j + 36*a^2*c^6*d*e*j^2 + 36*a^2*c^6*e*f*h^2 + 30*a^3*b*c^4*f*k^3 - 6*a*b^2*c^5*e^3*m - 9*b^4*c^4*d*e*j^2 - 12*a^2*b*c^5*f^3*m - 42*a^2*b^5*c*f^3 - 36*a^2*c^6*d*g^2*j - 36*a^2*c^6*f^2*g*h - 60*a^4*b*c^3*f^3 - 9*b^3*c^5*d*e^2*k - 36*a^2*c^6*d*f^2*l - 36*a^2*c^6*e*f^2*k + 36*a^3*c^5*d*e*m^2 - 9*b^3*c^5*d^2*e^1 + 36*a^2*c^6*e^2*f^1 - 36*a^2*c^6*e^2*h^1 + 6*a^3*b*c^4*h^3*m - 36*a^3*c^5*e*f^1^2 - 9*b^6*c^2*d*e*m^2 + 6*a^2*b^5*c*j^1^3 + 36*a^2*c^6*d^2*g*m - 36*a^3*c^5*f*g*k^2 + 30*a^4*b*c^3*j^1^3 - 36*a^2*c^6*d^2*j*k + 18*a^3*b^4*c*j^3 + 36*a^3*c^5*d*j*k^2 - 36*a^3*c^5*g*h*j^2 - 36*a^3*c^5*d*j^2*l - 36*a^3*c^5*e*h^2*m - 36*a^3*c^5*e*j^2*k - 36*a^3*c^5*f*h^2*l - 18*a^4*b*c^3*k^3*m - 6*a^3*b^4*c^1^3*m + 36*a^3*c^5*g^2*j*k - 36*a^4*c^4*g*h^2*m - 72*a^3*c^5*f^2*j*m + 36*a^3*c^5*f^2*k^1 - 36*a^4*c^4*d^1*m^2 - 36*a^4*c^4*e*k^2*m^2 + 72*a^4*c^4*f*j^2*m - 36*a^3*c^5*e^2*l^1*m + 36*a^4*c^4*e^1^2*m - 36*a^4*c^4*h^1*j^1^2 + 36*a^4*c^4*g^2*k^2*m + 36*a^4*c^4*h^2*l^1*m + 36*a^4*c^4*j^2*k^1 + 36*a^5*c^3*k^1*m^2 - 9*a^2*b*c^5*g^2*h^2 + 9*a*b^3*c^4*f^2*j^2 - 9*a^2*b*c^5*d^2*l^2 - 9*a^2*b*c^5*e^2*k^2 - 54*a^2*b*c^5*f^2*j^2 + 24*a^2*b^2*c^4*f^2*j^3 - 30*a^2*b^3*c^3*f^2*k^3 - 6*a^2*b^2*c^4*h^3*j + 36*a^2*b^4*c^2*f^1^3 - 54*a^3*b^2*c^3*f^1^3 + 9*a*b^5*c^2
\end{aligned}$$

$$\begin{aligned}
& *f^2m^2 + 54a^3b^3c^4f^2m^2 - 9a^3b^3c^4g^2l^2 - 9a^3b^3c^4h^2k^2 \\
& + 84a^3b^3c^2f^3m^3 - 6a^2b^4c^2j^3k^3 + 24a^3b^2c^3j^3k^3 - 30a^3b^3c^2j^3l^3 - 18a^2b^4c^2j^3m^3 + 18a^2b^5c^2j^2m^2 + 84a^3b^2c^3j^3m^3 \\
& + 18a^4b^3c^3j^2m^2 - 9a^4b^3c^3k^2l^2 + 36a^4b^2c^2j^3m^3 + 6a^3b^3c^2k^3m^3 + 24a^4b^2c^2l^3m^3 - 45a^2b^2c^4d^2e^2m^2 + \\
& 9a^2b^2c^4d^2g^2l^2 + 72a^2b^2c^4e^2f^2l^2 + 9a^2b^2c^4e^2h^2k^2 + 72a^2b^2c^4f^2g^2k^2 - 18a^2b^2c^4d^2j^2k^2 + 9a^2b^2c^4g^2h^2j^2 - 36 \\
& a^2b^3c^3d^2h^2m^2 - 36a^2b^3c^3e^2g^2m^2 + 9a^2b^2c^4d^2j^2l^2 + 9a^2b^2c^4e^2j^2k^2 + 72a^2b^2c^4f^2h^2l^2 + 9a^2b^2c^4g^2h^2k^2 - 90a^2b^2c^3f^2h^2l^2 \\
& + 9a^2b^2c^4g^2h^2l^2 - 9a^2b^3c^3d^2k^2l^2 + 18a^2b^3c^3e^2j^2l^2 - 18a^2b^2c^4g^2j^2k^2 - 9a^2b^3c^3e^2k^2l^2 + 18a^2b^3c^3g^2j^2k^2 - 9a^2b^4c^2g^2h^2m^2 + 45a^3b^2c^3g^2h^2m^2 + 108a^2b^2c^4f^2j^2m^2 \\
& - 45a^2b^2c^4f^2k^2l^2 - 90a^2b^3c^3f^2j^2m^2 - 18a^2b^3c^3g^2j^2l^2 - 18a^2b^3c^3h^2j^2k^2 - 9a^2b^4c^2d^2l^2m^2 - 9a^2b^4c^2e^2k^2m^2 + 108a^2b^4c^2f^2j^2m^2 + 45a^3b^2c^3d^2l^2m^2 + 45a^3b^2c^3e^2k^2m^2 \\
& - 144a^3b^2c^3f^2j^2m^2 + 18a^2b^3c^3h^2j^2l^2 - 18a^2b^4c^2h^2j^2l^2 - 18a^3b^2c^3e^2l^2m^2 + 9a^3b^2c^3g^2k^2l^2 + 72a^3b^2c^3h^2j^2l^2 - 18a^3b^2c^3g^2k^2m^2 + 9a^3b^2c^3h^2k^2l^2 - 9a^3b^3c^2g^2l^2m^2 - 9a^3b^3c^2h^2k^2m^2 + 18a^2b^4c^2j^2k^2l^2 - 18a^3b^2c^3h^2l^2m^2 - 81a^3b^2c^3j^2k^2l^2 + 18a^3b^3c^2h^2l^2m^2 - 81a^4b^2c^2k^2l^2m^2 + 18a^3b^3c^2d^2f^2g^2 + 18a^3b^3c^2e^2f^2h^2 + 18a^3b^3c^2d^2e^2k^2 + 18a^3b^3c^2d^2e^2l^2 + 18a^3b^3c^2d^2f^2k^2 + 18a^3b^3c^2d^2g^2j^2 - 9b^3c^5d^2e^2g^2h^2 + 18b^3c^5d^2e^2f^2j^2 - 72a^2c^6d^2e^2f^2m^2 + 72a^2c^6d^2f^2g^2k^2 - 18b^4c^4d^2e^2f^2m^2 + 9b^4c^4d^2e^2g^2l^2 + 9b^4c^4d^2e^2h^2k^2 - 18a^3b^6c^2f^2j^2m^2 + 18b^5c^3d^2e^2j^2m^2 - 9b^5c^3d^2e^2k^2l^2 + 72a^3c^5f^2g^2h^2m^2 + 72a^3c^5d^2f^2l^2m^2 - 72a^3c^5d^2g^2k^2m^2 + 72a^3c^5e^2f^2k^2m^2 + 72a^3c^5e^2h^2j^2l^2 - 72a^4c^4f^2k^2l^2m^2 + 27a^3b^2c^5d^2e^2j^2 + 9a^3b^2c^5d^2g^2h^2 - 18a^3b^2c^5e^2f^2h^2 + 9a^3b^2c^5e^2g^2h^2 + 9a^3b^2c^5f^2g^2h^2 + 18a^3b^3c^4d^2f^2k^2 - 54a^2b^3c^5d^2f^2k^2 + 9a^3b^2c^5d^2f^2l^2 + 9a^3b^2c^5e^2f^2k^2 + 9a^3b^3c^4d^2h^2j^2 + 9a^3b^3c^4e^2g^2j^2 + 45a^3b^4c^3d^2e^2m^2 - 36a^2b^3c^5d^2h^2j^2 - 36a^2b^3c^5e^2g^2j^2 - 18a^3b^2c^5e^2f^2l^2 + 9a^3b^2c^5e^2g^2k^2 - 9a^3b^3c^4d^2h^2k^2 - 18a^3b^4c^3e^2f^2l^2 + 18a^2b^3c^5d^2h^2k^2 + 18a^2b^3c^5e^2h^2j^2 - 18a^3b^2c^5d^2g^2m^2 + 9a^3b^2c^5d^2h^2l^2 - 9a^3b^3c^4e^2g^2l^2 + 18a^3b^3c^4f^2g^2k^2 - 18a^3b^4c^3f^2g^2k^2 + 18a^2b^3c^5d^2g^2m^2 + 18a^2b^3c^5e^2g^2l^2 - 54a^2b^3c^5f^2g^2k^2 - 9a^3b^3c^4f^2g^2l^2 - 9a^3b^3c^4f^2h^2k^2 + 9a^3b^5c^2d^2h^2m^2 + 9a^3b^5c^2e^2g^2m^2 + 36a^2b^3c^5f^2g^2l^2 + 36a^2b^3c^5f^2h^2k^2 - 18a^3b^4c^3f^2h^2l^2 + 18a^3b^5c^2f^2h^2l^2 + 18a^2b^3c^5e^2h^2m^2 + 90a^3b^3c^4f^2h^2l^2 + 18a^2b^3c^5e^2j^2l^2 + 18a^3b^3c^4d^2k^2l^2 - 54a^3b^3c^4e^2j^2l^2 + 18a^2b^3c^5d^2k^2m^2 + 18a^3b^3c^4d^2k^2m^2 + 18a^3b^3c^4e^2k^2l^2 - 54a^3b^3c^4g^2j^2k^2 - 18a^3b^4c^3f^2j^2m^2 + 9a^3b^4c^3f^2k^2l^2 + 18a^3b^5c^2f^2j^2m^2 + 36a^3b^3c^4f^2j^2m^2 + 72a^3b^3c^4g^2j^2l^2 + 72a^3b^3c^4h^2j^2k^2 - 54a^3b^3c^4h^2j^2l^2 + 18a^3b^3c^4g^2k^2m^2 + 36a^4b^3c^3h^2k^2m^2 - 54a^4b^3c^3h^2l^2m^2 + 18a^3b^4c^3k^2l^2m^2 - 90a^2b^2c^4f^2g^2h^2m^2 - 90a^2b^2c^4d^2f^2l^2m^2 + 72a^2b^2c^4d^2h^2j^2m^2 - 18a^2b^2c^4d^2h^2k^2l^2 - 90a^2b^2c^4e^2f^2k^2m^2 + 72a^2b^2c^4e^2g^2j^2m^2 - 18a^2b^2c^4e^2g^2k^2l^2 - 36a^2b^2c^4e^2h^2j^2l^2 - 72a^2b^2c^4f^2g^2j^2l^2 - 72a^2b^2c^4f^2h^2j^2k^2 + 90a^2b^3c^3f^2g^2l^2m^2 + 90a^2b^3c^3f^2h^2k^2m^2 - 9a^2b^3c^3g^2h^2k^2l^2 + 90a^2b^3c^3f^2j^2k^2l^2 - 108a^2b^4c^2f^2k^2l^2m^2 + 18a^2b^4c^2g^2j^2l^2m^2 + 18a^2b^4c^2h^2j^2k^2m^2 + 162a^3b^2c^3f^2k^2l^2m^2 - 72a^3b^2c^3g^2j^2l^2m^2 - 72a^3b^2c^3h^2j^2k^2m^2 + 72a^3b^3c^2j^2k^2l^2m^2 - 72a^3b^3c^2d^2e^2f^2j^2 + 18a^3b^6c^2f^2k^2l^2m^2 + 90a^3b^2c^5d^2e^2f^2m^2 - 18a^3b^2c^5d^2e^2g^2l^2 - 18a^3b^2c^5d^2e^2h^2k^2 - 36a^3b^2c^5d^2f^2g^2k^2 - 9a^3b^3c^4d^2g^2h^2l^2 + 36a^3b^3c^4e^2f^2h^2l^2 - 9a^3b^3c^4e^2g^2h^2k^2 - 18a^3b^3c^4f^2g^2h^2j^2 - 108a^2b^3c^5e^2f^2h^2l^2 + 72a^2b^3c^5f^2g^2h^2j^2 - 72a^3b^3c^4d^2e^2j^2m^2 + 36a^3b^3c^4d^2e^2k^2l^2 - 18a^3b^3c^4d^2f^2j^2l^2 - 18a^3b^3c^4e^2f^2j^2k^2 - 36a^2b^3c^5d^2e^2k^2l^2 + 72a^2b^3c^5d^2f^2j^2l^2 + 36a^2b^3c^5d^2g^2j^2k^2 + 72a^2b^3c^5e^2f^2j^2k^2 + 18a^3b^4c^3f^2g^2h^2m^2 + 18a^3b^4c^3d^2f^2l^2m^2 - 18a^3b^4c^3d^2h^2k^2l^2 + 18a^3b^4c^3e^2f^2k^2m^2 - 18a^3b^4c^3e^2g^2j^2m^2 + 9a^3b^4c^3e^2g^2k^2l^2 + 18a^3b^4c^3f^2g^2j^2k^2
\end{aligned}$$

$$\begin{aligned}
& 1 + 18*a*b^4*c^3*f*h*j*k - 18*a*b^5*c^2*f*g*l*m - 18*a*b^5*c^2*f*h*k*m + 36 \\
& *a^3*b*c^4*e*h*l*m - 72*a^3*b*c^4*f*g*l*m - 72*a^3*b*c^4*f*h*k*m - 18*a*b^5 \\
& *c^2*f*j*k*l - 72*a^3*b*c^4*f*j*k*l - 18*a^2*b^5*c*j*k*l*m)/c^3 + (x*(6*c^8 \\
& *d^4 + 3*b^8*d*m^3 - 6*a^2*c^6*g^4 + 6*a^4*c^4*k^4 + 3*a*b^2*c^5*g^4 - 18*a \\
& *c^7*e^2*f^2 - 6*b^2*c^6*d*f^3 - 12*a^2*c^6*d*h^3 - 3*b^3*c^5*d*g^3 - 9*b^2 \\
& *c^6*e^3*g + 3*b^4*c^4*d*h^3 - 24*a^3*c^5*d*k^3 - 3*b^5*c^3*d*j^3 + 12*b^2*c \\
& ^6*d^3*k + 3*b^6*c^2*d*k^3 - 12*a^2*c^6*f^3*k + 24*a^3*c^5*g*j^3 - 12*a^4*c \\
& ^4*d*m^3 + 9*b^3*c^5*e^3*k + 12*a^3*c^5*h^3*k - 24*a^4*c^4*g*l^3 + 3*a^2*b \\
& ^6*k*m^3 + 12*a^5*c^3*k*m^3 + 9*b^2*c^6*d^2*g^2 + 9*b^2*c^6*e^2*f^2 + 3*a^2 \\
& *b^4*c^2*k^4 - 12*a^3*b^2*c^3*k^4 + 18*a^2*c^6*f^2*h^2 + 36*a^2*c^6*d^2*k^2 \\
& + 18*a^2*c^6*e^2*j^2 + 9*b^4*c^4*d^2*k^2 + 9*b^4*c^4*e^2*j^2 - 18*a^3*c^5* \\
& e^2*m^2 - 18*a^3*c^5*f^2*l^2 - 18*a^3*c^5*h^2*j^2 + 9*b^6*c^2*e^2*m^2 + 18* \\
& a^4*c^4*h^2*m^2 + 18*a^4*c^4*j^2*l^2 - 18*a^5*c^3*l^2*m^2 + 12*a*c^7*d*f^3 \\
& + 6*b*c^7*d*e^3 + 24*a*c^7*e^3*g - 12*b*c^7*d^3*g - 24*a*c^7*d^3*k - 3*b^7* \\
& c*d*l^3 - 3*a*b^7*g*m^3 + 6*a*b*c^6*f^3*g - 36*a*c^7*d*e^2*h - 30*a*b*c^6*e \\
& ^3*k - 24*a*b^6*c*d*m^3 + 36*a*c^7*d^2*e*j + 3*a*b^6*c*g*l^3 - 9*b^7*c*d*j* \\
& m^2 + 81*a^2*b^2*c^4*e^2*m^2 + 9*a^2*b^2*c^4*f^2*l^2 - 27*a^2*b^2*c^4*g^2*k \\
& ^2 + 9*a^2*b^2*c^4*h^2*j^2 + 9*a^2*b^4*c^2*h^2*m^2 - 36*a^3*b^2*c^3*h^2*m^2 \\
& + 9*a^4*b^2*c^2*l^2*m^2 - 12*a*b^2*c^5*d*h^3 + 24*a*b^3*c^4*d*j^3 - 42*a^2 \\
& *b*c^5*d*j^3 - 3*a*b^3*c^4*g*h^3 - 18*a*b^4*c^3*d*k^3 + 18*a^2*b*c^5*g*h^3 \\
& + 21*a*b^5*c^2*d*l^3 + 30*a^3*b*c^4*d*l^3 - 9*b^3*c^5*d*e*h^2 + 3*a*b^4*c^3 \\
& *g*j^3 - 9*a*b^3*c^4*g^3*k - 3*a*b^5*c^2*g*k^3 + 24*a^2*b*c^5*g^3*k + 36*a^ \\
& 2*c^6*d*f*j^2 + 12*a^3*b*c^4*g*k^3 - 9*b^2*c^6*d^2*e*j + 9*b^3*c^5*d*f^2*j \\
& + 9*b^3*c^5*e^2*g*h + 21*a^2*b^5*c*g*m^3 + 36*a^2*c^6*e*g^2*j - 6*a^4*b*c^3 \\
& *g*m^3 - 18*b^3*c^5*e^2*f*j - 9*b^5*c^3*d*e*l^2 - 36*a^2*c^6*d*f^2*m + 36*a \\
& ^2*c^6*e*f^2*l + 18*a^3*b*c^4*j^3*k + 36*a^3*c^5*d*f*m^2 + 9*b^3*c^5*d^2*e* \\
& m - 18*b^3*c^5*d^2*g*k + 9*b^3*c^5*d^2*h*j + 9*b^4*c^4*d*g^2*k - 9*b^5*c^3* \\
& d*g*k^2 + 36*a^2*c^6*e^2*f*m - 72*a^2*c^6*e^2*g*l + 36*a^2*c^6*e^2*h*k - 36 \\
& *a^3*c^5*d*h*l^2 + 72*a^3*c^5*e*g*l^2 - 9*b^4*c^4*d*f^2*m - 3*a^2*b^5*c*k*l \\
& ^3 - 6*a^4*b*c^3*k*l^3 + 18*b^4*c^4*e^2*f*m - 9*b^4*c^4*e^2*g*l - 9*b^4*c^4 \\
& *e^2*h*k - 9*b^5*c^3*d*h^2*l + 9*b^6*c^2*d*h*l^2 - 36*a^2*c^6*d^2*j*l - 18* \\
& a^3*b^4*c*k*m^3 + 36*a^3*c^5*e*j*k^2 - 9*b^4*c^4*d^2*h*m - 36*a^3*c^5*d*j^2 \\
& *m - 36*a^3*c^5*e*j^2*l - 36*a^3*c^5*f*h^2*m - 36*a^3*c^5*f*j^2*k - 9*b^4*c \\
& ^4*d^2*j*l + 9*b^6*c^2*d*j^2*m - 36*a^3*c^5*g^2*j*l - 18*b^5*c^3*e^2*j*m + \\
& 9*b^5*c^3*e^2*k*l + 36*a^3*c^5*f^2*k*m + 36*a^4*c^4*e*l*m^2 - 36*a^4*c^4*f* \\
& k*m^2 + 9*b^5*c^3*d^2*l*m + 36*a^4*c^4*f*l^2*m + 36*a^4*c^4*h*k*l^2 - 36*a^ \\
& 4*c^4*j*k^2*l + 36*a^4*c^4*j^2*k*m - 36*a*b^2*c^5*d^2*k^2 - 36*a*b^2*c^5*e^ \\
& 2*j^2 + 36*a^2*b^2*c^4*d*k^3 - 42*a^2*b^3*c^3*d*l^3 - 21*a^2*b^2*c^4*g*j^3 \\
& + 51*a^2*b^4*c^2*d*m^3 - 12*a^3*b^2*c^3*d*m^3 - 54*a*b^4*c^3*e^2*m^2 + 9*a* \\
& b^4*c^3*g^2*k^2 + 6*a^2*b^3*c^3*g*k^3 - 6*a^2*b^2*c^4*h^3*k - 18*a^2*b^4*c^ \\
& 2*g*l^3 + 27*a^3*b^2*c^3*g*l^3 - 33*a^3*b^3*c^2*g*m^3 - 3*a^2*b^3*c^3*j^3*k \\
& + 15*a^3*b^3*c^2*k*l^3 + 18*a^4*b^2*c^2*k*m^3 + 9*b^7*c*d*k*l*m - 18*a^2*b \\
& ^2*c^4*d*f*m^2 + 72*a^2*b^2*c^4*d*h*l^2 - 63*a^2*b^2*c^4*e*g*l^2 - 9*a^2*b^ \\
& 2*c^4*e*j*k^2 + 90*a^2*b^3*c^3*e*h*m^2 + 144*a^2*b^2*c^4*d*j^2*m + 18*a^2*b \\
& ^2*c^4*e*j^2*l + 18*a^2*b^2*c^4*f*h^2*m - 45*a^2*b^2*c^4*g*h^2*l - 153*a^2* \\
& b^3*c^3*d*j*m^2 + 45*a^2*b^3*c^3*g*h*l^2 + 36*a^2*b^2*c^4*g^2*h*m + 9*a^2*b \\
& ^3*c^3*e*k*l^2 + 45*a^2*b^2*c^4*g^2*j*l + 9*a^2*b^3*c^3*e*k^2*m + 9*a^2*b^3 \\
& *c^3*h*j*k^2 - 18*a^2*b^2*c^4*f^2*k*m + 63*a^2*b^3*c^3*g*j^2*m + 18*a^2*b^4 \\
& *c^2*e*l*m^2 - 63*a^2*b^4*c^2*g*j*m^2 - 72*a^3*b^2*c^3*e*l*m^2 + 99*a^3*b^2 \\
& *c^3*g*j*m^2 - 18*a^2*b^3*c^3*h^2*j*m + 9*a^2*b^4*c^2*h*k*l^2 - 54*a^3*b^2* \\
& c^3*h*k*l^2 - 45*a^2*b^3*c^3*g^2*l*m - 9*a^2*b^4*c^2*h*k^2*m + 36*a^3*b^2*c \\
& ^3*h*k^2*m - 9*a^2*b^4*c^2*j*k^2*l + 45*a^3*b^2*c^3*j*k^2*l - 18*a^3*b^3*c^ \\
& 2*h*l*m^2 + 9*a^2*b^4*c^2*j^2*k*m - 54*a^3*b^2*c^3*j^2*k*m + 54*a^3*b^3*c^2 \\
& *j*k*m^2 - 45*a^3*b^3*c^2*k^2*l*m + 54*a*b*c^6*d*e*h^2 - 18*a*b*c^6*e*f^2*h \\
& - 18*a*b*c^6*d*f^2*j - 18*a*b*c^6*e^2*g*h + 18*a*b*c^6*d*e^2*l + 54*a*b*c^ \\
& 6*e^2*f*j - 36*a*b*c^6*d^2*e*m + 36*a*b*c^6*d^2*g*k - 36*a*b*c^6*d^2*h*j + \\
& 9*b^3*c^5*d*e*g*j + 72*a^2*c^6*d*e*h*l - 72*a^2*c^6*e*f*h*j - 72*a^2*c^6*d* \\
& e*j*k - 9*b^4*c^4*d*e*g*m + 18*b^4*c^4*d*e*h*l - 9*b^4*c^4*d*g*h*j - 9*b^4*c \\
& ^4*d*e*j*k + 9*a*b^6*c*g*j*m^2 + 9*b^5*c^3*d*g*h*m + 9*b^5*c^3*d*e*k*m + 9
\end{aligned}$$

$$\begin{aligned}
& *b^5c^3d*gj*1 + 9*b^5c^3d*h*j*k - 72*a^3c^5*ef*1*m + 72*a^3c^5*eh* \\
& j*m - 72*a^3c^5*eh*k*1 + 72*a^3c^5*f*h*j*1 + 72*a^3c^5*d*j*k*1 - 9*b^6* \\
& c^2*d*g*1*m - 9*b^6*c^2*d*h*k*m - 9*b^6*c^2*d*j*k*1 - 72*a^4*c^4*h*j*1*m - \\
& 18*a*b^2*c^5*d*f*j^2 - 9*a*b^2*c^5*e*g*h^2 + 54*a*b^3*c^4*d*e*1^2 - 54*a^2* \\
& b*c^5*d*e*1^2 - 18*a*b^2*c^5*d*g^2*k - 9*a*b^2*c^5*e*g^2*j + 36*a*b^3*c^4*d \\
& *g*k^2 - 36*a^2*b*c^5*d*g*k^2 + 36*a*b^2*c^5*d*f^2*m - 9*a*b^2*c^5*f^2*g*j \\
& - 18*a*b^3*c^4*eh*j^2 + 54*a^2*b*c^5*eh*j^2 + 18*a^2*b*c^5*f*g*j^2 - 72*a \\
& *b^2*c^5*e^2*f*m + 45*a*b^2*c^5*e^2*g*1 + 18*a*b^2*c^5*e^2*h*k + 45*a*b^3*c \\
& ^4*d*h^2*1 + 18*a*b^3*c^4*eh^2*k - 54*a*b^4*c^3*d*h*1^2 + 9*a*b^4*c^3*e*g* \\
& 1^2 - 18*a^2*b*c^5*d*h^2*1 - 54*a^2*b*c^5*eh^2*k - 18*a^2*b*c^5*f*h^2*j + \\
& 36*a*b^2*c^5*d^2*h*m + 9*a*b^3*c^4*e*g^2*m + 9*a*b^3*c^4*g^2*h*j - 36*a^2*b \\
& *c^5*e*g^2*m - 36*a^2*b*c^5*g^2*h*j + 45*a*b^2*c^5*d^2*j*1 + 9*a*b^3*c^4*f^ \\
& 2*g*m - 18*a*b^5*c^2*eh*m^2 - 18*a^2*b*c^5*f^2*g*m - 18*a^2*b*c^5*f^2*h*1 \\
& - 90*a^3*b*c^4*eh*m^2 + 18*a^3*b*c^4*f*g*m^2 - 72*a*b^4*c^3*d*j^2*m + 9*a* \\
& b^4*c^3*g*h^2*1 + 72*a*b^5*c^2*d*j*m^2 - 9*a*b^5*c^2*g*h*1^2 + 18*a^2*b*c^5 \\
& *f^2*j*k + 54*a^3*b*c^4*d*j*m^2 - 18*a^3*b*c^4*g*h*1^2 + 90*a*b^3*c^4*e^2*j \\
& *m - 45*a*b^3*c^4*e^2*k*1 - 9*a*b^4*c^3*g^2*h*m - 90*a^2*b*c^5*e^2*j*m + 54 \\
& *a^2*b*c^5*e^2*k*1 - 18*a^3*b*c^4*ek*1^2 - 18*a^3*b*c^4*f*j*1^2 - 45*a*b^3 \\
& *c^4*d^2*1*m - 9*a*b^4*c^3*g^2*j*1 + 36*a^2*b*c^5*d^2*1*m - 36*a^3*b*c^4*ek \\
& k^2*m - 36*a^3*b*c^4*h*j*k^2 - 9*a*b^5*c^2*g*j^2*m - 90*a^3*b*c^4*g*j^2*m - \\
& 18*a^3*b*c^4*h*j^2*1 + 54*a^3*b*c^4*h^2*j*m + 18*a^3*b*c^4*h^2*k*1 + 9*a*b \\
& ^5*c^2*g^2*1*m + 36*a^3*b*c^4*g^2*1*m + 54*a^4*b*c^3*h*1*m^2 - 9*a^2*b^5*c* \\
& j*k*m^2 - 54*a^4*b*c^3*j*k*m^2 - 18*a^4*b*c^3*j*1^2*m + 9*a^2*b^5*c*k^2*1*m \\
& + 36*a^4*b*c^3*k^2*1*m - 36*a^2*b^2*c^4*d*g*1*m - 72*a^2*b^2*c^4*d*h*k*m + \\
& 36*a^2*b^2*c^4*ef*1*m + 36*a^2*b^2*c^4*eg*k*m - 144*a^2*b^2*c^4*eh*j*m \\
& + 72*a^2*b^2*c^4*eh*k*1 - 18*a^2*b^2*c^4*f*g*j*m + 36*a^2*b^2*c^4*g*h*j*k \\
& - 126*a^2*b^2*c^4*d*j*k*1 - 36*a^2*b^3*c^3*g*h*k*m + 126*a^2*b^3*c^3*d*k*1* \\
& m - 36*a^2*b^3*c^3*e*j*1*m - 45*a^2*b^3*c^3*g*j*k*1 + 45*a^2*b^4*c^2*g*k*1* \\
& m - 36*a^3*b^2*c^3*g*k*1*m + 36*a^3*b^2*c^3*h*j*1*m - 36*a*b*c^6*d*eg*j - \\
& 9*a*b^6*c*g*k*1*m + 36*a*b^2*c^5*d*eg*m - 108*a*b^2*c^5*d*eh*1 + 36*a*b^2 \\
& *c^5*d*g*h*j + 36*a*b^2*c^5*ef*h*j + 54*a*b^2*c^5*d*ej*k - 36*a*b^3*c^4*d \\
& *g*h*m - 36*a*b^3*c^4*ef*h*m + 108*a^2*b*c^5*ef*h*m + 36*a^2*b*c^5*eg*h* \\
& 1 - 54*a*b^3*c^4*d*ek*m + 18*a*b^3*c^4*d*f*j*m - 45*a*b^3*c^4*d*g*j*1 - 54 \\
& *a*b^3*c^4*d*h*j*k + 9*a*b^3*c^4*e*g*j*k + 72*a^2*b*c^5*d*ek*m - 36*a^2*b* \\
& c^5*d*f*j*m + 36*a^2*b*c^5*d*g*j*1 + 72*a^2*b*c^5*d*h*j*k - 36*a^2*b*c^5*ef \\
& *j*1 - 36*a^2*b*c^5*eg*j*k + 45*a*b^4*c^3*d*g*1*m + 54*a*b^4*c^3*d*h*k*m \\
& - 9*a*b^4*c^3*eg*k*m + 36*a*b^4*c^3*eh*j*m - 18*a*b^4*c^3*eh*k*1 - 9*a*b \\
& ^4*c^3*g*h*j*k + 63*a*b^4*c^3*d*j*k*1 + 9*a*b^5*c^2*g*h*k*m - 36*a^3*b*c^4* \\
& f*h*1*m - 63*a*b^5*c^2*d*k*1*m + 9*a*b^5*c^2*g*j*k*1 - 72*a^3*b*c^4*d*k*1*m \\
& + 108*a^3*b*c^4*ej*1*m + 36*a^3*b*c^4*f*j*k*m + 36*a^3*b*c^4*g*j*k*1))/c^ \\
& 3))*\text{root}(34992*a^4*b^2*c^8*z^6 - 8748*a^3*b^4*c^7*z^6 + 729*a^2*b^6*c^6*z^6 \\
& - 46656*a^5*c^9*z^6 + 34992*a^4*b^3*c^6*m*z^5 - 8748*a^3*b^5*c^5*m*z^5 + 7 \\
& 29*a^2*b^7*c^4*m*z^5 - 34992*a^4*b^2*c^7*j*z^5 + 8748*a^3*b^4*c^6*j*z^5 - 7 \\
& 29*a^2*b^6*c^5*j*z^5 - 46656*a^5*b*c^7*m*z^5 + 46656*a^5*c^8*j*z^5 + 34992* \\
& a^5*b*c^6*j*m*z^4 - 11664*a^5*b*c^6*k*1*z^4 + 3888*a^4*b*c^7*f*j*z^4 + 3888 \\
& *a^4*b*c^7*ek*z^4 + 3888*a^4*b*c^7*d*1*z^4 + 3888*a^4*b*c^7*g*h*z^4 + 3888 \\
& *a^3*b*c^8*d*ez^4 + 243*a*b^5*c^6*d*ez^4 - 25272*a^4*b^3*c^5*j*m*z^4 + 97 \\
& 20*a^4*b^3*c^5*k*1*z^4 + 6075*a^3*b^5*c^4*j*m*z^4 - 2673*a^3*b^5*c^4*k*1*z^ \\
& 4 - 486*a^2*b^7*c^3*j*m*z^4 + 243*a^2*b^7*c^3*k*1*z^4 - 7776*a^4*b^2*c^6*h* \\
& k*z^4 - 7776*a^4*b^2*c^6*g*1*z^4 - 7776*a^4*b^2*c^6*f*m*z^4 + 2430*a^3*b^4* \\
& c^5*h*k*z^4 + 2430*a^3*b^4*c^5*g*1*z^4 + 2430*a^3*b^4*c^5*f*m*z^4 - 243*a^2 \\
& *b^6*c^4*h*k*z^4 - 243*a^2*b^6*c^4*g*1*z^4 - 243*a^2*b^6*c^4*f*m*z^4 - 1944 \\
& *a^3*b^3*c^6*f*j*z^4 - 1944*a^3*b^3*c^6*ek*z^4 - 1944*a^3*b^3*c^6*d*1*z^4 \\
& + 243*a^2*b^5*c^5*f*j*z^4 + 243*a^2*b^5*c^5*ek*z^4 + 243*a^2*b^5*c^5*d*1*z \\
& ^4 - 1944*a^3*b^3*c^6*g*h*z^4 + 243*a^2*b^5*c^5*g*h*z^4 + 3888*a^3*b^2*c^7* \\
& eg*z^4 + 3888*a^3*b^2*c^7*d*h*z^4 - 486*a^2*b^4*c^6*eg*z^4 - 486*a^2*b^4* \\
& c^6*d*h*z^4 - 1944*a^2*b^3*c^7*d*ez^4 + 7776*a^5*c^7*h*k*z^4 + 7776*a^5*c^ \\
& 7*g*1*z^4 + 7776*a^5*c^7*f*m*z^4 - 7776*a^4*c^8*eg*z^4 - 7776*a^4*c^8*d*h* \\
& z^4 - 13608*a^5*b^2*c^5*m^2*z^4 + 11421*a^4*b^4*c^4*m^2*z^4 - 2916*a^3*b^6*
\end{aligned}$$

$$\begin{aligned}
& c^3 m^2 z^4 + 243 a^2 b^8 c^2 m^2 z^4 + 13608 a^4 b^2 c^6 j^2 z^4 - 3159 a^3 b^4 c^5 j^2 z^4 + 243 a^2 b^6 c^4 j^2 z^4 + 1944 a^3 b^2 c^7 f^2 z^4 - 24 \\
& 3 a^2 b^4 c^6 f^2 z^4 - 3888 a^6 c^6 m^2 z^4 - 19440 a^5 c^7 j^2 z^4 - 3888 a^4 c^8 f^2 z^4 + 3078 a^4 b^4 c^3 k^1 m z^3 - 2592 a^5 b^2 c^4 k^1 m z^3 \\
& - 891 a^3 b^6 c^2 k^1 m z^3 - 4536 a^4 b^3 c^4 j^* k^1 z^3 + 1053 a^3 b^5 c^3 j^* k^1 z^3 - 81 a^2 b^7 c^2 j^* k^1 z^3 - 2592 a^4 b^3 c^4 h^* k^1 m z^3 - 2592 a \\
& ^4 b^3 c^4 g^1 m z^3 + 810 a^3 b^5 c^3 h^* k^1 m z^3 + 810 a^3 b^5 c^3 g^1 m z^3 - 81 a^2 b^7 c^2 h^* k^1 m z^3 - 81 a^2 b^7 c^2 g^1 m z^3 + 7776 a^4 b^2 c^5 f \\
& j^* m z^3 + 3888 a^4 b^2 c^5 h^* j^* k^1 z^3 + 3888 a^4 b^2 c^5 g^1 j^* m z^3 - 3888 a^4 b^2 c^5 f^* k^1 z^3 - 2916 a^3 b^4 c^4 f^* j^* m z^3 + 1458 a^3 b^4 c^4 f^* k^1 \\
& z^3 - 972 a^3 b^4 c^4 h^* j^* k^1 z^3 - 972 a^3 b^4 c^4 g^1 j^* m z^3 - 486 a^3 b^4 c^4 e^* k^1 m z^3 - 486 a^3 b^4 c^4 d^1 m z^3 + 324 a^2 b^6 c^3 f^* j^* m z^3 - 162 \\
& a^2 b^6 c^3 f^* k^1 z^3 + 81 a^2 b^6 c^3 h^* j^* k^1 z^3 + 81 a^2 b^6 c^3 g^1 j^* m z^3 + 81 a^2 b^6 c^3 e^* k^1 m z^3 + 81 a^2 b^6 c^3 d^1 m z^3 - 486 a^3 b^4 c^4 g \\
& ^* h^* m z^3 + 81 a^2 b^6 c^3 g^* h^* m z^3 + 648 a^3 b^3 c^5 e^* j^* k^1 z^3 + 648 a^3 b^3 c^5 d^* j^* m z^3 - 81 a^2 b^5 c^4 e^* j^* k^1 z^3 - 81 a^2 b^5 c^4 d^* j^* m z^3 + 25 \\
& 92 a^3 b^3 c^5 e^* g^1 m z^3 + 2592 a^3 b^3 c^5 d^* h^* m z^3 - 1296 a^3 b^3 c^5 f^* h^* k^1 z^3 - 1296 a^3 b^3 c^5 f^* g^1 m z^3 - 1296 a^3 b^3 c^5 e^* h^* l^1 z^3 + 648 a^3 \\
& b^3 c^5 g^* h^* j^* z^3 - 324 a^2 b^5 c^4 e^* g^1 m z^3 - 324 a^2 b^5 c^4 d^* h^* m z^3 + 162 a^2 b^5 c^4 f^* h^* k^1 z^3 + 162 a^2 b^5 c^4 f^* g^1 m z^3 + 162 a^2 b^5 c^4 e \\
& ^* h^* l^1 z^3 - 81 a^2 b^5 c^4 g^* h^* j^* z^3 + 5184 a^3 b^2 c^6 d^* e^* m z^3 - 2592 a^3 b^2 c^6 e^* g^1 j^* z^3 - 2592 a^3 b^2 c^6 d^* h^* j^* z^3 - 2106 a^2 b^4 c^5 d^* e^* m z^3 \\
& + 1296 a^3 b^2 c^6 e^* f^* k^1 z^3 + 1296 a^3 b^2 c^6 d^* g^1 k^1 z^3 + 1296 a^3 b^2 c^6 d^* f^1 z^3 + 324 a^2 b^4 c^5 e^* g^1 j^* z^3 + 324 a^2 b^4 c^5 d^* h^* j^* z^3 - 162 \\
& a^2 b^4 c^5 e^* f^* k^1 z^3 - 162 a^2 b^4 c^5 d^* g^1 k^1 z^3 - 162 a^2 b^4 c^5 d^* f^1 z^3 + 1296 a^3 b^2 c^6 f^* g^* h^* z^3 - 162 a^2 b^4 c^5 f^* g^* h^* z^3 + 1944 a^2 b^3 \\
& c^6 d^* e^* j^* z^3 - 1296 a^2 b^2 c^7 d^* e^* f^1 z^3 + 81 a^2 b^8 c^* k^1 m z^3 + 6480 a^5 b^* c^5 j^* k^1 m z^3 + 2592 a^5 b^* c^5 h^* k^1 m z^3 + 2592 a^5 b^* c^5 g^1 m z^3 \\
& - 1296 a^4 b^* c^6 e^* j^* k^1 z^3 - 1296 a^4 b^* c^6 d^* j^1 m z^3 - 5184 a^4 b^* c^6 e^* g^1 m z^3 - 5184 a^4 b^* c^6 d^* h^* m z^3 + 2592 a^4 b^* c^6 f^* h^* k^1 z^3 + 2592 a^4 b^* c^6 \\
& f^* g^1 m z^3 + 2592 a^4 b^* c^6 e^* h^1 z^3 - 1296 a^4 b^* c^6 g^* h^* j^* z^3 + 243 a^* b^6 c^4 d^* e^* m z^3 - 3888 a^3 b^* c^7 d^* e^* j^* z^3 - 243 a^* b^5 c^5 d^* e^* j^* z^3 + 162 \\
& a^* b^4 c^6 d^* e^* f^1 z^3 - 2592 a^6 c^5 k^1 m z^3 - 5184 a^5 c^6 h^* j^* k^1 z^3 - 5184 a^5 c^6 g^1 j^1 m z^3 - 5184 a^5 c^6 f^* j^* m z^3 + 2592 a^5 c^6 f^* k^1 m z^3 + 25 \\
& 92 a^5 c^6 e^* k^1 m z^3 + 2592 a^5 c^6 d^1 m z^3 + 2592 a^5 c^6 g^* h^* m z^3 + 5184 a^4 c^7 e^* g^1 j^* z^3 + 5184 a^4 c^7 d^* h^* j^* z^3 - 2592 a^4 c^7 e^* f^* k^1 z^3 - 25 \\
& 92 a^4 c^7 d^* g^1 k^1 z^3 - 2592 a^4 c^7 d^* f^1 z^3 - 2592 a^4 c^7 d^* e^* m z^3 - 2592 a^4 c^7 f^* g^* h^* z^3 + 2592 a^3 c^8 d^* e^* f^1 z^3 + 6480 a^5 b^2 c^4 j^* m^2 z^3 \\
& + 6480 a^4 b^3 c^4 j^2 m z^3 - 5022 a^4 b^4 c^3 j^* m^2 z^3 - 1296 a^3 b^5 c^3 j^2 m z^3 + 1134 a^3 b^6 c^2 j^* m^2 z^3 + 81 a^2 b^7 c^2 j^2 m z^3 + 2592 a^4 b^3 c^4 h^* l^2 z^3 - 1944 a^4 b^2 c^5 h^2 l^1 z^3 - 810 a^3 b^5 c^3 h^* l^2 z^3 \\
& + 729 a^3 b^4 c^4 h^2 l^1 z^3 + 81 a^2 b^7 c^2 h^* l^2 z^3 - 81 a^2 b^6 c^3 h^2 l^1 z^3 - 5184 a^4 b^3 c^4 f^* m^2 z^3 + 1620 a^3 b^5 c^3 f^* m^2 z^3 + 1296 a^3 b^3 c^5 f^2 m z^3 - 162 a^2 b^7 c^2 f^* m^2 z^3 - 162 a^2 b^5 c^4 f^2 m z^3 \\
& - 1944 a^4 b^2 c^5 g^* k^2 z^3 + 729 a^3 b^4 c^4 g^* k^2 z^3 - 648 a^3 b^3 c^5 g^2 k^1 z^3 - 81 a^2 b^6 c^3 g^* k^2 z^3 + 81 a^2 b^5 c^4 g^2 k^1 z^3 - 1944 a^4 b^2 c^5 e^1 l^2 z^3 + 729 a^3 b^4 c^4 e^1 l^2 z^3 + 648 a^3 b^2 c^6 e^2 l^1 z^3 \\
& - 81 a^2 b^6 c^3 e^1 l^2 z^3 - 81 a^2 b^4 c^5 e^2 l^1 z^3 + 1296 a^3 b^3 c^5 f^* j^2 z^3 - 1296 a^3 b^2 c^6 f^2 j^* z^3 - 162 a^2 b^5 c^4 f^* j^2 z^3 + 162 a^2 b^4 c^5 f^2 j^* z^3 - 648 a^3 b^3 c^5 d^* k^2 z^3 + 81 a^2 b^5 c^4 d^* k^2 z^3 \\
& + 648 a^3 b^2 c^6 e^* h^2 z^3 - 81 a^2 b^4 c^5 e^* h^2 z^3 - 648 a^2 b^2 c^7 d^2 g^1 z^3 - 10368 a^5 b^* c^5 j^2 m z^3 - 81 a^2 b^8 c^* j^* m^2 z^3 - 2592 a^5 b^* c^5 h^* l^2 z^3 + 5184 a^5 b^* c^5 f^* m^2 z^3 - 2592 a^4 b^* c^6 f^2 m z^3 + 1296 a^4 b^* c^6 g^2 k^1 z^3 - 2592 a^4 b^* c^6 f^* j^2 z^3 + 1296 a^4 b^* c^6 d^* k^2 z^3 + 81 a^* b^4 c^6 d^2 g^1 z^3 + 2592 a^6 c^5 j^* m^2 z^3 + 1296 a^5 c^6 h^2 l^1 z^3 + 1296 a^5 c^6 g^* k^2 z^3 + 1296 a^5 c^6 e^1 l^2 z^3 - 1296 a^4 c^7 e^2 l^1 z^3 + 2592 a^4 c^7 f^2 j^* z^3 - 2592 a^6 b^* c^4 m^3 z^3 - 324 a^3 b^7 c^* m^3 z^3 - 27 a^2 b^8 c^* l^3 z^3 - 1296 a^4 c^7 e^* h^2 z^3 - 864 a^5 b^* c^5 k^3 z^3 + 1296 a^3 c^8 d^2 g^1 z^3 + 432 a^4 b^* c^6 h^3 z^3 + 27 a^* b^4 c^6 e^3 z^3 - 432 a^
\end{aligned}$$

$$\begin{aligned}
& 2*b*c^8*d^3*z^3 + 216*a*b^3*c^7*d^3*z^3 + 1134*a^4*b^5*c^2*m^3*z^3 - 432*a^5*b^3*c^3*m^3*z^3 + 1512*a^5*b^2*c^4*l^3*z^3 - 1107*a^4*b^4*c^3*l^3*z^3 + 2 \\
& 97*a^3*b^6*c^2*l^3*z^3 + 864*a^4*b^3*c^4*k^3*z^3 - 270*a^3*b^5*c^3*k^3*z^3 + 27*a^2*b^7*c^2*k^3*z^3 - 2592*a^4*b^2*c^5*j^3*z^3 + 486*a^3*b^4*c^4*j^3*z^3 \\
& - 27*a^2*b^6*c^3*j^3*z^3 - 216*a^3*b^3*c^5*h^3*z^3 + 27*a^2*b^5*c^4*h^3*z^3 + 216*a^3*b^2*c^6*g^3*z^3 - 27*a^2*b^4*c^5*g^3*z^3 - 216*a^2*b^2*c^7*e^3*z^3 \\
& - 432*a^6*c^5*l^3*z^3 + 27*a^2*b^9*m^3*z^3 + 4320*a^5*c^6*j^3*z^3 - 432*a^4*c^7*g^3*z^3 + 432*a^3*c^8*e^3*z^3 - 27*b^5*c^6*d^3*z^3 + 81*a^3*b^6*c*j*k*l*m*z^2 \\
& - 1296*a^5*b*c^4*h*j*k*m*z^2 - 1296*a^5*b*c^4*g*j*l*m*z^2 + 1296*a^5*b*c^4*f*k*l*m*z^2 - 81*a^2*b^7*c*f*k*l*m*z^2 + 2592*a^4*b*c^5*e*g*j*m*z^2 \\
& + 2592*a^4*b*c^5*d*h*j*m*z^2 - 1296*a^4*b*c^5*f*h*j*k*z^2 - 1296*a^4*b*c^5*f*g*j*l*z^2 - 1296*a^4*b*c^5*e*f*k*m*z^2 - 1296*a^4*b*c^5*d*f*l*m*z^2 \\
& - 648*a^4*b*c^5*e*h*j*l*z^2 - 648*a^4*b*c^5*e*g*k*l*z^2 - 648*a^4*b*c^5*d*h*k*l*z^2 - 648*a^4*b*c^5*d*g*k*m*z^2 - 1296*a^4*b*c^5*f*g*h*m*z^2 - 162*a \\
& *b^6*c^3*d*e*j*m*z^2 + 81*a*b^6*c^3*d*e*k*l*z^2 + 1296*a^3*b*c^6*d*e*f*m*z^2 - 648*a^3*b*c^6*d*f*g*k*z^2 - 648*a^3*b*c^6*d*e*h*k*z^2 - 648*a^3*b*c^6*d \\
& *e*g*l*z^2 - 81*a*b^5*c^4*d*e*h*k*z^2 - 81*a*b^5*c^4*d*e*g*l*z^2 + 81*a*b^5*c^4*d*e*f*m*z^2 - 81*a*b^4*c^5*d*e*f*j*z^2 + 81*a*b^4*c^5*d*e*g*h*z^2 + 64 \\
& 8*a^5*b^2*c^3*j*k*l*m*z^2 - 567*a^4*b^4*c^2*j*k*l*m*z^2 - 1944*a^4*b^3*c^3*f*k*l*m*z^2 + 729*a^3*b^5*c^2*f*k*l*m*z^2 + 648*a^4*b^3*c^3*h*j*k*m*z^2 + 6 \\
& 48*a^4*b^3*c^3*g*j*l*m*z^2 - 81*a^3*b^5*c^2*h*j*k*m*z^2 - 81*a^3*b^5*c^2*g*j*l*m*z^2 + 1944*a^4*b^2*c^4*f*j*k*l*z^2 - 729*a^3*b^4*c^3*f*j*k*l*z^2 + 64 \\
& 8*a^4*b^2*c^4*e*j*k*m*z^2 + 648*a^4*b^2*c^4*d*j*l*m*z^2 - 81*a^3*b^4*c^3*e*j*k*m*z^2 - 81*a^3*b^4*c^3*d*j*l*m*z^2 + 81*a^2*b^6*c^2*f*j*k*l*z^2 + 1296* \\
& a^4*b^2*c^4*f*h*k*m*z^2 + 1296*a^4*b^2*c^4*f*g*l*m*z^2 + 648*a^4*b^2*c^4*g*h*j*m*z^2 - 648*a^3*b^4*c^3*f*h*k*m*z^2 - 648*a^3*b^4*c^3*f*g*l*m*z^2 - 324 \\
& *a^4*b^2*c^4*g*h*k*l*z^2 - 324*a^4*b^2*c^4*e*h*l*m*z^2 + 81*a^3*b^4*c^3*g*h*k*l*z^2 - 81*a^3*b^4*c^3*g*h*j*m*z^2 + 81*a^2*b^6*c^2*f*h*k*m*z^2 + 81*a^2 \\
& *b^6*c^2*f*g*l*m*z^2 - 1296*a^3*b^3*c^4*e*g*j*m*z^2 - 1296*a^3*b^3*c^4*d*h*j*m*z^2 + 648*a^3*b^3*c^4*f*h*j*k*z^2 + 648*a^3*b^3*c^4*f*g*j*l*z^2 + 648*a \\
& ^3*b^3*c^4*e*f*k*m*z^2 + 648*a^3*b^3*c^4*d*f*l*m*z^2 + 486*a^3*b^3*c^4*e*g*k*l*z^2 + 486*a^3*b^3*c^4*d*h*k*l*z^2 + 162*a^3*b^3*c^4*e*h*j*l*z^2 + 162*a \\
& ^3*b^3*c^4*d*g*k*m*z^2 + 162*a^2*b^5*c^3*e*g*j*m*z^2 + 162*a^2*b^5*c^3*d*h*j*m*z^2 - 81*a^2*b^5*c^3*f*h*j*k*z^2 - 81*a^2*b^5*c^3*f*g*j*l*z^2 - 81*a^2* \\
& b^5*c^3*e*g*k*l*z^2 - 81*a^2*b^5*c^3*e*f*k*m*z^2 - 81*a^2*b^5*c^3*d*h*k*l*z^2 - 81*a^2*b^5*c^3*d*f*l*m*z^2 + 648*a^3*b^3*c^4*f*g*h*m*z^2 - 81*a^2*b^5* \\
& c^3*f*g*h*m*z^2 - 3240*a^3*b^2*c^5*d*e*j*m*z^2 + 1620*a^3*b^2*c^5*d*e*k*l*z^2 + 1377*a^2*b^4*c^4*d*e*j*m*z^2 - 648*a^3*b^2*c^5*e*f*j*k*z^2 - 648*a^3*b \\
& ^2*c^5*d*f*j*l*z^2 - 648*a^2*b^4*c^4*d*e*k*l*z^2 - 324*a^3*b^2*c^5*d*g*j*k*z^2 + 81*a^2*b^4*c^4*e*f*j*k*z^2 + 81*a^2*b^4*c^4*d*f*j*l*z^2 + 972*a^3*b^2 \\
& *c^5*e*f*h*l*z^2 - 648*a^3*b^2*c^5*f*g*h*j*z^2 - 324*a^3*b^2*c^5*e*g*h*k*z^2 - 324*a^3*b^2*c^5*d*g*h*l*z^2 - 162*a^2*b^4*c^4*e*f*h*l*z^2 + 81*a^2*b^4* \\
& c^4*f*g*h*j*z^2 + 81*a^2*b^4*c^4*e*g*h*k*z^2 + 81*a^2*b^4*c^4*d*g*h*l*z^2 - 648*a^2*b^3*c^5*d*e*f*m*z^2 + 486*a^2*b^3*c^5*d*e*h*k*z^2 + 486*a^2*b^3*c^5 \\
& *d*e*g*l*z^2 + 162*a^2*b^3*c^5*d*f*g*k*z^2 + 648*a^2*b^2*c^6*d*e*f*j*z^2 - 324*a^2*b^2*c^6*d*e*g*h*z^2 - 1296*a^6*b*c^3*k*l*m^2*z^2 - 81*a^4*b^5*c*k \\
& l*m^2*z^2 - 1296*a^5*b*c^4*j^2*k*l*z^2 - 324*a^5*b*c^4*h^2*l*m*z^2 + 324*a^5*b*c^4*h*k^2*l*z^2 - 324*a^5*b*c^4*g*k^2*m*z^2 + 972*a^5*b*c^4*h*j*l^2*z^2 \\
& + 324*a^5*b*c^4*g*k*l^2*z^2 - 324*a^5*b*c^4*e*l^2*m*z^2 - 324*a^4*b*c^5*e^2*l*m*z^2 - 1944*a^5*b*c^4*f*j*m^2*z^2 + 1296*a^5*b*c^4*e*k*m^2*z^2 + 1296* \\
& a^5*b*c^4*d*l*m^2*z^2 + 648*a^4*b*c^5*f^2*j*m*z^2 + 81*a^2*b^7*c*f*j*m^2*z^2 + 1296*a^5*b*c^4*g*h*m^2*z^2 - 324*a^4*b*c^5*g^2*j*k*z^2 + 324*a^4*b*c^5* \\
& g^2*h*l*z^2 + 972*a^4*b*c^5*f*h^2*l*z^2 + 324*a^4*b*c^5*g*h^2*k*z^2 - 324*a^4*b*c^5*e*h^2*m*z^2 - 324*a^4*b*c^5*d*j*k^2*z^2 - 324*a^3*b*c^6*d^2*j*k*z^2 \\
& + 972*a^4*b*c^5*f*g*k^2*z^2 + 972*a^3*b*c^6*d^2*g*m*z^2 + 324*a^4*b*c^5*e*h*k^2*z^2 + 324*a^3*b*c^6*d^2*h*l*z^2 + 81*a*b^5*c^4*d^2*g*m*z^2 + 972*a^4 \\
& *b*c^5*e*f*l^2*z^2 + 324*a^4*b*c^5*d*g*l^2*z^2 - 324*a^3*b*c^6*e^2*h*j*z^2 + 324*a^3*b*c^6*e^2*g*k*z^2 - 324*a^3*b*c^6*e^2*f*l*z^2 - 1296*a^4*b*c^5*d* \\
& e*m^2*z^2 + 81*a*b^7*c^2*d*e*m^2*z^2 - 324*a^3*b*c^6*d*g^2*j*z^2 - 81*a*b^4
\end{aligned}$$

$$\begin{aligned}
& *c^5*d^2*g*j*z^2 + 81*a*b^4*c^5*d^2*e*l*z^2 + 324*a^3*b*c^6*e*g^2*h*z^2 + 8 \\
& 1*a*b^4*c^5*d*e^2*k*z^2 + 1296*a^3*b*c^6*d*e*j^2*z^2 - 324*a^3*b*c^6*e*f*h^ \\
& 2*z^2 + 324*a^3*b*c^6*d*g*h^2*z^2 + 81*a*b^5*c^4*d*e*j^2*z^2 - 324*a^2*b*c^ \\
& 7*d^2*f*g*z^2 + 324*a^2*b*c^7*d^2*e*h*z^2 + 81*a*b^3*c^6*d^2*f*g*z^2 - 81*a \\
& *b^3*c^6*d^2*e*h*z^2 + 324*a^2*b*c^7*d*e^2*g*z^2 - 81*a*b^3*c^6*d*e^2*g*z^2 \\
& + 1296*a^6*c^4*j*k*l*m*z^2 - 1296*a^5*c^5*f*j*k*l*z^2 - 1296*a^5*c^5*e*j*k \\
& *m*z^2 - 1296*a^5*c^5*d*j*l*m*z^2 - 1296*a^5*c^5*g*h*j*m*z^2 + 1296*a^5*c^5 \\
& *e*h*l*m*z^2 + 1296*a^4*c^6*e*f*j*k*z^2 + 1296*a^4*c^6*d*g*j*k*z^2 + 1296*a \\
& ^4*c^6*d*f*j*l*z^2 - 1296*a^4*c^6*d*e*k*l*z^2 + 1296*a^4*c^6*d*e*j*m*z^2 + \\
& 1296*a^4*c^6*f*g*h*j*z^2 - 1296*a^4*c^6*e*f*h*l*z^2 - 1296*a^3*c^7*d*e*f*j* \\
& z^2 + 648*a^5*b^3*c^2*k*l*m^2*z^2 + 648*a^4*b^3*c^3*j^2*k*l*z^2 + 486*a^5*b \\
& ^2*c^3*h*l^2*m*z^2 - 81*a^4*b^4*c^2*h*l^2*m*z^2 + 81*a^4*b^3*c^3*h^2*l*m*z^ \\
& 2 - 81*a^3*b^5*c^2*j^2*k*l*z^2 - 162*a^4*b^2*c^4*g^2*k*m*z^2 - 81*a^4*b^3*c \\
& ^3*h*k^2*l*z^2 + 81*a^4*b^3*c^3*g*k^2*m*z^2 - 567*a^4*b^3*c^3*h*j*l^2*z^2 + \\
& 486*a^4*b^2*c^4*h^2*j*l*z^2 - 81*a^4*b^3*c^3*g*k*l^2*z^2 + 81*a^4*b^3*c^3* \\
& e*l^2*m*z^2 + 81*a^3*b^5*c^2*h*j*l^2*z^2 - 81*a^3*b^4*c^3*h^2*j*l*z^2 + 81* \\
& a^3*b^3*c^4*e^2*l*m*z^2 + 2430*a^4*b^3*c^3*f*j*m^2*z^2 - 2268*a^4*b^2*c^4*f \\
& *j^2*m*z^2 - 810*a^3*b^5*c^2*f*j*m^2*z^2 + 810*a^3*b^4*c^3*f*j^2*m*z^2 - 64 \\
& 8*a^4*b^3*c^3*e*k*m^2*z^2 - 648*a^4*b^3*c^3*d*l*m^2*z^2 - 648*a^4*b^2*c^4*h \\
& *j^2*k*z^2 - 648*a^4*b^2*c^4*g*j^2*l*z^2 - 162*a^3*b^3*c^4*f^2*j*m*z^2 + 81 \\
& *a^3*b^5*c^2*e*k*m^2*z^2 + 81*a^3*b^5*c^2*d*l*m^2*z^2 + 81*a^3*b^4*c^3*h*j^ \\
& 2*k*z^2 + 81*a^3*b^4*c^3*g*j^2*l*z^2 - 81*a^2*b^6*c^2*f*j^2*m*z^2 - 648*a^4 \\
& *b^3*c^3*g*h*m^2*z^2 + 486*a^4*b^2*c^4*g*j*k^2*z^2 - 486*a^4*b^2*c^4*e*k^2* \\
& l*z^2 + 486*a^3*b^2*c^5*d^2*k*m*z^2 - 162*a^4*b^2*c^4*d*k^2*m*z^2 + 81*a^3* \\
& b^5*c^2*g*h*m^2*z^2 - 81*a^3*b^4*c^3*g*j*k^2*z^2 + 81*a^3*b^4*c^3*e*k^2*l*z \\
& ^2 + 81*a^3*b^3*c^4*g^2*j*k*z^2 - 81*a^2*b^4*c^4*d^2*k*m*z^2 + 486*a^4*b^2* \\
& c^4*e*j*l^2*z^2 - 486*a^4*b^2*c^4*d*k*l^2*z^2 - 162*a^3*b^2*c^5*e^2*j*l*z^2 \\
& - 81*a^3*b^4*c^3*e*j*l^2*z^2 + 81*a^3*b^4*c^3*d*k*l^2*z^2 - 81*a^3*b^3*c^4 \\
& *g^2*h*l*z^2 - 1458*a^4*b^2*c^4*f*h*l^2*z^2 + 648*a^3*b^4*c^3*f*h*l^2*z^2 - \\
& 567*a^3*b^3*c^4*f*h^2*l*z^2 + 486*a^3*b^2*c^5*e^2*h*m*z^2 - 81*a^3*b^3*c^4 \\
& *g*h^2*k*z^2 + 81*a^3*b^3*c^4*e*h^2*m*z^2 - 81*a^2*b^6*c^2*f*h*l^2*z^2 + 81 \\
& *a^2*b^5*c^3*f*h^2*l*z^2 - 81*a^2*b^4*c^4*e^2*h*m*z^2 - 1296*a^4*b^2*c^4*e* \\
& g*m^2*z^2 - 1296*a^4*b^2*c^4*d*h*m^2*z^2 + 648*a^3*b^4*c^3*e*g*m^2*z^2 + 64 \\
& 8*a^3*b^4*c^3*d*h*m^2*z^2 + 81*a^3*b^3*c^4*d*j*k^2*z^2 - 81*a^2*b^6*c^2*e*g \\
& *m^2*z^2 - 81*a^2*b^6*c^2*d*h*m^2*z^2 + 81*a^2*b^3*c^5*d^2*j*k*z^2 - 567*a^ \\
& 3*b^3*c^4*f*g*k^2*z^2 - 567*a^2*b^3*c^5*d^2*g*m*z^2 + 486*a^3*b^2*c^5*f*g^2 \\
& *k*z^2 - 486*a^3*b^2*c^5*e*g^2*l*z^2 + 486*a^3*b^2*c^5*d*g^2*m*z^2 - 81*a^3 \\
& *b^3*c^4*e*h*k^2*z^2 + 81*a^2*b^5*c^3*f*g*k^2*z^2 - 81*a^2*b^4*c^4*f*g^2*k* \\
& z^2 + 81*a^2*b^4*c^4*e*g^2*l*z^2 - 81*a^2*b^4*c^4*d*g^2*m*z^2 - 81*a^2*b^3* \\
& c^5*d^2*h*l*z^2 - 567*a^3*b^3*c^4*e*f*l^2*z^2 - 486*a^3*b^2*c^5*d*h^2*k*z^2 \\
& - 162*a^3*b^2*c^5*e*h^2*j*z^2 - 81*a^3*b^3*c^4*d*g*l^2*z^2 + 81*a^2*b^5*c^ \\
& 3*e*f*l^2*z^2 + 81*a^2*b^4*c^4*d*h^2*k*z^2 + 81*a^2*b^3*c^5*e^2*h*j*z^2 - 8 \\
& 1*a^2*b^3*c^5*e^2*g*k*z^2 + 81*a^2*b^3*c^5*e^2*f*l*z^2 + 1944*a^3*b^3*c^4*d \\
& *e*m^2*z^2 - 729*a^2*b^5*c^3*d*e*m^2*z^2 + 648*a^3*b^2*c^5*e*g*j^2*z^2 + 64 \\
& 8*a^3*b^2*c^5*d*h*j^2*z^2 - 81*a^2*b^4*c^4*e*g*j^2*z^2 - 81*a^2*b^4*c^4*d*h \\
& *j^2*z^2 + 486*a^3*b^2*c^5*d*f*k^2*z^2 + 486*a^2*b^2*c^6*d^2*g*j*z^2 - 486* \\
& a^2*b^2*c^6*d^2*e*l*z^2 - 162*a^2*b^2*c^6*d^2*f*k*z^2 - 81*a^2*b^4*c^4*d*f* \\
& k^2*z^2 + 81*a^2*b^3*c^5*d*g^2*j*z^2 - 486*a^2*b^2*c^6*d*e^2*k*z^2 - 81*a^2 \\
& *b^3*c^5*e*g^2*h*z^2 - 648*a^2*b^3*c^5*d*e*j^2*z^2 - 162*a^2*b^2*c^6*e^2*f* \\
& h*z^2 + 81*a^2*b^3*c^5*e*f*h^2*z^2 - 81*a^2*b^3*c^5*d*g*h^2*z^2 - 162*a^2*b \\
& ^2*c^6*d*f*g^2*z^2 - 189*a^5*b^3*c^2*l^3*m*z^2 + 162*a^5*b^2*c^3*k^3*m*z^2 \\
& - 27*a^4*b^4*c^2*k^3*m*z^2 - 702*a^4*b^3*c^3*j^3*m*z^2 - 81*a^3*b^6*c^j^2*m \\
& ^2*z^2 + 81*a^3*b^5*c^2*j^3*m*z^2 - 54*a^5*b^3*c^2*j*m^3*z^2 - 486*a^5*b^2* \\
& c^3*j*l^3*z^2 + 216*a^4*b^4*c^2*j*l^3*z^2 - 189*a^4*b^3*c^3*j*k^3*z^2 - 54* \\
& a^4*b^2*c^4*h^3*m*z^2 + 27*a^3*b^5*c^2*j*k^3*z^2 + 27*a^3*b^3*c^4*g^3*m*z^2 \\
& - 810*a^4*b^4*c^2*f*m^3*z^2 + 540*a^5*b^2*c^3*f*m^3*z^2 - 324*a^3*b^2*c^5* \\
& f^3*m*z^2 + 54*a^2*b^4*c^4*f^3*m*z^2 + 675*a^4*b^3*c^3*f*l^3*z^2 - 243*a^3* \\
& b^5*c^2*f*l^3*z^2 - 189*a^2*b^3*c^5*e^3*m*z^2 + 27*a^3*b^3*c^4*h^3*j*z^2 - \\
& 486*a^4*b^2*c^4*f*k^3*z^2 - 486*a^2*b^2*c^6*d^3*m*z^2 + 216*a^3*b^4*c^3*f*k
\end{aligned}$$

$$\begin{aligned}
&^3z^2 - 54a^3b^2c^5g^3jz^2 - 27a^2b^6c^2fk^3z^2 - 270a^3b^3c^4fj^3z^2 - 54a^2b^3c^5f^3jz^2 + 27a^2b^5c^3fj^3z^2 + 162a^2b^2c^6e^3jz^2 + 162a^3b^2c^5fh^3z^2 - 27a^2b^4c^4fh^3z^2 \\
&+ 27a^2b^3c^5fg^3z^2 + 81ab^2c^7d^2e^2z^2 - 648a^6c^4h^1^2mz^2 + 648a^5c^5g^2k^2mz^2 - 648a^5c^5h^2j^1z^2 + 1296a^5c^5h^2j^2k^2z^2 + 1296a^5c^5g^2j^2l^2z^2 + 1296a^5c^5fj^2mz^2 - 648a^5c^5g^2jk^2z^2 + 648a^5c^5ek^2l^2z^2 + 648a^5c^5dk^2mz^2 - 648a^4c^6d^2k^2mz^2 - 648a^5c^5ej^1^2z^2 + 648a^5c^5dk^1^2z^2 + 648a^4c^6e^2j^1z^2 + 324a^6b^3c^1^3mz^2 + 27a^4b^5c^1^3mz^2 + 648a^5c^5fh^1^2z^2 - 648a^4c^6e^2h^2mz^2 + 1512a^5b^3c^4j^3mz^2 + 1080a^6b^3c^3jm^3z^2 - 162a^4b^5c^2jm^3z^2 - 648a^4c^6fg^2kz^2 + 648a^4c^6eg^2l^2z^2 - 648a^4c^6dg^2mz^2 - 27a^3b^6c^2j^1^3z^2 + 648a^4c^6eh^2jz^2 + 648a^4c^6dh^2kz^2 + 324a^5b^3c^4j^3k^3z^2 - 1296a^4c^6eg^2j^2z^2 - 1296a^4c^6dh^2j^2z^2 - 108a^4b^3c^5g^3mz^2 - 648a^4c^6dfk^2z^2 - 648a^3c^7d^2g^2jz^2 + 648a^3c^7d^2fk^2z^2 + 648a^3c^7d^2e^1z^2 + 270a^3b^6c^2fm^3z^2 + 648a^3c^7de^2kz^2 - 540a^5b^3c^4f^1^3z^2 + 324a^3b^3c^6e^3mz^2 - 108a^4b^3c^5h^3jz^2 + 27a^2b^7c^2f^1^3z^2 + 27ab^5c^4e^3mz^2 + 648a^3c^7e^2fhz^2 + 216ab^4c^5d^3mz^2 + 648a^4b^3c^5fj^3z^2 + 216a^3b^3c^6f^3jz^2 + 648a^3c^7d^2fg^2z^2 - 27ab^4c^5e^3jz^2 + 324a^2b^3c^7d^3jz^2 - 189ab^3c^6d^3jz^2 - 108a^3b^3c^6fg^3z^2 - 108a^2b^3c^7e^3fz^2 + 27ab^3c^6e^3fz^2 + 162ab^2c^7d^3fz^2 - 1134a^5b^2c^3j^2m^2z^2 + 648a^4b^4c^2j^2m^2z^2 + 81a^5b^2c^3k^2l^2z^2 + 162a^4b^2c^4f^2m^2z^2 + 81a^4b^2c^4h^2k^2z^2 + 81a^4b^2c^4g^2l^2z^2 + 162a^3b^2c^5f^2j^2z^2 + 81a^3b^2c^5e^2k^2z^2 + 81a^3b^2c^5d^2l^2z^2 + 81a^3b^2c^5g^2h^2z^2 + 81a^2b^2c^6e^2g^2z^2 + 81a^2b^2c^6d^2h^2z^2 - 216a^6c^4k^3mz^2 + 216a^6c^4j^1^3z^2 + 27a^3b^7j^3m^3z^2 + 216a^5c^5h^3mz^2 + 432a^6c^4fm^3z^2 + 432a^4c^6f^3mz^2 - 27b^6c^4d^3mz^2 - 27a^2b^8fm^3z^2 + 216a^5c^5fk^3z^2 + 216a^4c^6g^3jz^2 + 216a^3c^7d^3mz^2 + 216a^5b^4c^2m^4z^2 - 216a^3c^7e^3jz^2 + 27b^5c^5d^3jz^2 - 216a^4c^6fh^3z^2 - 27b^4c^6d^3fz^2 - 216a^2c^8d^3fz^2 - 648a^6c^4j^2m^2z^2 - 324a^6c^4k^2l^2z^2 - 648a^5c^5f^2m^2z^2 - 324a^5c^5h^2k^2z^2 - 324a^5c^5g^2l^2z^2 - 648a^4c^6f^2j^2z^2 - 324a^4c^6e^2k^2z^2 - 324a^4c^6d^2l^2z^2 - 405a^6b^2c^2m^4z^2 - 324a^4c^6g^2h^2z^2 - 324a^3c^7e^2g^2z^2 - 324a^3c^7d^2h^2z^2 + 243a^4b^2c^4j^4z^2 - 27a^3b^4c^3j^4z^2 - 324a^2c^8d^2e^2z^2 + 27a^2b^2c^6f^4z^2 - 108a^7c^3m^4z^2 - 27a^4b^6m^4z^2 - 540a^5c^5j^4z^2 - 108a^3c^7f^4z^2 - 216a^5b^3c^3fj^2k^1mz - 54a^3b^5c^2fj^2k^1mz + 27a^3b^5c^2g^2h^2k^1mz - 27a^2b^6c^2eg^2k^1mz - 27a^2b^6c^2dh^2k^1mz + 432a^4b^3c^4d^2g^2jk^1mz - 432a^4b^3c^4d^2ek^1mz + 216a^4b^3c^4e^2g^2jk^1mz + 216a^4b^3c^4e^2fh^2jk^1mz + 216a^4b^3c^4d^2h^2jk^1mz + 216a^4b^3c^4d^2fg^2jk^1mz - 27ab^6c^2d^2ek^1mz - 27ab^6c^2d^2eh^2k^1mz - 27ab^6c^2d^2eg^2l^1mz + 216a^3b^3c^5d^2eh^2jk^1mz + 216a^3b^3c^5d^2eg^2j^1mz - 216a^3b^3c^5d^2ef^2j^1mz + 27ab^5c^3d^2eh^2jk^1mz + 27ab^5c^3d^2eg^2h^2mz - 27ab^4c^4d^2eg^2h^2jz + 27ab^7c^2d^2ek^1mz + 270a^4b^3c^2f^2jk^1mz - 108a^4b^3c^2g^2h^2k^1mz - 216a^4b^2c^3fh^2jk^1mz - 216a^4b^2c^3fg^2j^1mz - 216a^4b^2c^3eg^2k^1mz - 216a^4b^2c^3d^2h^2k^1mz + 162a^3b^4c^2eg^2k^1mz + 162a^3b^4c^2d^2h^2k^1mz + 108a^4b^2c^3g^2h^2jk^1mz + 108a^4b^2c^3eh^2j^1mz + 54a^3b^4c^2fh^2jk^1mz + 54a^3b^4c^2fg^2j^1mz - 27a^3b^4c^2g^2h^2jk^1mz + 540a^3b^3c^3d^2ek^1mz - 216a^2b^5c^2d^2ek^1mz - 162a^3b^3c^3eg^2jk^1mz - 162a^3b^3c^3d^2h^2jk^1mz - 108a^3b^3c^3d^2g^2jk^1mz - 54a^3b^3c^3ef^2jk^1mz - 54a^3b^3c^3d^2f^2j^1mz + 27a^2b^5c^2eg^2jk^1mz + 27a^2b^5c^2d^2h^2jk^1mz - 108a^3b^3c^3eg^2h^2k^1mz - 108a^3b^3c^3d^2g^2h^2l^1mz - 54a^3b^3c^3f^2g^2h^2j^1mz + 27a^2b^5c^2eg^2h^2k^1mz + 27a^2b^5c^2d^2g^2h^2l^1mz - 540a^3b^2c^4d^2ek^1mz + 216a^2b^4c^3d^2ek^1mz - 216a^3b^2c^4d^2
\end{aligned}$$

$$\begin{aligned}
& *e*h*k*m*z - 216*a^3*b^2*c^4*d*e*g*l*m*z + 162*a^2*b^4*c^3*d*e*h*k*m*z + 16 \\
& 2*a^2*b^4*c^3*d*e*g*l*m*z + 108*a^3*b^2*c^4*e*g*h*j*k*z - 108*a^3*b^2*c^4*e \\
& *f*h*j*l*z + 108*a^3*b^2*c^4*d*g*h*j*l*z + 108*a^3*b^2*c^4*d*f*g*k*m*z - 27 \\
& *a^2*b^4*c^3*e*g*h*j*k*z - 27*a^2*b^4*c^3*d*g*h*j*l*z - 162*a^2*b^3*c^4*d*e \\
& *h*j*k*z - 162*a^2*b^3*c^4*d*e*g*j*l*z + 54*a^2*b^3*c^4*d*e*f*j*m*z - 108*a \\
& ^2*b^3*c^4*d*e*g*h*m*z + 108*a^2*b^2*c^5*d*e*g*h*j*z + 324*a^6*b*b*c^2*j*k*l* \\
& m^2*z - 81*a^5*b^3*c*j*k*l*m^2*z + 27*a^4*b^4*c*j^2*k*l*m*z - 27*a^4*b^4*c* \\
& h*k^2*l*m*z - 27*a^4*b^4*c*g*k*l^2*m*z + 216*a^5*b*c^3*h*j^2*k*m*z + 216*a^ \\
& 5*b*c^3*g*j^2*l*m*z + 54*a^4*b^4*c*f*k*l*m^2*z + 27*a^4*b^4*c*h*j*k*m^2*z + \\
& 27*a^4*b^4*c*g*j*l*m^2*z + 27*a^2*b^6*c*f^2*k*l*m*z + 216*a^5*b*c^3*e*k^2* \\
& l*m*z - 108*a^5*b*c^3*h*j*k^2*l*z + 27*a^3*b^5*c*e*k^2*l*m*z + 216*a^5*b*c^ \\
& 3*d*k*l^2*m*z + 216*a^4*b*c^4*e^2*j*l*m*z - 108*a^5*b*c^3*g*j*k*l^2*z + 27* \\
& a^3*b^5*c*d*k*l^2*m*z - 324*a^5*b*c^3*e*j*k*m^2*z - 324*a^5*b*c^3*d*j*l*m^2 \\
& *z - 216*a^5*b*c^3*f*h*l^2*m*z - 108*a^4*b*c^4*f^2*j*k*l*z - 27*a^3*b^5*c*e \\
& *j*k*m^2*z - 27*a^3*b^5*c*d*j*l*m^2*z - 324*a^5*b*c^3*g*h*j*m^2*z + 216*a^5 \\
& *b*c^3*f*h*k*m^2*z + 216*a^5*b*c^3*f*g*l*m^2*z + 216*a^5*b*c^3*e*h*l*m^2*z \\
& - 216*a^4*b*c^4*f^2*h*k*m*z - 216*a^4*b*c^4*f^2*g*l*m*z - 27*a^3*b^5*c*g*h* \\
& j*m^2*z + 216*a^4*b*c^4*e*g^2*l*m*z - 108*a^4*b*c^4*g^2*h*j*l*z - 216*a^4*b \\
& *c^4*f*h^2*j*l*z + 216*a^4*b*c^4*e*h^2*j*m*z + 216*a^4*b*c^4*d*h^2*k*m*z - \\
& 108*a^4*b*c^4*g*h^2*j*k*z - 432*a^4*b*c^4*e*g*j^2*m*z - 432*a^4*b*c^4*d*h*j \\
& ^2*m*z + 216*a^4*b*c^4*f*h*j^2*k*z + 216*a^4*b*c^4*f*g*j^2*l*z + 27*a^2*b^6 \\
& *c*e*g*j*m^2*z + 27*a^2*b^6*c*d*h*j*m^2*z - 432*a^3*b*c^5*d^2*g*j*m*z - 216 \\
& *a^4*b*c^4*f*g*j*k^2*z + 216*a^3*b*c^5*d^2*f*k*m*z + 216*a^3*b*c^5*d^2*e*l* \\
& m*z - 108*a^4*b*c^4*e*h*j*k^2*z - 108*a^4*b*c^4*d*g*k^2*l*z - 108*a^3*b*c^5 \\
& *d^2*h*j*l*z + 108*a^3*b*c^5*d^2*g*k*l*z - 54*a*b^5*c^3*d^2*g*j*m*z + 27*a* \\
& b^5*c^3*d^2*g*k*l*z + 27*a*b^5*c^3*d^2*e*l*m*z - 216*a^4*b*c^4*e*f*j*l^2*z \\
& + 216*a^3*b*c^5*d*e^2*k*m*z - 108*a^4*b*c^4*d*g*j*l^2*z - 108*a^3*b*c^5*e^2 \\
& *g*j*k*z + 27*a*b^5*c^3*d*e^2*k*m*z + 324*a^4*b*c^4*d*e*j*m^2*z + 216*a^3*b \\
& *c^5*e^2*f*h*m*z - 108*a^4*b*c^4*e*g*h*l^2*z + 108*a^3*b*c^5*e^2*g*h*l*z + \\
& 108*a^3*b*c^5*e*f^2*j*k*z + 108*a^3*b*c^5*d*f^2*j*l*z + 27*a*b^6*c^2*d*e*j^ \\
& 2*m*z - 216*a^3*b*c^5*e*f^2*h*l*z + 108*a^3*b*c^5*f^2*g*h*j*z - 27*a*b^4*c^ \\
& 4*d^2*e*j*l*z + 216*a^3*b*c^5*d*f*g^2*m*z - 108*a^3*b*c^5*e*g^2*h*j*z + 54* \\
& a*b^4*c^4*d^2*f*g*m*z - 27*a*b^4*c^4*d^2*g*h*k*z - 27*a*b^4*c^4*d^2*e*h*m*z \\
& - 27*a*b^4*c^4*d*e^2*j*k*z - 108*a^3*b*c^5*d*g*h^2*j*z + 54*a*b^4*c^4*d*e^ \\
& 2*h*l*z + 27*a*b^6*c^2*d*e*h*l^2*z - 27*a*b^5*c^3*d*e*h^2*l*z - 27*a*b^4*c^ \\
& 4*d*e^2*g*m*z - 27*a*b^4*c^4*d*e*f^2*m*z + 216*a^2*b*c^6*d^2*f*g*j*z - 108* \\
& a^3*b*c^5*d*e*g*k^2*z - 108*a^2*b*c^6*d^2*e*h*j*z + 108*a^2*b*c^6*d^2*e*g*k \\
& *z - 54*a*b^3*c^5*d^2*f*g*j*z - 27*a*b^5*c^3*d*e*g*k^2*z + 27*a*b^4*c^4*d*e \\
& *g^2*k*z + 27*a*b^3*c^5*d^2*e*h*j*z - 27*a*b^3*c^5*d^2*e*g*k*z - 108*a^2*b* \\
& c^6*d*e^2*g*j*z + 27*a*b^3*c^5*d*e^2*g*j*z - 108*a^2*b*c^6*d*e*f^2*j*z + 27 \\
& *a*b^3*c^5*d*e*f^2*j*z - 432*a^5*c^4*e*h*j*l*m*z + 432*a^4*c^5*d*e*j*k*l*z \\
& + 432*a^4*c^5*e*f*h*j*l*z - 432*a^4*c^5*d*f*g*k*m*z - 27*a*b^7*c*d*e*j*m^2* \\
& z - 54*a^5*b^2*c^2*j^2*k*l*m*z + 108*a^5*b^2*c^2*h*k^2*l*m*z + 108*a^5*b^2*c \\
& ^2*g*k*l^2*m*z - 54*a^5*b^2*c^2*h*j*l^2*m*z + 378*a^4*b^2*c^3*f^2*k*l*m*z \\
& - 270*a^5*b^2*c^2*f*k*l*m^2*z - 189*a^3*b^4*c^2*f^2*k*l*m*z - 108*a^5*b^2*c \\
& ^2*h*j*k*m^2*z - 108*a^5*b^2*c^2*g*j*l*m^2*z - 54*a^4*b^3*c^2*h*j^2*k*m*z - \\
& 54*a^4*b^3*c^2*g*j^2*l*m*z - 162*a^4*b^3*c^2*e*k^2*l*m*z + 54*a^4*b^2*c^3* \\
& g^2*j*k*m*z + 27*a^4*b^3*c^2*h*j*k^2*l*z - 162*a^4*b^3*c^2*d*k*l^2*m*z + 10 \\
& 8*a^4*b^2*c^3*g^2*h*l*m*z - 54*a^3*b^3*c^3*e^2*j*l*m*z + 27*a^4*b^3*c^2*g*j \\
& *k*l^2*z - 27*a^3*b^4*c^2*g^2*h*l*m*z - 270*a^4*b^2*c^3*f*j^2*k*l*z + 189*a \\
& ^4*b^3*c^2*e*j*k*m^2*z + 189*a^4*b^3*c^2*d*j*l*m^2*z - 162*a^4*b^2*c^3*e*j^ \\
& 2*k*m*z - 162*a^4*b^2*c^3*d*j^2*l*m*z + 135*a^3*b^3*c^3*f^2*j*k*l*z + 108*a \\
& ^4*b^2*c^3*g*h^2*k*m*z + 54*a^4*b^3*c^2*f*h*l^2*m*z - 54*a^4*b^2*c^3*f*h^2* \\
& l*m*z + 54*a^3*b^4*c^2*f*j^2*k*l*z - 27*a^3*b^4*c^2*g*h^2*k*m*z + 27*a^3*b^ \\
& 4*c^2*e*j^2*k*m*z + 27*a^3*b^4*c^2*d*j^2*l*m*z - 27*a^2*b^5*c^2*f^2*j*k*l*z \\
& - 270*a^3*b^2*c^4*d^2*j*k*m*z + 189*a^4*b^3*c^2*g*h*j*m^2*z - 162*a^4*b^2* \\
& c^3*g*h*j^2*m*z + 162*a^4*b^2*c^3*e*j*k^2*l*z + 162*a^3*b^3*c^3*f^2*h*k*m*z \\
& + 162*a^3*b^3*c^3*f^2*g*l*m*z - 54*a^4*b^3*c^2*f*h*k*m^2*z - 54*a^4*b^3*c^ \\
& 2*f*g*l*m^2*z - 54*a^4*b^3*c^2*e*h*l*m^2*z + 54*a^4*b^2*c^3*d*j*k^2*m*z + 5
\end{aligned}$$

$$\begin{aligned}
& 4a^2b^4c^3d^2jk^2m^2 + 27a^3b^4c^2g^2h^2j^2m^2 - 27a^3b^4c^2e^2j^2k^2l^2m^2 - 27a^2b^5c^2f^2h^2k^2m^2 - 27a^2b^5c^2f^2g^2l^2m^2 + 162a^4b^2c^3d^2jk^2l^2m^2 - 162a^3b^3c^3e^2g^2l^2m^2 + 108a^4b^2c^3e^2h^2k^2m^2 + 108a^3b^2c^4d^2h^2l^2m^2 - 54a^4b^2c^3f^2g^2k^2m^2 - 27a^3b^4c^2e^2h^2k^2m^2 - 27a^3b^4c^2d^2jk^2l^2m^2 + 27a^3b^3c^3g^2h^2j^2l^2m^2 + 27a^2b^5c^2e^2g^2l^2m^2 - 27a^2b^4c^3d^2h^2l^2m^2 + 270a^4b^2c^3f^2h^2j^2l^2m^2 - 270a^3b^2c^4e^2h^2j^2m^2 - 162a^4b^2c^3e^2h^2k^2l^2m^2 - 162a^3b^3c^3d^2h^2k^2m^2 + 162a^3b^2c^4e^2h^2k^2l^2m^2 + 108a^4b^2c^3d^2g^2l^2m^2 + 108a^3b^2c^4e^2g^2k^2m^2 - 54a^4b^2c^3e^2f^2l^2m^2 - 54a^3b^4c^2f^2h^2j^2l^2m^2 + 54a^3b^3c^3f^2h^2j^2l^2m^2 - 54a^3b^3c^3e^2h^2j^2m^2 + 54a^3b^2c^4e^2f^2l^2m^2 + 54a^2b^4c^3e^2h^2j^2m^2 + 27a^3b^4c^2e^2h^2k^2l^2m^2 - 27a^3b^4c^2d^2g^2l^2m^2 + 27a^3b^3c^3g^2h^2j^2k^2m^2 + 27a^2b^5c^2d^2h^2k^2m^2 - 27a^2b^4c^3e^2h^2k^2l^2m^2 - 27a^2b^4c^3e^2g^2k^2m^2 + 432a^4b^2c^3e^2g^2j^2m^2 + 432a^4b^2c^3d^2h^2j^2m^2 - 270a^4b^2c^3d^2g^2k^2m^2 - 216a^3b^4c^2e^2g^2j^2m^2 - 216a^3b^4c^2d^2h^2j^2m^2 + 216a^3b^3c^3e^2g^2j^2m^2 + 216a^3b^3c^3d^2h^2j^2m^2 - 162a^3b^2c^4e^2f^2k^2m^2 - 162a^3b^2c^4d^2f^2l^2m^2 - 108a^3b^2c^4f^2h^2j^2k^2m^2 - 108a^3b^2c^4f^2g^2j^2l^2m^2 + 54a^4b^2c^3e^2f^2k^2m^2 + 54a^4b^2c^3d^2f^2l^2m^2 + 54a^3b^4c^2d^2g^2k^2m^2 - 54a^3b^3c^3f^2h^2j^2k^2m^2 - 54a^3b^3c^3f^2g^2j^2l^2m^2 - 27a^2b^5c^2e^2g^2j^2m^2 - 27a^2b^5c^2d^2h^2j^2m^2 + 27a^2b^4c^3f^2h^2j^2k^2m^2 + 27a^2b^4c^3f^2g^2j^2l^2m^2 + 27a^2b^4c^3d^2f^2l^2m^2 + 324a^2b^3c^4d^2g^2j^2m^2 - 270a^3b^2c^4d^2g^2j^2m^2 - 162a^3b^2c^4f^2g^2h^2m^2 + 162a^3b^2c^4e^2g^2j^2l^2m^2 - 162a^2b^3c^4d^2e^2l^2m^2 - 135a^2b^3c^4d^2g^2k^2l^2m^2 + 108a^3b^2c^4d^2g^2k^2l^2m^2 + 54a^4b^2c^3f^2g^2h^2m^2 + 54a^3b^3c^3f^2g^2j^2k^2m^2 - 54a^3b^2c^4f^2g^2j^2k^2m^2 + 54a^2b^4c^3d^2g^2j^2m^2 - 54a^2b^3c^4d^2f^2k^2m^2 + 27a^3b^3c^3e^2h^2j^2k^2m^2 + 27a^3b^3c^3d^2g^2k^2l^2m^2 + 27a^2b^4c^3f^2g^2h^2m^2 - 27a^2b^4c^3e^2g^2j^2l^2m^2 - 27a^2b^4c^3d^2g^2k^2l^2m^2 + 27a^2b^3c^4d^2h^2j^2l^2m^2 + 162a^3b^2c^4d^2h^2j^2k^2m^2 - 162a^2b^3c^4d^2e^2k^2m^2 + 108a^3b^2c^4e^2g^2h^2m^2 + 54a^3b^3c^3e^2f^2j^2l^2m^2 + 27a^3b^3c^3d^2g^2j^2l^2m^2 - 27a^2b^4c^3e^2g^2h^2m^2 - 27a^2b^4c^3d^2h^2j^2k^2m^2 + 27a^2b^3c^4e^2g^2j^2k^2m^2 - 621a^3b^3c^3d^2e^2j^2m^2 + 594a^3b^2c^4d^2e^2j^2m^2 + 243a^2b^5c^2d^2e^2j^2m^2 - 243a^2b^4c^3d^2e^2j^2m^2 + 135a^3b^3c^3e^2g^2h^2l^2m^2 - 108a^3b^2c^4e^2g^2h^2l^2m^2 + 108a^3b^2c^4d^2g^2h^2m^2 + 54a^3b^2c^4e^2f^2j^2k^2m^2 + 54a^3b^2c^4e^2f^2h^2m^2 + 54a^3b^2c^4d^2g^2j^2k^2m^2 + 54a^3b^2c^4d^2f^2j^2l^2m^2 - 54a^2b^3c^4e^2f^2h^2m^2 - 27a^2b^5c^2e^2g^2h^2l^2m^2 + 27a^2b^4c^3e^2g^2h^2l^2m^2 - 27a^2b^4c^3d^2g^2h^2m^2 - 27a^2b^3c^4e^2g^2h^2l^2m^2 - 27a^2b^3c^4e^2f^2j^2k^2m^2 - 27a^2b^3c^4d^2f^2j^2l^2m^2 + 162a^2b^2c^5d^2e^2j^2l^2m^2 + 54a^3b^2c^4f^2g^2h^2j^2m^2 - 54a^3b^2c^4d^2f^2j^2k^2m^2 + 54a^2b^3c^4e^2f^2h^2l^2m^2 + 54a^2b^2c^5d^2f^2j^2k^2m^2 - 27a^2b^3c^4f^2g^2h^2j^2m^2 - 270a^2b^2c^5d^2f^2g^2m^2 - 162a^3b^2c^4d^2g^2h^2k^2m^2 + 162a^2b^2c^5d^2g^2h^2k^2m^2 + 162a^2b^2c^5d^2e^2j^2k^2m^2 + 108a^2b^2c^5d^2e^2h^2m^2 - 54a^2b^3c^4d^2f^2g^2m^2 + 27a^2b^4c^3d^2g^2h^2k^2m^2 + 27a^2b^3c^4e^2g^2h^2j^2m^2 + 270a^3b^2c^4d^2e^2h^2l^2m^2 - 270a^2b^2c^5d^2e^2h^2l^2m^2 - 162a^2b^4c^3d^2e^2h^2l^2m^2 + 108a^2b^3c^4d^2e^2h^2l^2m^2 + 108a^2b^2c^5d^2e^2g^2m^2 + 54a^2b^2c^5e^2f^2h^2j^2m^2 + 27a^2b^3c^4d^2g^2h^2j^2m^2 + 162a^2b^2c^5d^2e^2f^2m^2 - 54a^3b^2c^4d^2e^2f^2m^2 - 54a^2b^2c^5d^2f^2g^2k^2m^2 + 135a^2b^3c^4d^2e^2g^2k^2m^2 - 108a^2b^2c^5d^2e^2g^2k^2m^2 + 54a^2b^2c^5d^2f^2g^2j^2m^2 - 54a^2b^2c^5d^2e^2f^2j^2m^2 - 9a^5b^7c^d^e^1^3z - 36a^5b^c^7d^3e^g^z - 108a^6b^c^2k^2l^2m^2 + 27a^5b^3c^k^2l^2m^2 - 18a^5b^2c^2j^2k^3m^2 - 27a^4b^3c^2j^3k^2l^2m^2 - 108a^5b^c^3h^2k^2m^2 - 108a^5b^c^3g^2l^2m^2 + 108a^5b^c^3h^2k^2l^2m^2 + 108a^5b^c^3g^2k^2m^2 + 90a^5b^2c^2f^2l^3m^2 - 18a^5b^2c^2h^2k^2l^3z + 18a^4b^2c^3h^3k^2l^2m^2 + 18a^4b^2c^3h^3j^2m^2 - 108a^5b^c^3h^2j^2l^2m^2 + 18a^4b^3c^2f^2k^3m^2 - 18a^3b^3c^3g^3j^2m^2 - 9a^4b^3c^2g^2k^3l^2m^2 + 9a^3b^3c^3g^3k^2l^2m^2 + 252a^4b^2c^3f^2j^3m^2 + 216a^5b^c^3f^2j^2m^2 + 180a^3b^2c^4f^3j^2m^2 - 108a^4b^c^4e^2k^2m^2 - 108a^4b^c^4d^2l^2m^2 + 90a^5b^2c^4
\end{aligned}$$

$$\begin{aligned}
& 2 * e * k * m^3 * z + 90 * a^5 * b^2 * c^2 * d * l * m^3 * z - 90 * a^3 * b^2 * c^4 * f^3 * k * l * z + 54 * a^3 * \\
& b^5 * c * f * j^2 * m^2 * z - 54 * a^3 * b^4 * c^2 * f * j^3 * m * z + 36 * a^5 * b^2 * c^2 * f * j * m^3 * z + 3 \\
& 6 * a^4 * b^2 * c^3 * h * j^3 * k * z + 36 * a^4 * b^2 * c^3 * g * j^3 * l * z - 36 * a^2 * b^4 * c^3 * f^3 * j * m \\
& * z - 27 * a^2 * b^6 * c * f^2 * j * m^2 * z + 18 * a^2 * b^4 * c^3 * f^3 * k * l * z - 216 * a^4 * b * c^4 * d^ \\
& 2 * k * m^2 * z + 108 * a^5 * b * c^3 * d * k^2 * m^2 * z - 108 * a^4 * b^3 * c^2 * f * j * l^3 * z - 108 * a^4 \\
& * b * c^4 * g^2 * h^2 * m * z + 108 * a^2 * b^3 * c^4 * e^3 * j * m * z + 90 * a^5 * b^2 * c^2 * g * h * m^3 * z + \\
& 54 * a^4 * b^3 * c^2 * e * k * l^3 * z - 54 * a^2 * b^3 * c^4 * e^3 * k * l * z + 234 * a^2 * b^2 * c^5 * d^3 * \\
& j * m * z - 144 * a^2 * b^2 * c^5 * d^3 * k * l * z + 90 * a^4 * b^2 * c^3 * f * j * k^3 * z - 72 * a^4 * b^2 * c \\
& ^3 * d * k^3 * l * z + 27 * a^4 * b^3 * c^2 * g * h * l^3 * z - 27 * a^3 * b^3 * c^3 * g * h^3 * l * z - 18 * a^3 \\
& * b^4 * c^2 * f * j * k^3 * z + 9 * a^3 * b^4 * c^2 * d * k^3 * l * z + 216 * a^4 * b * c^4 * f^2 * h * l^2 * z - \\
& 216 * a^4 * b * c^4 * e^2 * h * m^2 * z + 108 * a^4 * b * c^4 * g^2 * h * k^2 * z - 18 * a^4 * b^2 * c^3 * g * h * \\
& k^3 * z + 18 * a^3 * b^2 * c^4 * g^3 * h * k * z + 18 * a^3 * b^2 * c^4 * f * g^3 * m * z + 9 * a^3 * b^4 * c^2 \\
& * g * h * k^3 * z - 9 * a^3 * b^3 * c^3 * e * j^3 * k * z - 9 * a^3 * b^3 * c^3 * d * j^3 * l * z - 144 * a^4 * b^ \\
& 3 * c^2 * e * g * m^3 * z - 144 * a^4 * b^3 * c^2 * d * h * m^3 * z - 108 * a^3 * b * c^5 * e^2 * g^2 * m * z + 1 \\
& 08 * a^3 * b * c^5 * d^2 * j^2 * k * z - 108 * a^3 * b * c^5 * d^2 * h^2 * m * z - 18 * a^2 * b^3 * c^4 * f^3 * h \\
& * k * z - 18 * a^2 * b^3 * c^4 * f^3 * g * l * z - 9 * a^3 * b^3 * c^3 * g * h * j^3 * z - 216 * a^4 * b * c^4 * d \\
& * g^2 * m^2 * z + 144 * a^4 * b^2 * c^3 * e * g * l^3 * z - 126 * a^3 * b^2 * c^4 * d * h^3 * l * z - 108 * a^ \\
& 4 * b * c^4 * d * h^2 * l^2 * z - 108 * a^3 * b * c^5 * f^2 * g^2 * k * z - 108 * a^3 * b * c^5 * e^2 * h^2 * k * z \\
& - 90 * a^2 * b^2 * c^5 * e^3 * f * m * z + 72 * a^2 * b^2 * c^5 * e^3 * g * l * z - 63 * a^3 * b^4 * c^2 * e * g \\
& * l^3 * z - 36 * a^3 * b^4 * c^2 * d * h * l^3 * z + 27 * a^2 * b^4 * c^3 * d * h^3 * l * z + 27 * a * b^6 * c^2 \\
& * d^2 * g * m^2 * z - 18 * a^4 * b^2 * c^3 * d * h * l^3 * z - 18 * a^3 * b^2 * c^4 * f * h^3 * j * z - 18 * a^3 \\
& * b^2 * c^4 * e * h^3 * k * z + 18 * a^2 * b^2 * c^5 * e^3 * h * k * z + 108 * a^3 * b * c^5 * e^2 * h * j^2 * z + \\
& 54 * a^3 * b^3 * c^3 * d * h * k^3 * z + 27 * a^3 * b^3 * c^3 * e * g * k^3 * z - 27 * a^2 * b^3 * c^4 * e * g^3 \\
& * k * z + 27 * a^2 * b^3 * c^4 * d * g^3 * l * z - 27 * a * b^4 * c^4 * d^2 * g^2 * l * z - 9 * a^2 * b^5 * c^2 * \\
& e * g * k^3 * z - 9 * a^2 * b^5 * c^2 * d * h * k^3 * z + 207 * a^3 * b^4 * c^2 * d * e * m^3 * z - 108 * a^2 * b \\
& * c^6 * d^2 * e^2 * m * z - 90 * a^4 * b^2 * c^3 * d * e * m^3 * z - 72 * a^3 * b^2 * c^4 * e * g * j^3 * z - 72 \\
& * a^3 * b^2 * c^4 * d * h * j^3 * z + 27 * a * b^3 * c^5 * d^2 * e^2 * m * z + 18 * a^2 * b^2 * c^5 * e * f^3 * k * \\
& z + 18 * a^2 * b^2 * c^5 * d * f^3 * l * z + 9 * a^2 * b^4 * c^3 * e * g * j^3 * z + 9 * a^2 * b^4 * c^3 * d * h * \\
& j^3 * z - 216 * a^3 * b * c^5 * d * e^2 * l^2 * z - 198 * a^3 * b^3 * c^3 * d * e * l^3 * z + 108 * a^3 * b * c \\
& ^5 * d * g^2 * j^2 * z - 108 * a^3 * b * c^5 * d * f^2 * k^2 * z + 72 * a^2 * b^5 * c^2 * d * e * l^3 * z - 27 * \\
& a * b^5 * c^3 * d * e^2 * l^2 * z + 27 * a * b^4 * c^4 * d^2 * g * j^2 * z + 18 * a^2 * b^2 * c^5 * f^3 * g * h * z \\
& + 144 * a^3 * b^2 * c^4 * d * e * k^3 * z - 63 * a^2 * b^4 * c^3 * d * e * k^3 * z + 27 * a * b^4 * c^4 * d^2 * \\
& e * k^2 * z - 9 * a^2 * b^3 * c^4 * e * g * h^3 * z - 108 * a^2 * b * c^6 * d^2 * g^2 * h * z + 81 * a^2 * b^3 * \\
& c^4 * d * e * j^3 * z + 27 * a * b^3 * c^5 * d^2 * g^2 * h * z - 27 * a * b^2 * c^6 * d^2 * e^2 * j * z - 18 * a^ \\
& 2 * b^2 * c^5 * d * g^3 * h * z + 108 * a^2 * b * c^6 * d * e^2 * h^2 * z - 27 * a * b^3 * c^5 * d * e^2 * h^2 * z \\
& + 27 * a * b^2 * c^6 * d^2 * f^2 * g * z - 18 * a^2 * b^2 * c^5 * d * e * h^3 * z - 216 * a^6 * c^3 * j^2 * k * l \\
& * m * z + 216 * a^6 * c^3 * h * j * l^2 * m * z + 216 * a^6 * c^3 * f * k * l * m^2 * z - 216 * a^5 * c^4 * f^2 * \\
& k * l * m * z - 216 * a^5 * c^4 * g^2 * j * k * m * z + 216 * a^5 * c^4 * f * j^2 * k * l * z + 216 * a^5 * c^4 * f \\
& * h^2 * l * m * z + 216 * a^5 * c^4 * e * j^2 * k * m * z + 216 * a^5 * c^4 * d * j^2 * l * m * z + 216 * a^5 * c^ \\
& 4 * g * h * j^2 * m * z - 216 * a^5 * c^4 * e * j * k^2 * l * z - 216 * a^5 * c^4 * d * j * k^2 * m * z + 216 * a^4 \\
& * c^5 * d^2 * j * k * m * z - 18 * a^6 * b^2 * c * k * l * m^3 * z + 216 * a^5 * c^4 * f * g * k^2 * m * z - 216 * a \\
& ^5 * c^4 * d * j * k * l^2 * z - 72 * a^6 * b * c^2 * j * l^3 * m * z + 18 * a^5 * b^3 * c * j * l^3 * m * z - 216 * \\
& a^5 * c^4 * f * h * j * l^2 * z + 216 * a^5 * c^4 * e * h * k * l^2 * z + 216 * a^5 * c^4 * e * f * l^2 * m * z - 2 \\
& 16 * a^4 * c^5 * e^2 * h * k * l * z + 216 * a^4 * c^5 * e^2 * h * j * m * z - 216 * a^4 * c^5 * e^2 * f * l * m * z \\
& - 216 * a^5 * c^4 * e * f * k * m^2 * z + 216 * a^5 * c^4 * d * g * k * m^2 * z - 216 * a^5 * c^4 * d * f * l * m^2 \\
& * z + 216 * a^4 * c^5 * e * f^2 * k * m * z + 216 * a^4 * c^5 * d * f^2 * l * m * z + 108 * a^5 * b * c^3 * j^3 * \\
& k * l * z - 216 * a^5 * c^4 * f * g * h * m^2 * z + 216 * a^4 * c^5 * f^2 * g * h * m * z + 216 * a^4 * c^5 * f * g \\
& ^2 * j * k * z - 216 * a^4 * c^5 * e * g^2 * j * l * z + 216 * a^4 * c^5 * d * g^2 * j * m * z - 72 * a^6 * b * c^2 \\
& * h * k * m^3 * z - 72 * a^6 * b * c^2 * g * l * m^3 * z + 54 * a^5 * b^3 * c * h * k * m^3 * z + 54 * a^5 * b^3 * c \\
& * g * l * m^3 * z - 216 * a^4 * c^5 * d * h^2 * j * k * z - 18 * a^4 * b^4 * c * f * l^3 * m * z + 9 * a^4 * b^4 * c \\
& * h * k * l^3 * z - 216 * a^4 * c^5 * e * f * j^2 * k * z - 216 * a^4 * c^5 * e * f * h^2 * m * z - 216 * a^4 * c^ \\
& 5 * d * g * j^2 * k * z - 216 * a^4 * c^5 * d * f * j^2 * l * z - 216 * a^4 * c^5 * d * e * j^2 * m * z - 72 * a^5 * \\
& b * c^3 * f * k^3 * m * z + 72 * a^4 * b * c^4 * g^3 * j * m * z + 36 * a^5 * b * c^3 * g * k^3 * l * z - 36 * a^4 * \\
& b * c^4 * g^3 * k * l * z - 216 * a^4 * c^5 * f * g * h * j^2 * z + 216 * a^4 * c^5 * d * f * j * k^2 * z - 216 * a \\
& ^3 * c^6 * d^2 * f * j * k * z - 216 * a^3 * c^6 * d^2 * e * j * l * z + 72 * a^4 * b^4 * c * f * j * m^3 * z - 63 * \\
& a^4 * b^4 * c * e * k * m^3 * z - 63 * a^4 * b^4 * c * d * l * m^3 * z + 216 * a^4 * c^5 * d * g * h * k^2 * z - 21 \\
& 6 * a^3 * c^6 * d^2 * g * h * k * z + 216 * a^3 * c^6 * d^2 * f * g * m * z - 216 * a^3 * c^6 * d * e^2 * j * k * z + \\
& 144 * a^5 * b * c^3 * f * j * l^3 * z - 144 * a^3 * b * c^5 * e^3 * j * m * z - 72 * a^5 * b * c^3 * e * k * l^3 * z \\
& + 72 * a^3 * b * c^5 * e^3 * k * l * z - 63 * a^4 * b^4 * c * g * h * m^3 * z + 18 * a^3 * b^5 * c * f * j * l^3 * z
\end{aligned}$$

$$\begin{aligned}
& - 18*a*b^5*c^3*e^3*j*m*z - 9*a^3*b^5*c*e*k^1^3*z + 9*a*b^5*c^3*e^3*k^1*z - \\
& 216*a^4*c^5*d*e*h^1^2*z - 216*a^3*c^6*e^2*f*h*j*z + 216*a^3*c^6*d*e^2*h^1* \\
& z - 126*a*b^4*c^4*d^3*j*m*z + 108*a^4*b*c^4*g*h^3^1*z + 63*a*b^4*c^4*d^3*k* \\
& l^1*z + 36*a^5*b*c^3*g*h^1^3*z - 9*a^3*b^5*c*g*h^1^3*z + 216*a^4*c^5*d*e*f*m^ \\
& 2*z + 216*a^3*c^6*d*f^2*g*k*z - 216*a^3*c^6*d*e*f^2*m*z + 36*a^4*b*c^4*e*j^ \\
& 3*k*z + 36*a^4*b*c^4*d*j^3^1*z - 216*a^3*c^6*d*f*g^2*j*z + 72*a^3*b^5*c*e*g \\
& *m^3*z + 72*a^3*b^5*c*d*h*m^3*z + 72*a^3*b*c^5*f^3*h*k*z + 72*a^3*b*c^5*f^3 \\
& *g^1*z + 36*a^4*b*c^4*g*h*j^3*z + 18*a*b^4*c^4*e^3*f*m*z + 9*a^2*b^6*c*e*g* \\
& l^3*z + 9*a^2*b^6*c*d*h^1^3*z - 9*a*b^4*c^4*e^3*h*k*z - 9*a*b^4*c^4*e^3*g^1 \\
& *z + 216*a^3*c^6*d*e*f*j^2*z - 144*a^2*b*c^6*d^3*f*m*z + 108*a^3*b*c^5*e*g^ \\
& 3*k*z - 108*a^3*b*c^5*d*g^3^1*z + 108*a*b^3*c^5*d^3*f*m*z - 72*a^4*b*c^4*d* \\
& h*k^3*z + 72*a^2*b*c^6*d^3*h*k*z - 54*a*b^3*c^5*d^3*h*k*z + 36*a^4*b*c^4*e* \\
& g*k^3*z - 36*a^2*b*c^6*d^3*g^1*z - 27*a*b^3*c^5*d^3*g^1*z - 81*a^2*b^6*c*d* \\
& e*m^3*z + 216*a^4*b*c^4*d*e^1^3*z + 72*a^2*b*c^6*e^3*f*j*z + 72*a^2*b*c^6*d \\
& *e^3^1*z - 18*a*b^3*c^5*e^3*f*j*z - 18*a*b^3*c^5*d*e^3^1*z - 90*a*b^2*c^6*d \\
& ^3*f*j*z + 72*a*b^2*c^6*d^3*e*k*z + 36*a^3*b*c^5*e*g*h^3*z - 36*a^2*b*c^6*e \\
& ^3*g*h*z + 9*a*b^6*c^2*d*e*k^3*z + 9*a*b^3*c^5*e^3*g*h*z - 180*a^3*b*c^5*d* \\
& e*j^3*z + 18*a*b^2*c^6*d^3*g*h*z - 9*a*b^5*c^3*d*e*j^3*z + 18*a*b^2*c^6*d*e \\
& ^3*h*z + 9*a*b^4*c^4*d*e*h^3*z + 36*a^2*b*c^6*d*e*g^3*z - 9*a*b^3*c^5*d*e*g \\
& ^3*z - 18*a*b^2*c^6*d*e*f^3*z + 27*a^5*b^2*c^2*h^2^1*m^2*z - 27*a^5*b^2*c^2 \\
& *j*k^2^1^2*z + 27*a^4*b^3*c^2*h^2*k^2*m*z + 27*a^4*b^3*c^2*g^2^1^2*m*z + 27 \\
& *a^5*b^2*c^2*g*k^2*m^2*z - 27*a^4*b^3*c^2*h^2*k^1^2*z - 27*a^4*b^3*c^2*g^2* \\
& k*m^2*z - 135*a^4*b^2*c^3*e^2^1*m^2*z + 27*a^5*b^2*c^2*e^1^2*m^2*z + 27*a^4 \\
& *b^3*c^2*h*j^2^1^2*z - 27*a^4*b^2*c^3*h^2*j^2^1*z + 27*a^3*b^4*c^2*e^2^1*m^ \\
& 2*z - 270*a^4*b^3*c^2*f*j^2*m^2*z - 270*a^4*b^2*c^3*f^2*j*m^2*z + 162*a^3*b \\
& ^4*c^2*f^2*j*m^2*z - 108*a^3*b^3*c^3*f^2*j^2*m*z - 27*a^4*b^2*c^3*h^2*j*k^2 \\
& *z - 27*a^4*b^2*c^3*g^2*j^1^2*z + 27*a^3*b^3*c^3*e^2*k^2*m*z + 27*a^3*b^3*c \\
& ^3*d^2^1^2*m*z + 27*a^2*b^5*c^2*f^2*j^2*m*z + 162*a^3*b^3*c^3*d^2*k*m^2*z - \\
& 27*a^4*b^3*c^2*d*k^2*m^2*z - 27*a^4*b^2*c^3*g*j^2*k^2*z + 27*a^3*b^3*c^3*g \\
& ^2*h^2*m*z - 27*a^2*b^5*c^2*d^2*k*m^2*z + 162*a^3*b^2*c^4*d^2*k^2^1*z - 108 \\
& *a^4*b^2*c^3*g*h^2^1^2*z - 27*a^4*b^2*c^3*e*j^2^1^2*z + 27*a^3*b^4*c^2*g*h^ \\
& 2^1^2*z + 27*a^3*b^2*c^4*e^2*j^2^1*z - 27*a^2*b^4*c^3*d^2*k^2^1*z - 162*a^3 \\
& *b^3*c^3*f^2*h^1^2*z + 162*a^3*b^3*c^3*e^2*h*m^2*z - 135*a^4*b^2*c^3*e*h^2* \\
& m^2*z + 135*a^3*b^2*c^4*f^2*h^2^1*z + 27*a^3*b^4*c^2*e*h^2*m^2*z - 27*a^3*b \\
& ^3*c^3*g^2*h*k^2*z - 27*a^3*b^2*c^4*e^2*j*k^2*z - 27*a^3*b^2*c^4*d^2*j^1^2* \\
& z + 27*a^2*b^5*c^2*f^2*h^1^2*z - 27*a^2*b^5*c^2*e^2*h*m^2*z - 27*a^2*b^4*c^ \\
& 3*f^2*h^2^1*z - 27*a^3*b^2*c^4*g^2*h^2*j*z + 27*a^2*b^3*c^4*e^2*g^2*m*z - 2 \\
& 7*a^2*b^3*c^4*d^2*j^2*k*z + 27*a^2*b^3*c^4*d^2*h^2*m*z + 351*a^3*b^2*c^4*d^ \\
& 2*g*m^2*z - 189*a^2*b^4*c^3*d^2*g*m^2*z + 162*a^3*b^3*c^3*d*g^2*m^2*z - 162 \\
& *a^3*b^2*c^4*e^2*g^1^2*z + 135*a^3*b^3*c^3*d*h^2^1^2*z + 135*a^3*b^2*c^4*f^ \\
& 2*g*k^2*z - 27*a^2*b^5*c^2*d*h^2^1^2*z - 27*a^2*b^5*c^2*d*g^2*m^2*z - 27*a^ \\
& 2*b^4*c^3*f^2*g*k^2*z + 27*a^2*b^4*c^3*e^2*g^1^2*z + 27*a^2*b^3*c^4*f^2*g^2 \\
& *k*z + 27*a^2*b^3*c^4*e^2*h^2*k*z + 135*a^3*b^2*c^4*e*f^2^1^2*z - 108*a^3*b \\
& ^2*c^4*e*g^2*k^2*z + 108*a^2*b^2*c^5*d^2*g^2^1*z + 27*a^3*b^2*c^4*e*h^2*j^2 \\
& *z + 27*a^2*b^4*c^3*e*g^2*k^2*z - 27*a^2*b^4*c^3*e*f^2^1^2*z - 27*a^2*b^3*c \\
& ^4*e^2*h*j^2*z - 27*a^2*b^2*c^5*e^2*f^2^1*z - 27*a^2*b^2*c^5*e^2*g^2*j*z - \\
& 27*a^2*b^2*c^5*d^2*h^2*j*z + 162*a^2*b^3*c^4*d*e^2^1^2*z - 135*a^2*b^2*c^5* \\
& d^2*g*j^2*z - 27*a^2*b^3*c^4*d*g^2*j^2*z + 27*a^2*b^3*c^4*d*f^2*k^2*z - 162 \\
& *a^2*b^2*c^5*d^2*e*k^2*z - 27*a^2*b^2*c^5*e*f^2*h^2*z - 72*a^7*c^2*k^1*m^3* \\
& z + 9*a^5*b^4*k^1*m^3*z + 72*a^6*c^3*j*k^3*m*z - 72*a^6*c^3*h*k^1^3*z - 72* \\
& a^6*c^3*f^1^3*m*z - 72*a^5*c^4*h^3*k^1*z - 72*a^5*c^4*h^3*j*m*z - 9*a^4*b^5 \\
& *h*k*m^3*z - 9*a^4*b^5*g^1*m^3*z - 144*a^6*c^3*f*j*m^3*z - 144*a^5*c^4*h*j^ \\
& 3*k*z - 144*a^5*c^4*g*j^3^1*z - 144*a^5*c^4*f*j^3*m*z - 144*a^4*c^5*f^3*j*m \\
& *z + 72*a^6*c^3*e*k*m^3*z + 72*a^6*c^3*d^1*m^3*z + 72*a^4*c^5*f^3*k^1*z + 7 \\
& 2*a^6*c^3*g*h*m^3*z + 18*b^6*c^3*d^3*j*m*z - 18*a^3*b^6*f*j*m^3*z - 9*b^6*c \\
& ^3*d^3*k^1*z + 9*a^3*b^6*e*k*m^3*z + 9*a^3*b^6*d^1*m^3*z + 144*a^5*c^4*d*k^ \\
& 3^1*z + 144*a^3*c^6*d^3*k^1*z - 72*a^5*c^4*f*j*k^3*z - 72*a^3*c^6*d^3*j*m*z \\
& + 9*a^3*b^6*g*h*m^3*z - 72*a^5*c^4*g*h*k^3*z - 72*a^4*c^5*g^3*h*k*z - 72*a \\
& ^4*c^5*f*g^3*m*z - 108*a^5*b*c^3*j^4*m*z + 63*a^6*b^2*c*j*m^4*z + 36*a^6*b*
\end{aligned}$$

$$\begin{aligned}
& c^2k^1l^4z - 9a^5b^3c^*k^1l^4z - 144a^5c^4*eg^1l^3z - 144a^3c^6e^3 \\
& *g^1l^3z + 72a^5c^4*d^*h^1l^3z + 72a^4c^5*f^*h^3j^z + 72a^4c^5*e^*h^3k^z \\
& + 72a^4c^5*d^*h^3l^z + 72a^3c^6e^3*h^k^z + 72a^3c^6e^3*f^*m^z - 18* \\
& b^5c^4*d^3*f^*m^z + 9b^5c^4*d^3*h^k^z + 9b^5c^4*d^3*g^1l^z - 9a^2b^7e \\
& *g^m^3z - 9a^2b^7d^*h^m^3z + 144a^4c^5*eg^j^3z + 144a^4c^5*d^*h^j^ \\
& 3z - 72a^5c^4*d^*e^m^3z - 72a^3c^6e^*f^3k^z - 72a^3c^6*d^*f^3l^z + \\
& 144a^6b^c^2*f^*m^4z - 108a^5b^3c^*f^*m^4z - 72a^3c^6*f^3g^*h^z + 36a \\
& ^5b^c^3*h^k^4z - 36a^3b^c^5*f^4m^z + 18b^4c^5*d^3*f^*j^z - 9b^4c^5* \\
& d^3*e^k^z + 9a^4b^4c^*g^1l^4z - 144a^4c^5*d^*e^k^3z - 144a^2c^7d^3e \\
& *k^z + 72a^2c^7d^3*f^*j^z - 9b^4c^5*d^3g^*h^z + 72a^3c^6*d^*g^3h^z + \\
& 72a^2c^7d^3g^*h^z - 72a^5b^c^3*d^1l^4z - 72a^4b^c^4*f^*j^4z + 45a*b \\
& ^2c^6d^4l^z - 36a^2b^c^6e^4k^z - 9a^3b^5c^*d^1l^4z + 9a*b^3c^5e \\
& ^4k^z - 72a^3c^6*d^*e^h^3z - 72a^2c^7d^*e^3h^z + 9b^3c^6*d^3e^*g^z \\
& + 72a^2c^7d^*e^*f^3z + 36a^3b^c^5*d^*h^4z - 9a*b^2c^6e^4g^z + 36a* \\
& b^c^7d^3f^2z + 90a^5b^2c^2*j^3m^2z + 45a^5b^2c^2*j^2l^3z + 9a \\
& ^4b^3c^2*j^2k^3z - 9a^4b^3c^2*h^3m^2z - 45a^4b^2c^3g^3m^2z + \\
& 9a^3b^4c^2g^3m^2z + 198a^4b^3c^2f^2m^3z - 108a^3b^3c^3f^3m \\
& ^2z + 18a^2b^5c^2f^3m^2z - 117a^4b^2c^3f^2l^3z + 117a^3b^2* \\
& c^4e^3m^2z + 63a^3b^4c^2f^2l^3z - 63a^2b^4c^3e^3m^2z - 171a \\
& ^2b^3c^4d^3m^2z - 54a^3b^3c^3f^2k^3z + 9a^3b^2c^4g^3j^2z + \\
& 9a^2b^5c^2f^2k^3z + 18a^3b^2c^4f^2j^3z + 18a^2b^3c^4f^3j^ \\
& 2z - 9a^2b^4c^3f^2j^3z - 45a^2b^2c^5e^3j^2z + 9a^2b^3c^4f^ \\
& 2h^3z - 9a^2b^2c^5f^2g^3z + 9a*b^8d^*e^m^3z - 36a*b^c^7d^4h^z \\
& - 108a^6c^3h^2l^m^2z + 108a^6c^3j^*k^2l^2z - 108a^6c^3g^*k^2m^2 \\
& z - 108a^6c^3e^1l^2m^2z + 108a^5c^4h^2j^2l^z + 108a^5c^4e^2l^* \\
& m^2z + 216a^5c^4f^2j^*m^2z + 108a^5c^4h^2j^*k^2z + 108a^5c^4g^2 \\
& *j^1l^2z + 108a^5c^4g^*j^2k^2z - 216a^4c^5d^2k^2l^z + 108a^5c^4* \\
& e^j^2l^2z - 108a^4c^5e^2j^2l^z - 9a^6b^2c^1l^3m^2z + 108a^5c^4 \\
& *e^h^2m^2z - 108a^4c^5f^2h^2l^z + 108a^4c^5e^2j^*k^2z + 108a^4c^ \\
& ^5d^2j^1l^2z - 144a^6b^c^2j^2m^3z + 108a^4c^5g^2h^2j^z - 27a^ \\
& 4b^4c^*j^3m^2z + 27a^4b^3c^2j^4m^z + 9a^5b^2c^2k^4l^z + 216a^ \\
& 4c^5e^2g^1l^2z - 108a^4c^5f^2g^*k^2z - 108a^4c^5d^2g^*m^2z - 9a \\
& ^4b^4c^*j^2l^3z - 108a^4c^5e^*h^2j^2z - 108a^4c^5e^*f^2l^2z + 10 \\
& 8a^3c^6e^2f^2l^z - 36a^5b^c^3j^2k^3z + 36a^5b^c^3h^3m^2z + 1 \\
& 08a^3c^6e^2g^2j^z + 108a^3c^6d^2h^2j^z - 216a^5b^c^3f^2m^3z \\
& + 144a^4b^c^4f^3m^2z + 108a^3c^6d^2g^*j^2z - 72a^3b^5c^*f^2m^3* \\
& z - 45a^5b^2c^2g^1l^4z - 9a^4b^3c^2h^k^4z - 9a^3b^2c^4g^4l^z \\
& + 9a^2b^3c^4f^4m^z + 216a^3c^6d^2e^*k^2z - 9a^2b^6c^*f^2l^3z + \\
& 9a*b^6c^2e^3m^2z + 108a^3c^6e^*f^2h^2z + 108a^3b^c^5d^3m^2z \\
& + 108a^2c^7d^2e^2j^z + 72a^4b^c^4f^2k^3z + 72a*b^5c^3d^3m^2z \\
& - 72a^3b^c^5f^3j^2z + 54a^4b^3c^2*d^1l^4z - 45a^4b^2c^3e^*k^4z \\
& + 18a^3b^3c^3f^*j^4z + 9a^3b^4c^2e^*k^4z - 9a^2b^2c^5f^4j^z - \\
& 108a^2c^7d^2f^2g^z + 9a^3b^2c^4g^*h^4z + 9a*b^4c^4e^3j^2z - \\
& 72a^2b^c^6d^3j^2z + 54a*b^3c^5d^3j^2z - 36a^3b^c^5f^2h^3z - \\
& 9a^2b^3c^4d^*h^4z + 9a^2b^2c^5e^*g^4z + 9a*b^2c^6e^3f^2z + 36* \\
& a^7c^2l^3m^2z + 72a^6c^3j^3m^2z - 36a^6c^3j^2l^3z + 9a^4b^5 \\
& *j^2m^3z + 36a^5c^4g^3m^2z + 36a^5c^4f^2l^3z - 36a^4c^5e^3m \\
& ^2z - 9b^7c^2d^3m^2z + 9a^2b^7f^2m^3z - 36a^4c^5g^3j^2z + 7 \\
& 2a^4c^5f^2j^3z + 36a^3c^6e^3j^2z - 9b^5c^4d^3j^2z + 36a^3c^ \\
& ^6f^2g^3z - 9a^4b^2c^3j^5z - 36a^2c^7e^3f^2z - 9b^3c^6d^3f^ \\
& ^2z + 36a^7c^2j^*m^4z - 36a^6c^3k^4l^z - 18a^5b^4j^*m^4z + 36a^ \\
& 6c^3g^1l^4z + 36a^4c^5g^4l^z + 18a^4b^5f^*m^4z - 9b^4c^5d^4l^z \\
& + 36a^5c^4e^*k^4z + 36a^3c^6f^4j^z - 36a^2c^7d^4l^z - 36a^4c^ \\
& 5g^*h^4z + 9b^3c^6d^4h^z - 36a^3c^6e^*g^4z + 36a^2c^7e^4g^z - 9 \\
& *b^2c^7d^4e^z - 36a^7b^c^m^5z + 36a^c^8d^4e^z + 9a^6b^3m^5z + \\
& 36a^5c^4j^5z + 9a^4b^3c^*g^*h^*j^*k^1m - 9a^3b^4c^*e^*g^*j^*k^1m - 9a^ \\
& 3b^4c^*d^*h^*j^*k^1m - 9a^3b^4c^*f^*g^*h^*k^1m + 36a^4b^c^3d^*e^*j^*k^1m + \\
& 9a^2b^5c^*d^*e^*j^*k^1m + 36a^4b^c^3e^*f^*h^*j^1m + 36a^4b^c^3e^*f^*g^*k^1 \\
& *m + 36a^4b^c^3d^*f^*h^*k^1m + 9a^2b^5c^*e^*f^*g^*k^1m + 9a^2b^5c^*d^*f^*h
\end{aligned}$$

$$\begin{aligned}
& *k^1*m + 36*a^3*b*c^4*d*e*f*j*k^1 + 9*a*b^5*c^2*d*e*f*j*k^1 + 36*a^3*b*c^4* \\
& d*e*g*h*k^1 + 36*a^3*b*c^4*d*e*f*h*k^m + 36*a^3*b*c^4*d*e*f*g^1*m + 9*a*b^5 \\
& *c^2*d*e*f*h*k^m + 9*a*b^5*c^2*d*e*f*g^1*m - 9*a*b^4*c^3*d*e*f*h*j*k - 9*a \\
& b^4*c^3*d*e*f*g*j^1 - 9*a*b^4*c^3*d*e*f*g*h^m + 9*a*b^3*c^4*d*e*f*g*h^j - 9 \\
& *a*b^6*c*d*e*f*k^1*m + 18*a^4*b^2*c^2*e*g*j*k^1*m + 18*a^4*b^2*c^2*d*h*j*k^1 \\
& l*m + 18*a^4*b^2*c^2*f*g*h*k^1*m - 36*a^3*b^3*c^2*d*e*j*k^1*m - 36*a^3*b^3* \\
& c^2*e*f*g*k^1*m - 36*a^3*b^3*c^2*d*f*h*k^1*m + 9*a^3*b^3*c^2*f*g*h*j*k^1 + \\
& 9*a^3*b^3*c^2*e*g*h*j*k^m + 9*a^3*b^3*c^2*d*g*h*j^1*m - 108*a^3*b^2*c^3*d*e \\
& *f*k^1*m + 54*a^2*b^4*c^2*d*e*f*k^1*m - 36*a^3*b^2*c^3*d*f*g*j*k^m + 18*a^3 \\
& *b^2*c^3*e*f*g*j*k^1 + 18*a^3*b^2*c^3*d*f*h*j*k^1 + 18*a^3*b^2*c^3*d*e*h*j* \\
& k^m + 18*a^3*b^2*c^3*d*e*g*j^1*m - 9*a^2*b^4*c^2*e*f*g*j*k^1 - 9*a^2*b^4*c^ \\
& 2*d*f*h*j*k^1 - 9*a^2*b^4*c^2*d*e*h*j*k^m - 9*a^2*b^4*c^2*d*e*g*j^1*m + 18* \\
& a^3*b^2*c^3*e*f*g*h*k^m + 18*a^3*b^2*c^3*d*f*g*h^1*m - 9*a^2*b^4*c^2*e*f*g* \\
& h*k^m - 9*a^2*b^4*c^2*d*f*g*h^1*m - 36*a^2*b^3*c^3*d*e*f*j*k^1 - 36*a^2*b^3 \\
& *c^3*d*e*f*h*k^m - 36*a^2*b^3*c^3*d*e*f*g^1*m + 9*a^2*b^3*c^3*e*f*g*h*j*k + \\
& 9*a^2*b^3*c^3*d*f*g*h*j^1 + 9*a^2*b^3*c^3*d*e*g*h*j^m + 18*a^2*b^2*c^4*d*e \\
& *f*h*j*k + 18*a^2*b^2*c^4*d*e*f*g*j^1 + 18*a^2*b^2*c^4*d*e*f*g*h^m - 9*a^5* \\
& b^2*c*h*j*k^2*1*m - 9*a^5*b^2*c*g*j*k^1^2*m + 27*a^5*b^2*c*f*j*k^1*m^2 - 9* \\
& a^4*b^3*c*f*j^2*k^1*m + 9*a^3*b^4*c*f^2*j*k^1*m - 18*a^5*b*c^2*e*j*k^2*1*m \\
& - 9*a^5*b^2*c*g*h*k^1*m^2 + 9*a^4*b^3*c*e*j*k^2*1*m - 18*a^5*b*c^2*f*h*k^2* \\
& 1*m - 18*a^5*b*c^2*d*j*k^1^2*m + 9*a^4*b^3*c*f*h*k^2*1*m + 9*a^4*b^3*c*d*j* \\
& k^1^2*m + 36*a^5*b*c^2*e*h*k^1^2*m - 36*a^4*b*c^3*e^2*h*k^1*m + 18*a^5*b*c^ \\
& 2*f*h*j^1^2*m - 18*a^5*b*c^2*f*g*k^1^2*m - 18*a^4*b^3*c*e*h*k^1^2*m + 9*a^4 \\
& *b^3*c*f*g*k^1^2*m + 9*a^3*b^4*c*e*h^2*k^1*m - 9*a^2*b^5*c*e^2*h*k^1*m - 54 \\
& *a^5*b*c^2*e*h*j^1*m^2 - 18*a^5*b*c^2*e*g*k^1*m^2 - 18*a^5*b*c^2*d*h*k^1*m^ \\
& 2 + 18*a^4*b^3*c*e*h*j^1*m^2 - 9*a^4*b^3*c*f*h*j*k^m^2 - 9*a^4*b^3*c*f*g*j* \\
& l*m^2 + 9*a^4*b^3*c*e*g*k^1*m^2 + 9*a^4*b^3*c*d*h*k^1*m^2 + 18*a^4*b*c^3*f* \\
& g^2*j*k^m - 18*a^4*b*c^3*e*g^2*j^1*m + 18*a^3*b^4*c*d*g*k^2*1*m - 9*a^3*b^4 \\
& *c*e*f*k^2*1*m - 9*a^2*b^5*c*d*g^2*k^1*m - 18*a^4*b*c^3*f*g^2*h^1*m - 18*a^ \\
& 4*b*c^3*d*h^2*j*k^m - 9*a^3*b^4*c*d*f*k^1^2*m - 54*a^4*b*c^3*d*g*j^2*k^m - \\
& 18*a^4*b*c^3*f*g*h^2*k^m - 18*a^4*b*c^3*e*g*j^2*k^1 - 18*a^4*b*c^3*d*h*j^2* \\
& k^1 - 18*a^3*b^4*c*d*g*j*k^m^2 + 9*a^3*b^4*c*e*f*j*k^m^2 + 9*a^3*b^4*c*d*f* \\
& j^1*m^2 - 9*a^3*b^4*c*d*e*k^1*m^2 - 54*a^3*b*c^4*d^2*f*j*k^m + 36*a^4*b*c^3 \\
& *d*g*j*k^2*1 - 36*a^3*b*c^4*d^2*g*j*k^1 - 18*a^4*b*c^3*e*f*j*k^2*1 + 18*a^4 \\
& *b*c^3*d*f*j*k^2*m - 18*a^3*b*c^4*d^2*e*j^1*m + 9*a^3*b^4*c*f*g*h*j^m^2 - 9 \\
& *a*b^5*c^2*d^2*g*j*k^1 + 36*a^4*b*c^3*d*g*h*k^2*m - 36*a^3*b*c^4*d^2*g*h*k^ \\
& m + 18*a^4*b*c^3*e*g*h*k^2*1 - 18*a^4*b*c^3*e*f*h*k^2*m - 18*a^4*b*c^3*d*f* \\
& j*k^1^2 - 18*a^3*b*c^4*d^2*f*h^1*m - 18*a^3*b*c^4*d*e^2*j*k^m - 9*a*b^5*c^2 \\
& *d^2*g*h*k^m - 54*a^4*b*c^3*d*g*h*k^1^2 - 54*a^3*b*c^4*e^2*f*h*j^m - 18*a^4 \\
& *b*c^3*d*f*g^1^2*m - 18*a^3*b*c^4*e^2*f*g*k^m - 54*a^4*b*c^3*d*f*g*k^m^2 - \\
& 36*a^4*b*c^3*e*f*g*j^m^2 - 36*a^4*b*c^3*d*f*h*j^m^2 + 36*a^3*b*c^4*e*f^2*g* \\
& j^m + 36*a^3*b*c^4*d*f^2*h*j^m - 18*a^4*b*c^3*d*e*h*k^m^2 - 18*a^4*b*c^3*d* \\
& e*g^1*m^2 + 18*a^3*b*c^4*e*f^2*h*j^1 - 18*a^3*b*c^4*e*f^2*g*k^1 - 18*a^3*b* \\
& c^4*d*f^2*h*k^1 + 18*a^3*b*c^4*d*f^2*g*k^m - 9*a^2*b^5*c*e*f*g*j^m^2 - 9*a^ \\
& 2*b^5*c*d*f*h*j^m^2 - 54*a^3*b*c^4*d*f*g^2*j^m - 18*a^3*b*c^4*e*f*g^2*j^1 - \\
& 18*a*b^4*c^3*d^2*f*g*j^m + 9*a*b^4*c^3*d^2*g*h*j*k + 9*a*b^4*c^3*d^2*f*g*k \\
& ^1 + 9*a*b^4*c^3*d^2*e*g*k^m - 9*a*b^4*c^3*d^2*e*f^1*m - 18*a^3*b*c^4*e*f*g \\
& ^2*h^m - 18*a^3*b*c^4*d*f*h^2*j*k - 9*a*b^4*c^3*d*e^2*f*k^m + 18*a^3*b*c^4* \\
& d*f*g*j^2*k - 18*a^3*b*c^4*d*f*g*h^2*m - 18*a^3*b*c^4*d*e*h*j^2*k - 18*a^3* \\
& b*c^4*d*e*g*j^2*1 + 18*a*b^4*c^3*d*e*f^2*j^m - 9*a*b^5*c^2*d*e*f*j^2*m - 9* \\
& a*b^4*c^3*d*e*f^2*k^1 - 18*a^2*b*c^5*d^2*e*f*j^1 - 9*a*b^3*c^4*d^2*e*g*j*k \\
& + 9*a*b^3*c^4*d^2*e*f*j^1 - 54*a^2*b*c^5*d^2*e*g*h^1 - 18*a^2*b*c^5*d^2*e*f \\
& *h^m - 18*a^2*b*c^5*d*e^2*f*j*k + 18*a*b^3*c^4*d^2*e*g*h^1 - 9*a*b^3*c^4*d^ \\
& 2*f*g*h*k + 9*a*b^3*c^4*d^2*e*f*h^m + 9*a*b^3*c^4*d*e^2*f*j*k - 36*a^3*b*c^ \\
& 4*d*e*f*h^1^2 + 36*a^2*b*c^5*d*e^2*f*h^1 + 18*a^2*b*c^5*d*e^2*g*h*k - 18*a^ \\
& 2*b*c^5*d*e^2*f*g^m - 18*a*b^3*c^4*d*e^2*f*h^1 - 9*a*b^5*c^2*d*e*f*h^1^2 + \\
& 9*a*b^4*c^3*d*e*f*h^2*1 + 9*a*b^3*c^4*d*e^2*f*g^m - 18*a^2*b*c^5*d*e*f^2*h* \\
& k - 18*a^2*b*c^5*d*e*f^2*g^1 + 9*a*b^3*c^4*d*e*f^2*h*k + 9*a*b^3*c^4*d*e*f^ \\
& 2*g^1 + 27*a*b^2*c^5*d^2*e*f*g*k + 9*a*b^4*c^3*d*e*f*g*k^2 - 9*a*b^3*c^4*d*
\end{aligned}$$

$$\begin{aligned}
& e*f*g^2*k - 9*a*b^2*c^5*d^2*e*f*h*j - 9*a*b^2*c^5*d*e^2*f*g*j - 9*a*b^2*c^5 \\
& *d*e*f^2*g*h + 72*a^4*c^4*d*f*g*j*k*m + 72*a^4*c^4*d*e*f*k*1*m + 9*a*b^6*c* \\
& d^2*g*k*1*m + 9*a*b^6*c*d*e*f*j*m^2 - 27*a^4*b^2*c^2*f^2*j*k*1*m - 9*a^4*b^ \\
& 2*c^2*g^2*h*j*1*m + 36*a^3*b^3*c^2*e^2*h*k*1*m - 18*a^4*b^2*c^2*e*h^2*k*1*m \\
& - 9*a^4*b^2*c^2*g*h^2*j*k*m + 18*a^4*b^2*c^2*f*h*j^2*k*m + 18*a^4*b^2*c^2* \\
& f*g*j^2*1*m - 18*a^4*b^2*c^2*e*h*j^2*1*m - 9*a^4*b^2*c^2*g*h*j^2*k*1 - 9*a^ \\
& 3*b^3*c^2*f^2*h*j*k*m - 9*a^3*b^3*c^2*f^2*g*j*1*m - 63*a^4*b^2*c^2*d*g*k^2* \\
& 1*m + 63*a^3*b^2*c^3*d^2*g*k*1*m - 45*a^2*b^4*c^2*d^2*g*k*1*m + 36*a^4*b^2* \\
& c^2*e*f*k^2*1*m + 27*a^3*b^3*c^2*d*g^2*k*1*m - 9*a^4*b^2*c^2*f*h*j*k^2*1 - \\
& 9*a^4*b^2*c^2*e*h*j*k^2*m + 9*a^3*b^3*c^2*e*g^2*j*1*m - 9*a^3*b^2*c^3*d^2*h \\
& *j*1*m + 36*a^4*b^2*c^2*d*f*k*1^2*m + 27*a^4*b^2*c^2*e*h*j*k*1^2 - 27*a^3*b \\
& ^2*c^3*e^2*h*j*k*1 - 18*a^3*b^2*c^3*e^2*f*j*1*m - 9*a^4*b^2*c^2*f*g*j*k*1^2 \\
& - 9*a^4*b^2*c^2*d*g*j*1^2*m + 9*a^3*b^3*c^2*f*g^2*h*1*m - 9*a^3*b^3*c^2*e* \\
& h^2*j*k*1 + 9*a^3*b^3*c^2*d*h^2*j*k*m - 9*a^3*b^2*c^3*e^2*g*j*k*m + 9*a^2*b \\
& ^4*c^2*e^2*h*j*k*1 + 72*a^4*b^2*c^2*d*g*j*k*m^2 + 36*a^4*b^2*c^2*d*e*k*1*m^ \\
& 2 + 27*a^4*b^2*c^2*e*g*h*1^2*m - 27*a^4*b^2*c^2*e*f*j*k*m^2 - 27*a^4*b^2*c^ \\
& 2*d*f*j*1*m^2 - 27*a^3*b^2*c^3*e^2*g*h*1*m + 27*a^3*b^2*c^3*e*f^2*j*k*m + 2 \\
& 7*a^3*b^2*c^3*d*f^2*j*1*m + 18*a^3*b^3*c^2*d*g*j^2*k*m + 9*a^3*b^3*c^2*f*g* \\
& h^2*k*m + 9*a^3*b^3*c^2*e*g*j^2*k*1 - 9*a^3*b^3*c^2*e*g*h^2*1*m - 9*a^3*b^3 \\
& *c^2*e*f*j^2*k*m + 9*a^3*b^3*c^2*d*h*j^2*k*1 - 9*a^3*b^3*c^2*d*f*j^2*1*m + \\
& 9*a^2*b^4*c^2*e^2*g*h*1*m + 36*a^2*b^3*c^3*d^2*g*j*k*1 - 27*a^4*b^2*c^2*f*g \\
& *h*j*m^2 + 27*a^3*b^2*c^3*f^2*g*h*j*m - 18*a^4*b^2*c^2*e*f*h*1*m^2 - 18*a^3 \\
& *b^3*c^2*d*g*j*k^2*1 - 18*a^3*b^2*c^3*d*g^2*j*k*1 + 18*a^2*b^3*c^3*d^2*f*j* \\
& k*m - 9*a^4*b^2*c^2*e*g*h*k*m^2 - 9*a^4*b^2*c^2*d*g*h*1*m^2 - 9*a^3*b^3*c^2 \\
& *f*g*h*j^2*m + 9*a^3*b^3*c^2*e*f*j*k^2*1 - 9*a^3*b^2*c^3*f^2*g*h*k*1 + 9*a^ \\
& 2*b^4*c^2*d*g^2*j*k*1 + 9*a^2*b^3*c^3*d^2*e*j*1*m + 36*a^3*b^2*c^3*e*f*g^2* \\
& 1*m + 36*a^2*b^3*c^3*d^2*g*h*k*m - 18*a^3*b^3*c^2*d*g*h*k^2*m - 18*a^3*b^2* \\
& c^3*d*g^2*h*k*m + 9*a^3*b^3*c^2*e*f*h*k^2*m + 9*a^3*b^3*c^2*d*f*j*k*1^2 - 9 \\
& *a^3*b^2*c^3*f*g^2*h*j*1 - 9*a^3*b^2*c^3*e*g^2*h*j*m - 9*a^2*b^4*c^2*e*f*g^ \\
& 2*1*m + 9*a^2*b^4*c^2*d*g^2*h*k*m + 9*a^2*b^3*c^3*d^2*f*h*1*m + 9*a^2*b^3*c \\
& ^3*d*e^2*j*k*m + 36*a^3*b^2*c^3*d*f*h^2*k*m + 36*a^3*b^2*c^3*d*e*j^2*k*1 + \\
& 18*a^3*b^3*c^2*d*g*h*k*1^2 + 18*a^3*b^2*c^3*e*g*h^2*j*1 + 18*a^3*b^2*c^3*e* \\
& f*h^2*k*1 - 18*a^3*b^2*c^3*e*f*h^2*j*m - 18*a^3*b^2*c^3*d*g*h^2*k*1 + 18*a^ \\
& 3*b^2*c^3*d*e*h^2*1*m + 18*a^2*b^3*c^3*e^2*f*h*j*m - 9*a^3*b^3*c^2*e*g*h*j* \\
& 1^2 - 9*a^3*b^3*c^2*e*f*h*k*1^2 + 9*a^3*b^3*c^2*d*f*g*1^2*m - 9*a^3*b^3*c^2 \\
& *d*e*h*1^2*m - 9*a^3*b^2*c^3*f*g*h^2*j*k - 9*a^3*b^2*c^3*d*g*h^2*j*m - 9*a^ \\
& 2*b^4*c^2*d*f*h^2*k*m - 9*a^2*b^4*c^2*d*e*j^2*k*1 - 9*a^2*b^3*c^3*e^2*g*h*j \\
& *1 - 9*a^2*b^3*c^3*e^2*f*h*k*1 + 9*a^2*b^3*c^3*e^2*f*g*k*m - 9*a^2*b^3*c^3* \\
& d*e^2*h*1*m + 36*a^3*b^3*c^2*e*f*g*j*m^2 + 36*a^3*b^3*c^2*d*f*h*j*m^2 + 18* \\
& a^3*b^3*c^2*d*f*g*k*m^2 - 18*a^3*b^2*c^3*e*f*g*j^2*m - 18*a^3*b^2*c^3*d*f*h \\
& *j^2*m - 18*a^2*b^3*c^3*e*f^2*g*j*m - 18*a^2*b^3*c^3*d*f^2*h*j*m + 9*a^3*b^ \\
& 3*c^2*d*e*h*k*m^2 + 9*a^3*b^3*c^2*d*e*g*1*m^2 - 9*a^3*b^2*c^3*e*g*h*j^2*k - \\
& 9*a^3*b^2*c^3*d*g*h*j^2*1 + 9*a^2*b^4*c^2*e*f*g*j^2*m + 9*a^2*b^4*c^2*d*f* \\
& h*j^2*m + 9*a^2*b^3*c^3*e*f^2*g*k*1 + 9*a^2*b^3*c^3*d*f^2*h*k*1 + 72*a^2*b^ \\
& 2*c^4*d^2*f*g*j*m + 36*a^2*b^2*c^4*d^2*e*f*1*m + 27*a^3*b^2*c^3*d*g*h*j*k^2 \\
& + 27*a^3*b^2*c^3*d*f*g*k^2*1 + 27*a^3*b^2*c^3*d*e*g*k^2*m - 27*a^2*b^2*c^4 \\
& *d^2*g*h*j*k - 27*a^2*b^2*c^4*d^2*f*g*k*1 - 27*a^2*b^2*c^4*d^2*e*g*k*m + 18 \\
& *a^2*b^3*c^3*d*f*g^2*j*m - 18*a^2*b^2*c^4*d^2*e*h*k*1 - 9*a^3*b^2*c^3*e*f*h \\
& *j*k^2 + 9*a^2*b^3*c^3*e*f*g^2*j*1 - 9*a^2*b^3*c^3*d*g^2*h*j*k - 9*a^2*b^3* \\
& c^3*d*f*g^2*k*1 - 9*a^2*b^3*c^3*d*e*g^2*k*m - 9*a^2*b^2*c^4*d^2*f*h*j*1 - 9 \\
& *a^2*b^2*c^4*d^2*e*h*j*m + 36*a^2*b^2*c^4*d*e^2*f*k*m - 27*a^3*b^2*c^3*d*e* \\
& h*j*1^2 + 27*a^2*b^2*c^4*d*e^2*h*j*1 - 18*a^3*b^2*c^3*d*e*g*k*1^2 - 9*a^3*b \\
& ^2*c^3*d*f*g*j*1^2 + 9*a^2*b^4*c^2*d*e*h*j*1^2 + 9*a^2*b^3*c^3*e*f*g^2*h*m \\
& + 9*a^2*b^3*c^3*d*f*h^2*j*k - 9*a^2*b^3*c^3*d*e*h^2*j*1 - 9*a^2*b^2*c^4*e^2 \\
& *f*g*j*k - 9*a^2*b^2*c^4*d*e^2*g*j*m + 63*a^3*b^2*c^3*d*e*f*j*m^2 - 63*a^2* \\
& b^2*c^4*d*e*f^2*j*m - 45*a^2*b^4*c^2*d*e*f*j*m^2 + 36*a^2*b^2*c^4*d*e*f^2*k \\
& *1 - 27*a^3*b^2*c^3*e*f*g*h*1^2 + 27*a^2*b^3*c^3*d*e*f*j^2*m + 27*a^2*b^2*c \\
& ^4*e^2*f*g*h*1 + 9*a^2*b^4*c^2*e*f*g*h*1^2 - 9*a^2*b^3*c^3*e*f*g*h^2*1 + 9* \\
& a^2*b^3*c^3*d*f*g*h^2*m + 9*a^2*b^3*c^3*d*e*h*j^2*k + 9*a^2*b^3*c^3*d*e*g*j
\end{aligned}$$

$$\begin{aligned}
& ^2*1 + 18*a^2*b^2*c^4*d*e*g^2*j*k - 9*a^3*b^2*c^3*d*e*g*h*m^2 - 9*a^2*b^3*c^3*d*e*g*j*k^2 - 9*a^2*b^2*c^4*e*f^2*g*h*k - 9*a^2*b^2*c^4*d*f^2*g*h*1 + 18 \\
& *a^2*b^2*c^4*d*f*g^2*h*k - 18*a^2*b^2*c^4*d*e*g^2*h*1 - 9*a^2*b^3*c^3*d*f*g \\
& *h*k^2 - 9*a^2*b^2*c^4*e*f*g^2*h*j + 36*a^2*b^3*c^3*d*e*f*h*1^2 - 18*a^2*b^ \\
& 2*c^4*d*e*f*h^2*1 - 9*a^2*b^2*c^4*d*f*g*h^2*j - 9*a^2*b^2*c^4*d*e*g*h*j^2 - \\
& 27*a^2*b^2*c^4*d*e*f*g*k^2 + 18*a^2*b^2*c^4*d^2*f*h*k^2 - 9*a^2*b^3*c^3*e* \\
& f*g^2*k^2 - 9*a^2*b^2*c^4*e^2*f*h*j^2 - 9*a^2*b^2*c^4*d*f^2*h^2*k + 45*a^2* \\
& b^3*c^3*d*e*f^2*m^2 + 36*a^2*b^2*c^4*d^2*e*g*1^2 + 9*a^2*b^3*c^3*d*e*g^2*1^ \\
& 2 + 9*a^2*b^2*c^4*e*f^2*g*j^2 + 9*a^2*b^2*c^4*d*f^2*h*j^2 - 9*a^2*b^2*c^4*d \\
& *e^2*h*k^2 - 36*a^2*b^2*c^4*d*e^2*f*1^2 - 9*a^2*b^2*c^4*d*f*g^2*j^2 - 12*a^ \\
& 6*b*c*h*k*1^3*m + 3*a*b^6*c*e^3*k*1*m + 3*a*b^6*c*d*e*f*1^3 - 12*a*b*c^6*d* \\
& e^3*f*h + 9*a^5*b^2*c*h^2*k*1^2*m + 18*a^5*b*c^2*g^2*k^2*1*m - 9*a^5*b^2*c* \\
& h^2*j*1*m^2 + 9*a^5*b*c^2*h^2*j^2*1*m - 9*a^4*b^3*c*g^2*k^2*1*m - 3*a^4*b^2 \\
& *c^2*g^3*k*1*m + 18*a^5*b*c^2*f^2*k*1*m^2 + 15*a^3*b^3*c^2*f^3*k*1*m + 9*a^ \\
& 5*b^2*c*h*j^2*k*m^2 + 9*a^5*b^2*c*g*j^2*1*m^2 - 9*a^5*b^2*c*f*k^2*1^2*m + 9 \\
& *a^5*b*c^2*h^2*j*k^2*m + 9*a^5*b*c^2*g^2*j*1^2*m - 9*a^4*b^3*c*f^2*k*1*m^2 \\
& + 36*a^3*b^2*c^3*e^3*k*1*m - 27*a^5*b*c^2*g^2*j*k*m^2 - 18*a^5*b*c^2*h^2*j* \\
& k*1^2 - 18*a^2*b^4*c^2*e^3*k*1*m - 9*a^5*b^2*c*g*j*k^2*m^2 - 9*a^5*b^2*c*e* \\
& k^2*1*m^2 + 9*a^5*b*c^2*h*j^2*k^2*1 + 9*a^5*b*c^2*g*j^2*k^2*m + 9*a^4*b^3*c \\
& *g^2*j*k*m^2 + 9*a^3*b^4*c*e^2*k*1^2*m + 3*a^4*b^2*c^2*h^3*j*k*1 - 54*a^4*b \\
& *c^3*d^2*k^2*1*m - 51*a^2*b^3*c^3*d^3*k*1*m - 27*a^4*b*c^3*e^2*j^2*1*m - 18 \\
& *a^5*b*c^2*g*h^2*1^2*m - 9*a^5*b^2*c*e*j*1^2*m^2 - 9*a^5*b^2*c*d*k*1^2*m^2 \\
& + 9*a^5*b*c^2*g^2*h*1*m^2 + 9*a^5*b*c^2*g*j^2*k*1^2 + 9*a^5*b*c^2*e*j^2*1^2 \\
& *m - 9*a^3*b^4*c*e^2*j*1*m^2 - 9*a^2*b^5*c*d^2*k^2*1*m + 3*a^4*b^2*c^2*g*h^ \\
& 3*1*m - 3*a^3*b^3*c^2*g^3*j*k*1 + 18*a^5*b*c^2*e*j^2*k*m^2 + 18*a^5*b*c^2*d \\
& *j^2*1*m^2 + 18*a^4*b*c^3*f^2*j^2*k*1 + 9*a^5*b*c^2*g*h^2*k*m^2 + 9*a^5*b*c \\
& ^2*f*h^2*1*m^2 + 9*a^5*b*c^2*f*j*k^2*1^2 - 9*a^4*b^3*c*e*j^2*k*m^2 - 9*a^4* \\
& b^3*c*d*j^2*1*m^2 + 9*a^4*b^2*c^2*f*j^3*k*1 + 9*a^4*b^2*c^2*e*j^3*k*m + 9*a \\
& ^4*b^2*c^2*d*j^3*1*m + 9*a^4*b*c^3*f^2*h^2*1*m + 9*a^4*b*c^3*e^2*j*k^2*m + \\
& 9*a^4*b*c^3*d^2*j*1^2*m - 3*a^3*b^3*c^2*g^3*h*k*m - 3*a^3*b^2*c^3*f^3*j*k*1 \\
& + 3*a^2*b^4*c^2*f^3*j*k*1 + 45*a^4*b*c^3*d^2*j*k*m^2 - 27*a^5*b*c^2*d*j*k^ \\
& 2*m^2 + 18*a^5*b*c^2*g*h*j^2*m^2 + 18*a^4*b*c^3*e^2*j*k*1^2 + 15*a^2*b^3*c^ \\
& 3*e^3*j*k*1 - 12*a^3*b^2*c^3*f^3*h*k*m - 12*a^3*b^2*c^3*f^3*g*1*m + 9*a^5*b \\
& *c^2*g*h*k^2*1^2 - 9*a^4*b^3*c*g*h*j^2*m^2 + 9*a^4*b^3*c*d*j*k^2*m^2 + 9*a^ \\
& 4*b^2*c^2*g*h*j^3*m + 9*a^4*b*c^3*g^2*h^2*k*1 + 9*a^4*b*c^3*g^2*h^2*j*m + 9 \\
& *a^2*b^5*c*d^2*j*k*m^2 + 3*a^2*b^4*c^2*f^3*h*k*m + 3*a^2*b^4*c^2*f^3*g*1*m \\
& + 36*a^2*b^2*c^4*d^3*j*k*1 + 18*a^4*b*c^3*e^2*g*1^2*m + 15*a^2*b^3*c^3*e^3* \\
& g*1*m + 12*a^4*b^2*c^2*d*j*k^3*1 + 9*a^5*b*c^2*f*g*k^2*m^2 + 9*a^5*b*c^2*e* \\
& h*k^2*m^2 + 9*a^4*b*c^3*g^2*h*j^2*1 + 9*a^4*b*c^3*f^2*h*k^2*1 + 9*a^4*b*c^3 \\
& *f^2*g*k^2*m + 9*a^4*b*c^3*d^2*h*1*m^2 - 9*a^3*b^3*c^2*e*h^3*k*m + 6*a^2*b^ \\
& 3*c^3*e^3*h*k*m + 45*a^4*b*c^3*e^2*h*j*m^2 + 36*a^2*b^2*c^4*d^3*h*k*m - 33* \\
& a^3*b^2*c^3*d*g^3*1*m - 27*a^4*b*c^3*f^2*h*j*1^2 - 27*a^4*b*c^3*e^2*f*1*m^2 \\
& - 27*a^4*b*c^3*e*h^2*j^2*m - 18*a^4*b*c^3*g^2*h*j*k^2 - 18*a^4*b*c^3*f*g^2 \\
& *k^2*1 - 18*a^4*b*c^3*e*g^2*k^2*m - 18*a^3*b*c^4*d^2*g^2*1*m + 12*a^4*b^2*c \\
& ^2*d*h*k^3*m + 9*a^5*b*c^2*e*f*1^2*m^2 + 9*a^5*b*c^2*d*g*1^2*m^2 + 9*a^4*b* \\
& c^3*f^2*g*k*1^2 + 9*a^4*b*c^3*e^2*g*k*m^2 + 9*a^4*b*c^3*g*h^2*j^2*k + 9*a^4 \\
& *b*c^3*f*h^2*j^2*1 + 9*a^4*b*c^3*e*f^2*1^2*m - 9*a^3*b^4*c*e*h^2*j*m^2 + 9* \\
& a^3*b*c^4*e^2*f^2*1*m + 9*a^2*b^5*c*e^2*h*j*m^2 + 9*a^2*b^4*c^2*d*g^3*1*m - \\
& 9*a^2*b^2*c^4*d^3*g*1*m - 9*a*b^5*c^2*d^2*g^2*1*m - 6*a^4*b^2*c^2*e*h*k^3* \\
& 1 - 6*a^3*b^2*c^3*f*g^3*j*m + 3*a^4*b^2*c^2*g*h*j*k^3 + 3*a^4*b^2*c^2*f*g*k \\
& ^3*1 + 3*a^4*b^2*c^2*e*g*k^3*m + 3*a^3*b^2*c^3*g^3*h*j*k + 3*a^3*b^2*c^3*f* \\
& g^3*k*1 + 3*a^3*b^2*c^3*e*g^3*k*m - 27*a^3*b*c^4*d^2*h^2*k*1 + 18*a^4*b*c^3 \\
& *e*f^2*k*m^2 + 18*a^4*b*c^3*d*f^2*1*m^2 + 9*a^4*b*c^3*f*h^2*j*k^2 + 9*a^4*b \\
& *c^3*f*g^2*j*1^2 + 9*a^4*b*c^3*e*g^2*k*1^2 + 9*a^4*b*c^3*d*h^2*k^2*1 + 9*a^ \\
& 3*b^4*c*e*g*j^2*m^2 + 9*a^3*b^4*c*d*h*j^2*m^2 - 9*a^3*b^3*c^2*e*g*j^3*m - 9 \\
& *a^3*b^3*c^2*d*h*j^3*m + 9*a^3*b*c^4*e^2*g^2*k*1 + 9*a^3*b*c^4*e^2*g^2*j*m \\
& + 9*a^3*b*c^4*d^2*h^2*j*m - 3*a^2*b^3*c^3*f^3*h*j*k - 3*a^2*b^3*c^3*f^3*g*j \\
& *1 - 3*a^2*b^3*c^3*e*f^3*k*m - 3*a^2*b^3*c^3*d*f^3*1*m + 45*a^4*b*c^3*d*g^2 \\
& *j*m^2 + 45*a^3*b*c^4*d^2*g*j^2*m + 24*a^4*b^2*c^2*d*g*k*1^3 + 24*a^2*b^2*c
\end{aligned}$$

$$\begin{aligned}
& ^4e^3f^jkm + 18a^4b^3c^3f^2g^h^m + 18a^4b^3c^3d^h^2j^1 + 18a^3 \\
& *b^4c^4e^2h^2jk - 12a^4b^2c^2e^g^j^1^3 - 12a^4b^2c^2e^f^k^1^3 - \\
& 12a^4b^2c^2d^e^1^3m - 12a^2b^2c^4e^3g^j^1 - 12a^2b^2c^4e^3f^ \\
& k^1 - 12a^2b^2c^4d^e^3l^m + 9a^4b^3c^3f^g^j^2k^2 + 9a^4b^3c^3e^h^ \\
& j^2k^2 + 9a^3b^2c^3e^h^3jk + 9a^3b^2c^3d^h^3j^1 + 9a^3b^3c^4f^ \\
& ^2g^2jk + 9a^3b^3c^4d^2h^j^2 + 9a^2b^5c^d^2g^2j^m + 9a^2b^5c^ \\
& ^2d^2g^j^2m - 3a^4b^2c^2d^h^j^1^3 - 3a^2b^3c^3f^3g^h^m - 3a^2b^ \\
& ^2c^4e^3h^jk + 18a^4b^3c^3f^g^h^2l^2 + 18a^3b^3c^4e^2g^h^2m + 18 \\
& a^3b^3c^4d^2h^jk^2 + 18a^3b^3c^4d^2f^k^2 + 18a^3b^3c^4d^2e^k^2m \\
& + 9a^4b^3c^3e^g^2h^m + 9a^4b^3c^3e^f^j^2l^2 + 9a^4b^3c^3d^g^j^2 \\
& l^2 + 9a^3b^2c^3f^g^h^3l + 9a^3b^2c^3e^g^h^3m + 9a^3b^3c^4f^2g^ \\
& ^2h^1 + 9a^3b^3c^4e^2g^j^2k + 9a^3b^3c^4e^2f^j^2l - 9a^2b^3c^3 \\
& *d^g^3j^1 + 9a^2b^4c^3d^2g^2j^1 - 3a^4b^2c^2f^g^h^1^3 - 3a^3b^3c^ \\
& ^2e^g^j^k^3 - 3a^3b^3c^2d^h^j^k^3 - 3a^3b^3c^2d^f^k^3l - 3a^3b^ \\
& ^3c^2d^e^k^3m - 3a^2b^2c^4e^3g^h^m - 33a^3b^2c^3d^e^j^3m - 27a^ \\
& ^4b^3c^3e^f^h^2m^2 - 27a^3b^3c^4d^2e^k^1^2 - 18a^4b^3c^3d^e^j^2m^2 \\
& - 18a^3b^3c^4e^f^2j^2k - 18a^3b^3c^4d^f^2j^2l - 9a^4b^2c^2d^e^ \\
& j^m^3 + 9a^4b^3c^3d^g^h^2m^2 + 9a^4b^3c^3d^e^k^2l^2 + 9a^3b^3c^4f^2 \\
& *g^h^2k + 9a^3b^3c^4e^2f^jk^2 + 9a^3b^3c^4d^2f^j^1^2 + 9a^3b^3c^4 \\
& e^f^2h^2m + 9a^3b^3c^4d^e^2k^2l - 9a^2b^5c^d^2e^j^2m^2 + 9a^2b^4 \\
& *c^2d^e^j^3m - 9a^2b^3c^3d^g^3h^m + 9a^2b^3c^5d^2e^2k^1 + 9a^2b^ \\
& ^3c^5d^2e^2j^m + 9a^2b^4c^3d^2g^2h^m - 6a^3b^2c^3d^g^j^3k - 3a^ \\
& ^3b^3c^2f^g^h^k^3 + 3a^3b^2c^3e^f^j^3k + 3a^3b^2c^3d^f^j^3l + \\
& 3a^2b^2c^4e^f^3jk + 3a^2b^2c^4d^f^3j^1 + 45a^3b^3c^4d^2g^h^1^ \\
& ^2 + 36a^4b^2c^2e^f^g^m^3 + 36a^4b^2c^2d^f^h^m^3 - 27a^3b^3c^4e^2 \\
& *g^h^k^2 - 27a^3b^3c^4d^g^2h^2l - 18a^3b^3c^4f^2g^h^j^2 + 18a^3b^3c^ \\
& ^4d^e^2j^1^2 + 15a^3b^3c^2d^e^j^1^3 + 12a^2b^2c^4e^f^3g^m + 12a^ \\
& ^2b^2c^4d^f^3h^m + 9a^3b^3c^4f^g^2h^2j + 9a^3b^3c^4e^g^2h^2k + 9 \\
& a^3b^3c^4d^f^2jk^2 + 9a^2b^3c^5d^2f^2jk + 9a^2b^5c^2d^2g^h^1^2 \\
& - 9a^2b^4c^3d^2g^h^2l - 6a^2b^2c^4e^f^3h^1 + 3a^3b^2c^3f^g^h^j^ \\
& ^3 + 3a^2b^2c^4f^3g^h^j + 45a^3b^3c^4d^2f^g^m^2 - 27a^2b^3c^5d^2 \\
& f^2g^m + 18a^3b^3c^4e^2f^g^1^2 + 15a^3b^3c^2e^f^g^1^3 - 12a^3b^2c^ \\
& ^3d^e^j^k^3 + 9a^3b^3c^4d^2e^h^m^2 + 9a^3b^3c^4e^g^2h^j^2 + 9a^3b^ \\
& ^3c^4e^f^2h^k^2 - 9a^2b^3c^3d^f^h^3l + 9a^2b^3c^5d^2f^2h^1 + 9a^2 \\
& b^5c^2d^2f^g^m^2 + 9a^2b^3c^4d^2f^2g^m + 6a^3b^3c^2d^f^h^1^3 + 3 \\
& a^2b^4c^2d^e^j^k^3 + 18a^3b^3c^4e^f^g^2k^2 + 18a^2b^3c^5d^2g^2h^ \\
& j + 18a^2b^3c^5d^2f^g^2l + 18a^2b^3c^5d^2e^g^2m - 12a^3b^2c^3d^ \\
& f^h^k^3 + 9a^3b^3c^4e^f^h^2j^2 + 9a^3b^3c^4d^f^2g^1^2 + 9a^3b^3c^4d \\
& e^2g^m^2 + 9a^3b^3c^4d^g^h^2j^2 + 9a^2b^2c^4e^f^g^3k + 9a^2b^2c^ \\
& ^4d^g^3h^j + 9a^2b^2c^4d^f^g^3l + 9a^2b^2c^4d^e^g^3m + 9a^2b^ \\
& ^2c^5e^2f^2h^j + 9a^2b^3c^5e^2f^2g^k - 9a^2b^3c^4d^2g^2h^j - 9a^2 \\
& b^3c^4d^2f^g^2l - 9a^2b^3c^4d^2e^g^2m - 3a^3b^2c^3e^f^g^k^3 + 3 \\
& a^2b^4c^2e^f^g^k^3 + 3a^2b^4c^2d^f^h^k^3 - 54a^3b^3c^4d^e^f^2m^2 \\
& - 51a^3b^3c^2d^e^f^m^3 - 27a^3b^3c^4d^e^g^2l^2 + 9a^3b^3c^4d^e^h^ \\
& ^2k^2 + 9a^2b^3c^5e^2f^g^2j + 9a^2b^3c^5d^2f^h^2j + 9a^2b^3c^5d^2 \\
& e^h^2k + 9a^2b^3c^5d^e^2g^2l - 9a^2b^5c^2d^e^f^2m^2 - 9a^2b^4c^3d^ \\
& ^2e^g^1^2 - 9a^2b^2c^5d^2e^2g^1 - 9a^2b^2c^5d^2e^2f^m - 3a^2b^3c^ \\
& ^3e^f^g^j^3 - 3a^2b^3c^3d^f^h^j^3 + 36a^3b^2c^3d^e^f^1^3 - 27a^ \\
& ^2b^3c^5d^2f^g^j^2 - 18a^2b^4c^2d^e^f^1^3 - 18a^2b^3c^5d^e^2h^2j + \\
& 9a^2b^3c^5d^2e^h^j^2 + 9a^2b^3c^5d^f^2g^2j + 9a^2b^4c^3d^e^2f^1^ \\
& ^2 + 9a^2b^3c^4d^2f^g^j^2 - 9a^2b^2c^5d^2f^2g^j - 9a^2b^2c^5d^2e^f^ \\
& ^2l + 3a^2b^2c^4d^e^h^3j - 18a^2b^3c^5e^2f^g^h^2 + 18a^2b^3c^5d^ \\
& ^2e^f^k^2 + 15a^2b^3c^3d^e^f^k^3 + 9a^2b^3c^5e^f^2g^2h + 9a^2b^3c^ \\
& ^5d^e^2g^j^2 - 9a^2b^3c^4d^2e^f^k^2 + 9a^2b^2c^5d^2e^g^2j - 9a^2b^2 \\
& c^5d^e^2f^2k + 3a^2b^2c^4e^f^g^h^3 + 18a^2b^3c^5d^e^f^2j^2 + 9a^ \\
& ^2b^3c^5d^f^2g^h^2 - 9a^2b^3c^4d^e^f^2j^2 + 9a^2b^2c^5d^2f^g^2h - \\
& 3a^2b^2c^4d^e^f^j^3 + 9a^2b^3c^5d^e^g^2h^2 - 9a^2b^2c^5d^2e^g^h^2 \\
& + 9a^2b^2c^5d^e^2f^h^2 - 36a^6c^2f^j^k^1m^2 + 36a^5c^3f^2j^k^1m \\
& m - 36a^5c^3f^h^2j^1m + 36a^5c^3e^h^j^2l^1m - 18a^6b^3c^j^2k^1m^
\end{aligned}$$

$$\begin{aligned}
& 2 + 9a^6b^2c^2jk^2l^2m + 3a^5b^2c^2j^3k^2l^2m - 36a^5c^3f^2g^2jk^2m \\
& - 36a^5c^3e^2f^2k^2l^2m + 36a^5c^3d^2g^2k^2l^2m - 36a^4c^4d^2g^2k^2l^2m \\
& - 36a^5c^3e^2h^2jk^2l^2 - 36a^5c^3e^2f^2j^2l^2m - 36a^5c^3d^2f^2k^2l^2m \\
& + 36a^4c^4e^2h^2jk^2l^2 + 36a^4c^4e^2f^2j^2l^2m + 9a^6b^2c^2h^2k^2l^2m^2 - \\
& 3a^4b^3c^2h^3k^2l^2m - 36a^5c^3e^2g^2h^2l^2m + 36a^5c^3e^2f^2jk^2m^2 - \\
& 36a^5c^3d^2g^2jk^2m^2 + 36a^5c^3d^2f^2j^2l^2m^2 - 36a^5c^3d^2e^2k^2l^2m^2 + \\
& 36a^4c^4e^2g^2h^2l^2m - 36a^4c^4e^2f^2j^2k^2m - 36a^4c^4d^2f^2j^2l^2m + \\
& 9a^6b^2c^2h^2j^2l^2m^2 + 9a^6b^2c^2g^2k^2l^2m^2 + 9a^5b^2c^2g^2k^3l^2m + 3a^ \\
& ^3b^4c^2g^3k^2l^2m + 36a^5c^3f^2g^2h^2j^2m^2 + 36a^5c^3e^2f^2h^2l^2m^2 - 36a^ \\
& ^4c^4f^2g^2h^2j^2m - 36a^4c^4e^2f^2h^2l^2m - 24a^4b^2c^3f^3k^2l^2m - 12a^ \\
& ^5b^2c^2h^2j^3k^2m - 12a^5b^2c^2g^2j^3l^2m - 3a^2b^5c^2f^3k^2l^2m - 36a^ \\
& ^4c^4e^2g^2h^2k^2l^2 - 36a^4c^4e^2f^2g^2l^2m + 12a^5b^2c^2e^2k^2l^3m - 6a^5 \\
& b^2c^2f^2j^2l^3m + 3a^5b^2c^2h^2jk^2l^3 + 48a^3b^2c^4d^3k^2l^2m + 36a^4c^ \\
& ^4e^2f^2h^2j^2m + 36a^4c^4d^2g^2h^2k^2l^2 - 36a^4c^4d^2f^2h^2k^2m - 36a^4c^ \\
& ^4d^2e^2j^2k^2l^2 + 24a^5b^2c^2d^2k^3l^2m + 21a^2b^5c^2d^3k^2l^2m - 12a^5b^ \\
& b^2c^2g^2jk^3l^2 - 9a^4b^3c^2d^2k^3l^2m + 6a^5b^2c^2f^2jk^3m + 3a^5b^2 \\
& c^2g^2h^2l^3m - 36a^4c^4e^2f^2h^2j^2l^2 - 12a^5b^2c^2g^2h^2k^3m - 3a^5b^2c^ \\
& c^2e^2jk^2m^3 - 3a^5b^2c^2d^2j^2l^2m^3 - 36a^4c^4d^2g^2h^2jk^2 - 36a^4c^4d^ \\
& f^2g^2k^2l^2 - 36a^4c^4d^2e^2h^2k^2l^2 - 36a^4c^4d^2e^2g^2k^2l^2m + 36a^3c^5d^ \\
& ^2g^2h^2jk^2 + 36a^3c^5d^2f^2g^2k^2l^2 - 36a^3c^5d^2f^2g^2j^2m + 36a^3c^5d^ \\
& ^2e^2h^2k^2l^2 + 36a^3c^5d^2e^2g^2k^2m - 36a^3c^5d^2e^2f^2l^2m + 24a^5b^2c^ \\
& e^2h^2l^2m^3 - 24a^3b^2c^4e^3jk^2l^2 - 12a^5b^2c^2f^2h^2k^2m^3 - 12a^5b^2c^ \\
& f^2g^2l^2m^3 - 3a^5b^2c^2g^2h^2j^2m^3 - 3a^4b^3c^2e^2jk^2l^3 - 3a^4b^3c^2e^ \\
& 3jk^2l^2 + 36a^4c^4d^2e^2h^2j^2l^2 + 36a^4c^4d^2e^2g^2k^2l^2 - 36a^3c^5d^2e^ \\
& 2h^2j^2l^2 - 36a^3c^5d^2e^2g^2k^2l^2 - 36a^3c^5d^2e^2f^2k^2m + 24a^4b^2c^3e^ \\
& h^3k^2m - 24a^3b^2c^4e^3g^2l^2m - 18a^2b^4c^3d^3j^2k^2l^2 - 12a^4b^2c^3g^ \\
& h^3j^2l^2 - 12a^4b^2c^3f^2h^3k^2l^2 - 12a^4b^2c^3d^2h^3l^2m + 12a^3b^2c^4e^ \\
& 3h^2k^2m + 6a^4b^2c^3f^2h^3j^2m - 3a^4b^3c^2g^2h^2j^2l^3 - 3a^4b^3c^2f^2h^2k^ \\
& l^3 - 3a^4b^3c^2e^2g^2l^3m - 3a^4b^3c^2d^2h^2l^3m - 3a^4b^3c^2e^3h^2k^2 \\
& m - 3a^4b^3c^2e^3g^2l^2m + 36a^4c^4e^2f^2g^2h^2l^2 - 36a^4c^4d^2e^2f^2j^2m^2 \\
& - 36a^3c^5d^2e^2f^2g^2h^2l^2 - 36a^3c^5d^2f^2g^2j^2k^2 - 36a^3c^5d^2e^2f^2k^2l^ \\
& + 36a^3c^5d^2e^2f^2j^2m - 18a^2b^4c^3d^3h^2k^2m - 9a^2b^4c^3d^3g^2l^2m \\
& + 30a^5b^2c^2d^2g^2k^2m^3 - 30a^4b^3c^2d^2g^2k^2m^3 - 24a^5b^2c^2e^2f^2k^2m^3 \\
& - 24a^5b^2c^2d^2f^2l^2m^3 + 24a^4b^2c^3e^2g^2j^3m + 24a^4b^2c^3d^2h^2j^3m \\
& + 15a^4b^3c^2e^2f^2k^2m^3 + 15a^4b^3c^2d^2f^2l^2m^3 + 12a^5b^2c^2e^2g^2j^2m^3 \\
& + 12a^5b^2c^2d^2h^2j^2m^3 - 12a^4b^2c^3f^2h^2j^3k^2 - 12a^4b^2c^3f^2g^2j^3l^2 \\
& + 6a^4b^3c^2e^2g^2j^2m^3 + 6a^4b^3c^2d^2h^2j^2m^3 + 6a^4b^2c^3e^2h^2j^3l^2 + 3 \\
& 6a^3c^5d^2e^2g^2h^2l^2 - 24a^5b^2c^2f^2g^2h^2m^3 + 15a^4b^3c^2f^2g^2h^2m^3 - 9 \\
& a^2b^6c^2d^2g^2j^2m^2 - 6a^3b^4c^2d^2g^2k^2l^3 - 6a^2b^4c^3e^3f^2j^2m + 3a^ \\
& 3b^4c^2e^2g^2j^2l^3 + 3a^3b^4c^2e^2f^2k^2l^3 + 3a^3b^4c^2d^2h^2j^2l^3 + 3a^3b^ \\
& ^4c^2d^2e^2l^3m + 3a^2b^4c^3e^3h^2jk^2 + 3a^2b^4c^3e^3g^2j^2l^2 + 3a^2b^4c^ \\
& 3e^3f^2k^2l^2 + 3a^2b^4c^3d^2e^3l^2m - 36a^3c^5d^2e^2g^2h^2k^2 + 30a^2b^2c^5 \\
& d^3f^2j^2m - 30a^2b^3c^4d^3f^2j^2m + 24a^3b^2c^4d^2g^3j^2l^2 - 24a^2b^2c^5 \\
& d^3h^2jk^2 - 24a^2b^2c^5d^3f^2k^2l^2 - 24a^2b^2c^5d^3e^2k^2m + 15a^2b^3c^4 \\
& d^3h^2jk^2 + 15a^2b^3c^4d^3f^2k^2l^2 + 15a^2b^3c^4d^3e^2k^2m - 12a^3b^2c^4 \\
& e^2g^3j^2k^2 + 12a^2b^2c^5d^3g^2j^2l^2 + 6a^2b^3c^4d^3g^2j^2l^2 + 3a^3b^4c^2f^ \\
& g^2h^2l^3 + 3a^2b^4c^3e^3g^2h^2m + 24a^3b^2c^4d^2g^3h^2m - 12a^3b^2c^4f^2 \\
& g^3h^2k^2 + 12a^2b^2c^5d^3g^2h^2m - 9a^3b^4c^2d^2e^2j^2m^3 + 6a^3b^2c^4e^2g^ \\
& 3h^2l^2 + 6a^2b^3c^4d^3g^2h^2m + 36a^3c^5d^2e^2f^2g^2k^2 - 36a^2c^6d^2e^2f^ \\
& g^2k^2 - 24a^4b^2c^3d^2e^2j^2l^3 - 18a^3b^4c^2e^2f^2g^2m^3 - 18a^3b^4c^2d^2f^2h^ \\
& 2m^3 - 3a^2b^5c^2d^2e^2j^2l^3 - 3a^2b^3c^4d^2e^3j^2l^2 - 24a^4b^2c^3e^2f^2g^2l^ \\
& ^3 + 24a^3b^2c^4d^2f^2h^3l^2 + 12a^4b^2c^3d^2f^2h^3l^2 - 12a^3b^2c^4e^2g^2h^3 \\
& j^2 - 12a^3b^2c^4e^2f^2h^3k^2 - 12a^3b^2c^4d^2e^2h^3m - 12a^2b^2c^5d^3e^2j^ \\
& 2k^2 + 6a^3b^2c^4d^2g^2h^3k^2 - 3a^2b^5c^2e^2f^2g^2l^3 - 3a^2b^5c^2d^2f^2h^3l^3 \\
& - 3a^2b^3c^4e^3g^2h^2j^2 - 3a^2b^3c^4e^3f^2h^2k^2 - 3a^2b^3c^4e^3f^2g^2l^2 - 3 \\
& a^2b^3c^4d^2e^3h^2m + 24a^2b^2c^5d^3e^2h^2l^2 - 12a^2b^2c^5d^3f^2h^2k^2 - 3a^ \\
& 2b^2c^5d^3g^2h^2j^2 - 3a^2b^2c^5d^3f^2g^2l^2 - 3a^2b^2c^5d^3e^2g^2m + 48a^ \\
& 4b^2c^3d^2e^2f^2m^3 + 24a^2b^2c^5d^2e^2f^3m + 21a^2b^5c^2d^2e^2f^2m^3 - 12a^ \\
& 2b^2c^5e^2f^3g^2j^2 - 12a^2b^2c^5d^2f^3h^2j^2 - 9a^2b^3c^4d^2e^2f^3m + 6a^2b^
\end{aligned}$$

$$\begin{aligned}
& b^5c^5d^3f^3g^*k + 12a^2b^2c^5d^3e^3f^*k - 6a^2b^2c^5d^3e^3g^*k + 3a^2b^2c^5d^3e^3h^*j - 24a^3b^3c^4d^3e^3f^*k^3 - 12a^2b^2c^5d^3e^3g^3j - 3a^2b^5c^2d^3e^3f^*k^3 + 3a^2b^2c^5e^3f^*g^*h - 12a^2b^2c^5d^3f^*g^3h + 9a^2b^2c^5d^3e^3f^3j + 9a^2b^2c^6d^2e^2f^*j + 3a^2b^4c^3d^3e^3f^*j^3 + 9a^2b^2c^6d^2e^2g^*h + 9a^2b^2c^6d^2e^2f^2h - 3a^2b^3c^4d^3e^3f^*h^3 - 18a^2b^2c^6d^2e^2f^*g^2 + 9a^2b^2c^6d^2e^2f^2g^* + 3a^2b^2c^5d^3e^3f^*g^3 - 36a^4b^2c^2e^2k^1^2m - 9a^4b^2c^2g^2j^2k^*m + 45a^3b^3c^2d^2k^2^1m + 36a^4b^2c^2e^2j^1m^2 + 9a^4b^2c^2g^2j^2k^2^1 + 9a^3b^3c^2e^2j^2^1m + 9a^4b^2c^2g^2h^*k^2^m - 9a^4b^2c^2f^2h^*l^2^m - 9a^3b^3c^2f^2j^2k^*l - 45a^3b^3c^2d^2j^*k^*m^2 + 36a^3b^2c^3d^2j^2k^*m + 18a^4b^2c^2f^2h^*k^*m^2 + 18a^4b^2c^2f^2g^*l^*m^2 - 9a^4b^2c^2g^2h^*k^*l^2 - 9a^4b^2c^2f^*h^2k^2^m - 9a^4b^2c^2f^*g^2l^2^m - 9a^4b^2c^2e^*j^2k^2^1 - 9a^4b^2c^2d^*j^2k^2^m - 9a^3b^3c^2e^2j^*k^*l^2 - 9a^2b^4c^2d^2j^2k^*m - 36a^3b^2c^3d^2j^*k^2^1 - 27a^3b^2c^3e^2h^2k^*m + 9a^4b^2c^2g^*h^2j^*l^2 + 9a^4b^2c^2f^*h^2k^*l^2 - 9a^4b^2c^2f^*g^2k^*m^2 - 9a^4b^2c^2e^*g^2l^*m^2 - 9a^4b^2c^2d^*j^2k^*l^2 + 9a^4b^2c^2d^*h^2l^2^m - 9a^3b^3c^2e^2g^*l^2^m + 9a^2b^4c^2e^2h^2k^*m + 9a^2b^4c^2d^2j^*k^2^1 - 45a^3b^3c^2e^2h^*j^*m^2 + 36a^4b^2c^2e^*h^2j^*m^2 + 36a^3b^2c^3e^2h^*j^2^m - 36a^3b^2c^3d^2h^*k^2^m + 36a^2b^3c^3d^2g^2^1m - 9a^4b^2c^2f^*h^*j^2^1^2 - 9a^4b^2c^2d^*h^2k^*m^2 + 9a^3b^3c^2f^2h^*j^*l^2 + 9a^3b^3c^2e^2f^*l^*m^2 + 9a^3b^3c^2e^*h^2j^2^m - 9a^3b^2c^3f^2h^2j^*l - 9a^2b^4c^2e^2h^*j^2^m + 9a^2b^4c^2d^2h^*k^2^m + 36a^3b^2c^3d^2h^*k^*l^2 - 27a^4b^2c^2e^*g^*j^2^m^2 - 27a^4b^2c^2d^*h^*j^2^m^2 - 9a^4b^2c^2d^*h^*k^2^1^2 - 9a^3b^3c^2e^*f^2k^*m^2 - 9a^3b^3c^2d^*f^2l^*m^2 + 9a^3b^2c^3f^2h^*j^2k^* + 9a^3b^2c^3f^2g^*j^2^1 - 9a^3b^2c^3e^2g^*k^2^1 - 9a^3b^2c^3e^2f^*k^2^m - 9a^3b^2c^3d^2f^*l^2^m - 9a^2b^4c^2d^2h^*k^*l^2 + 9a^2b^3c^3d^2h^2k^*l - 81a^3b^2c^3d^2g^*j^*m^2 + 54a^2b^4c^2d^2g^*j^*m^2 - 45a^3b^3c^2d^*g^2j^*m^2 - 45a^2b^3c^3d^2g^*j^2^m + 36a^3b^2c^3d^2f^*k^*m^2 + 36a^3b^2c^3d^*g^2j^2^m + 18a^3b^2c^3e^2g^*j^*l^2 + 18a^3b^2c^3e^2f^*k^*l^2 + 18a^3b^2c^3d^3e^2l^2^m - 9a^4b^2c^2d^*f^*k^2^m^2 - 9a^3b^3c^2f^2g^*h^*m^2 - 9a^3b^3c^2d^*h^2j^*l^2 - 9a^3b^2c^3f^2g^*j^*k^2 - 9a^3b^2c^3d^2e^*l^*m^2 - 9a^3b^2c^3f^*g^2h^2^m - 9a^3b^2c^3e^*g^2j^2^1 - 9a^3b^2c^3e^*f^2k^2^1 - 9a^2b^4c^2d^2f^*k^*m^2 - 9a^2b^4c^2d^*g^2j^2^m - 9a^2b^3c^3e^2h^2j^*k - 9a^2b^2c^4d^2f^2k^*m - 27a^2b^2c^4d^2g^2j^*l - 9a^3b^3c^2f^*g^*h^2^1^2 + 9a^3b^2c^3e^*g^2j^*k^2 - 9a^3b^2c^3e^*f^2j^*l^2 - 9a^3b^2c^3d^*h^2j^2^k - 9a^3b^2c^3d^*f^2k^*l^2 - 9a^3b^2c^3d^3e^2k^*m^2 - 9a^2b^3c^3e^2g^*h^2^m - 9a^2b^3c^3d^2h^*j^*k^2 - 9a^2b^3c^3d^2f^*k^2^1 - 9a^2b^3c^3d^2e^*k^2^m + 36a^3b^3c^2d^3e^*j^2^m^2 + 36a^3b^2c^3e^2f^*h^*m^2 - 27a^2b^2c^4d^2g^2h^*m + 9a^3b^3c^2e^*f^*h^2^m^2 + 9a^3b^2c^3f^*g^2h^*k^2 - 9a^2b^4c^2e^2f^*h^*m^2 + 9a^2b^3c^3d^2e^*k^*l^2 - 9a^2b^2c^4e^2f^2h^*m - 45a^2b^3c^3d^2g^*h^*l^2 - 36a^3b^2c^3e^*f^2g^*m^2 + 36a^3b^2c^3d^*g^2h^*l^2 - 36a^3b^2c^3d^*f^2h^*m^2 + 36a^2b^2c^4d^2g^*h^2^1 - 9a^3b^2c^3e^*g^*h^2k^2 + 9a^2b^4c^2e^*f^2g^*m^2 - 9a^2b^4c^2d^*g^2h^*l^2 + 9a^2b^4c^2d^*f^2h^*m^2 + 9a^2b^3c^3e^2g^*h^*k^2 + 9a^2b^3c^3d^*g^2h^2^1 - 9a^2b^3c^3d^3e^2j^*l^2 - 9a^2b^2c^4e^2g^2h^*k - 9a^2b^2c^4e^2f^*g^2j^* + 9a^2b^2c^4e^2f^*h^2k - 9a^2b^2c^4e^*f^2g^2^1 - 9a^2b^2c^4d^*f^2g^2^m - 9a^2b^2c^4d^3e^2j^2k + 9a^2b^2c^4d^3e^2h^2^m + 18a^4b^2c^2f^2j^2^m^2 + 18a^3b^2c^3e^2h^2^1^2 - 9a^2b^4c^2e^2h^2^1^2 + 18a^2b^2c^4d^2g^2k^2 + 12a^6c^2j^3k^*l^*m + 3a^6b^2j^*k^*l^*m^3 - 12a^6c^2g^*k^3^1m - 12a^5c^3g^3k^*l^*m - 24a^6c^2e^*k^*l^3m - 24a^4c^4e^3k^*l^*m + 12a^6c^2h^*j^*k^*l^3 + 12a^6c^2f^*j^*l^3m + 12a^5c^3h^3j^*k^*l - 3a^5b^3h^*j^*k^*m^3 - 3a^5b^3g^*j^*l^*m^3 - 3a^5b^3f^*k^*l^*m^3 + 12a^6c^2g^
\end{aligned}$$

$$\begin{aligned}
& *h^1^3m + 12a^5c^3g^h^3l^1m - 12a^6c^2e^j^k^m^3 - 12a^6c^2d^j^1m \\
& ^3 - 12a^5c^3f^j^3k^1 - 12a^5c^3e^j^3k^m - 12a^5c^3d^j^3l^1m - 1 \\
& 2a^4c^4f^3j^k^1 + 24a^6c^2f^h^k^m^3 + 24a^6c^2f^g^1m^3 + 24a^4c \\
& ^4f^3h^k^m + 24a^4c^4f^3g^1m - 12a^6c^2g^h^j^m^3 - 12a^6c^2e^ \\
& h^1m^3 - 12a^5c^3g^h^j^3m + 3b^6c^2d^3j^k^1 + 3a^4b^4e^j^k^m^3 \\
& + 3a^4b^4d^j^1m^3 - 24a^5c^3d^j^k^3l^1 - 24a^3c^5d^3j^k^1 - 6a^4 \\
& *b^4e^h^1m^3 + 3b^6c^2d^3h^k^m + 3b^6c^2d^3g^1m + 3a^6b^c^j^2* \\
& l^3m + 3a^4b^4g^h^j^m^3 + 3a^4b^4f^h^k^m^3 + 3a^4b^4f^g^1m^3 - 2 \\
& 4a^5c^3d^h^k^3m - 24a^3c^5d^3h^k^m + 12a^5c^3g^h^j^k^3 + 12a^5c \\
& ^3f^g^k^3l^1 + 12a^5c^3e^h^k^3l^1 + 12a^5c^3e^g^k^3m + 12a^4c^4g^ \\
& 3h^j^k + 12a^4c^4f^g^3k^1 + 12a^4c^4f^g^3j^m + 12a^4c^4e^g^3k^ \\
& m + 12a^4c^4d^g^3l^1m + 12a^3c^5d^3g^1m + 3a^6b^c^j^k^3m^2 - 9a \\
& ^6b^c^h^2l^1m^3 - 3a^5b^c^2j^4k^1 + 24a^5c^3e^g^j^1l^3 + 24a^5c^3* \\
& e^f^k^1l^3 + 24a^5c^3d^e^1l^3m + 24a^3c^5e^3g^j^1 + 24a^3c^5e^3f^* \\
& k^1 + 24a^3c^5d^e^3l^1m - 12a^5c^3d^h^j^1l^3 - 12a^5c^3d^g^k^1l^3 - \\
& 12a^4c^4e^h^3j^k - 12a^4c^4d^h^3j^1 - 12a^3c^5e^3h^j^k - 12a^3 \\
& *c^5e^3f^j^m + 9a^4b^c^3g^4l^1m + 6b^5c^3d^3f^j^m + 6a^3b^5d^g^* \\
& k^m^3 - 3b^5c^3d^3h^j^k - 3b^5c^3d^3g^j^1 - 3b^5c^3d^3f^k^1 - 3 \\
& *b^5c^3d^3e^k^m - 3a^3b^5e^g^j^m^3 - 3a^3b^5e^f^k^m^3 - 3a^3b^5* \\
& d^h^j^m^3 - 3a^3b^5d^f^1m^3 - 12a^5c^3f^g^h^1l^3 - 12a^4c^4f^g^h^3 \\
& *l - 12a^4c^4e^g^h^3m - 12a^3c^5e^3g^h^m - 9a^6b^c^g^k^2m^3 - 3* \\
& b^5c^3d^3g^h^m + 3a^6b^c^f^1l^3m^2 - 3a^3b^5f^g^h^m^3 + 12a^5c^3* \\
& d^e^j^m^3 + 12a^4c^4e^f^j^3k + 12a^4c^4d^g^j^3k + 12a^4c^4d^f^j^ \\
& 3l^1 + 12a^4c^4d^e^j^3m + 12a^3c^5e^f^3j^k + 12a^3c^5d^f^3j^1 - \\
& 9a^6b^c^e^1l^2m^3 - 24a^5c^3e^f^g^m^3 - 24a^5c^3d^f^h^m^3 - 24a^3c \\
& ^5e^f^3g^m - 24a^3c^5d^f^3h^m - 15a^2b^c^5d^4l^1m + 15a^b^3c^4* \\
& d^4l^1m + 12a^4c^4f^g^h^j^3 + 12a^3c^5f^3g^h^j + 12a^3c^5e^f^3h^* \\
& l + 9a^3b^c^4f^4k^1 - 9a^3b^c^4f^4j^m + 3b^4c^4d^3e^j^k + 3a^5 \\
& *b^2c^g^j^1l^4 + 3a^5b^2c^f^k^1l^4 + 3a^5b^2c^d^1l^4m - 3a^5b^c^2h^* \\
& j^k^4 - 3a^5b^c^2f^k^4l^1 - 3a^5b^c^2e^k^4m - 3a^4b^c^3h^4j^k + 3 \\
& *a^2b^6d^e^j^m^3 + 3a^b^4c^3e^4k^m + 24a^4c^4d^e^j^k^3 + 24a^2c^ \\
& 6d^3e^j^k - 6b^4c^4d^3e^h^1 + 3b^4c^4d^3g^h^j + 3b^4c^4d^3f^h \\
& *k + 3b^4c^4d^3f^g^1 + 3b^4c^4d^3e^g^m - 3a^4b^c^3g^h^4m + 3a^ \\
& 2b^6e^f^g^m^3 + 3a^2b^6d^f^h^m^3 - 3a^b^6c^e^3j^m^2 + 24a^4c^4d^* \\
& f^h^k^3 + 24a^2c^6d^3f^h^k - 12a^4c^4e^f^g^k^3 - 12a^3c^5e^f^g^3* \\
& k - 12a^3c^5d^g^3h^j - 12a^3c^5d^f^g^3l^1 - 12a^3c^5d^e^g^3m - 12 \\
& *a^2c^6d^3g^h^j - 12a^2c^6d^3f^g^1 - 12a^2c^6d^3e^h^1 - 12a^2c \\
& ^6d^3e^g^m - 12a^b^2c^5d^4j^1 + 9a^5b^c^2d^j^1l^4 + 9a^2b^c^5e^4 \\
& *j^k - 3a^4b^3c^d^j^1l^4 - 3a^4b^c^3e^j^4k - 3a^4b^c^3d^j^4l^1 - 3* \\
& a^b^3c^4e^4j^k - 24a^4c^4d^e^f^1l^3 - 24a^2c^6d^e^3f^1 - 12a^5b^ \\
& 2c^e^g^m^4 - 12a^5b^2c^d^h^m^4 + 12a^3c^5d^e^h^3j + 12a^2c^6d^e^ \\
& 3h^j + 12a^2c^6d^e^3g^k - 12a^b^2c^5d^4h^m + 9a^5b^c^2f^g^1l^4 - \\
& 9a^5b^c^2e^h^1l^4 - 9a^2b^c^5e^4h^1 + 9a^2b^c^5e^4g^m + 6a^4b^ \\
& 3c^e^h^1l^4 + 6a^b^3c^4e^4h^1 - 3b^3c^5d^3e^g^j - 3b^3c^5d^3e^f \\
& *k - 3a^4b^3c^f^g^1l^4 - 3a^4b^c^3g^h^j^4 - 3a^3b^c^4g^4h^j - 3a^ \\
& 3b^c^4f^g^4l^1 - 3a^3b^c^4e^g^4m - 3a^b^3c^4e^4g^m + 12a^3c^5e^* \\
& f^g^h^3 + 12a^2c^6e^3f^g^h - 3b^3c^5d^3f^g^h - 12a^3c^5d^e^f^j^3 \\
& - 12a^2c^6d^e^f^3j - 3a^b^6c^d^2g^1l^3 - 15a^5b^c^2d^e^m^4 + 15a \\
& ^4b^3c^d^e^m^4 + 9a^4b^c^3e^f^k^4 - 9a^4b^c^3d^g^k^4 + 3a^3b^4c^* \\
& d^f^1l^4 - 3a^3b^c^4d^h^4j - 3a^2b^c^5e^f^4k - 3a^2b^c^5d^f^4l^1 + \\
& 3a^b^2c^5e^4g^j + 3a^b^2c^5e^4f^k + 3a^b^2c^5d^e^4m - 9a^b^c^ \\
& 6d^3e^2l^1 + 3b^2c^6d^3e^f^g - 3a^3b^c^4f^g^h^4 - 3a^2b^c^5f^4g \\
& *h + 12a^2c^6d^e^f^g^3 - 9a^b^c^6d^3f^2j + 3a^b^c^6d^2e^3k + 9a \\
& ^3b^c^4d^e^j^4 - 3a^2b^c^5e^f^g^4 - 9a^b^c^6d^3e^h^2 + 3a^b^c^6d^ \\
& 2f^3g + 3a^b^c^6d^e^3g^2 - 3a^4b^2c^2h^3j^2m + 12a^4b^2c^2g^ \\
& 3j^m^2 - 3a^4b^2c^2f^2k^3m + 3a^3b^3c^2g^3j^2m - 9a^3b^4c^f \\
& ^2j^2m^2 + 9a^3b^3c^2f^2j^3m - 6a^3b^3c^2f^3j^m^2 - 6a^3b^2* \\
& c^3f^3j^2m - 3a^2b^4c^2f^3j^2m - 27a^4b^2c^2d^2k^m^3 - 27a^3 \\
& *b^2c^3e^3j^m^2 + 18a^2b^4c^2e^3j^m^2 - 15a^2b^3c^3e^3j^2m +
\end{aligned}$$

$$\begin{aligned}
& 12a^4b^2c^2f^2j^1l^3 + 3a^3b^3c^2e^2k^3l + 42a^2b^3c^3d^3j^m \\
& ^2 - 27a^2b^2c^4d^3j^2m - 15a^3b^3c^2d^2k^1l^3 - 3a^4b^2c^2f^* \\
& j^2k^3 - 3a^4b^2c^2f^*h^3m^2 + 3a^3b^3c^2g^3h^1l^2 + 3a^3b^3c^2 \\
& *f^2j^*k^3 - 3a^3b^2c^3g^3h^2l - 3a^3b^2c^3e^2j^3l - 27a^4b^2 \\
& *c^2e^2h^m^3 + 12a^3b^2c^3f^3h^1l^2 + 3a^3b^3c^2f^*g^3m^2 - 3a^2 \\
& *b^4c^2f^3h^1l^2 + 3a^2b^3c^3f^3h^2l + 9a^3b^3c^2e^*h^3l^2 + 9a \\
& a^2b^3c^3e^2h^3l - 6a^4b^2c^2e^*h^2l^3 - 6a^3b^3c^2e^2h^1l^3 - \\
& 6a^2b^3c^3e^3h^1l^2 - 6a^2b^2c^4e^3h^2l + 3a^2b^3c^3d^2j^3* \\
& k + 42a^3b^3c^2d^2g^m^3 - 27a^4b^2c^2d^*g^2m^3 - 27a^2b^2c^4d^ \\
& 3h^1l^2 - 15a^2b^3c^3e^3f^m^2 + 12a^3b^2c^3e^2h^*k^3 + 3a^3b^3c \\
& ^2e^*h^2k^3 - 3a^3b^2c^3e^*g^3l^2 - 3a^2b^4c^2e^2h^*k^3 + 3a^2b^ \\
& 3c^3f^3g^*k^2 - 3a^2b^2c^4f^3g^2k - 27a^3b^2c^3d^2g^*l^3 - 27a \\
& ^2b^2c^4d^3f^m^2 + 18a^2b^4c^2d^2g^*l^3 - 15a^3b^3c^2d^*g^2l^3 \\
& + 12a^2b^2c^4e^3g^*k^2 - 3a^3b^2c^3e^*h^2j^3 + 3a^2b^3c^3e^2h^* \\
& j^3 + 3a^2b^3c^3e^*f^3l^2 - 3a^2b^2c^4d^2h^3k + 9a^2b^3c^3d^*g \\
& ^3k^2 - 9a^*b^4c^3d^2g^2k^2 - 6a^3b^2c^3d^*g^2k^3 - 6a^2b^3c^3* \\
& d^2g^*k^3 - 3a^2b^4c^2d^*g^2k^3 + 12a^2b^2c^4d^2g^*j^3 + 3a^2b^3* \\
& c^3d^*g^2j^3 - 3a^2b^2c^4d^*f^3k^2 - 3a^2b^2c^4d^*g^2h^3 + 12a^7* \\
& c^*j^*k^1m^3 - 3b^7c^*d^3k^1m - 3a^6b^*c^*k^4l^1m - 3a^6b^*c^*j^*k^1l^4 - 3 \\
& *a^6b^*c^*g^1l^4m - 9a^6b^*c^*f^*j^m^4 + 9a^6b^*c^*e^*k^m^4 + 9a^6b^*c^*d^1m^ \\
& 4 + 9a^6b^*c^*g^*h^m^4 - 3a^*b^7d^*e^*f^m^3 + 9a^*b^*c^6d^4h^*j - 9a^*b^*c^6d \\
& ^4g^*k + 9a^*b^*c^6d^4f^*l + 9a^*b^*c^6d^4e^*m + 12a^*c^7d^3e^*f^*g - 3a^*b \\
& *c^6d^*e^4j - 3a^*b^*c^6e^4f^*g - 3a^*b^*c^6d^*e^*f^4 + 18a^6c^2h^2j^1m \\
& ^2 - 18a^6c^2h^*j^2l^2m + 18a^6c^2f^*k^2l^2m + 36a^5c^3e^2k^1l^2 \\
& *m + 18a^6c^2g^*j^*k^2m^2 + 18a^6c^2e^*k^2l^1m^2 + 18a^5c^3g^2j^2k \\
& *m + 18a^6c^2e^*j^1l^2m^2 + 18a^6c^2d^*k^1l^2m^2 - 18a^5c^3e^2j^1m \\
& ^2 - 18a^6c^2f^*h^1l^2m^2 + 18a^5c^3f^2h^1l^2m - 36a^5c^3f^2h^*k^m \\
& ^2 - 36a^5c^3f^2g^*l^1m^2 + 18a^5c^3g^2h^*k^1l^2 - 18a^5c^3g^*h^2k^2 \\
& *l + 18a^5c^3f^*h^2k^2m + 18a^5c^3f^*g^2l^2m + 18a^5c^3e^*j^2k^2 \\
& *l + 18a^5c^3d^*j^2k^2m - 18a^4c^4d^2j^2k^*m + 36a^4c^4d^2j^*k^2 \\
& *l + 18a^5c^3f^*g^2k^*m^2 + 18a^5c^3e^*g^2l^1m^2 + 18a^5c^3d^*j^2k^*l \\
& ^2 - 18a^4c^4f^2g^2k^*m + 36a^4c^4d^2h^*k^2m + 18a^5c^3f^*h^*j^2l \\
& ^2 - 18a^5c^3e^*h^2j^*m^2 + 18a^5c^3d^*h^2k^*m^2 + 18a^4c^4f^2h^2j \\
& *l - 18a^4c^4e^2h^*j^2m - 18a^5c^3e^*g^*k^2l^2 + 18a^5c^3d^*h^*k^2l \\
& ^2 + 18a^4c^4e^2g^*k^2l + 18a^4c^4e^2f^*k^2m - 18a^4c^4d^2h^*k^*l \\
& ^2 + 18a^4c^4d^2f^*l^2m - 36a^4c^4e^2g^*j^1l^2 - 36a^4c^4e^2f^*k^*l \\
& ^2 - 36a^4c^4d^*e^2l^2m + 18a^5c^3d^*f^*k^2m^2 + 18a^4c^4f^2g^*j^*k \\
& ^2 + 18a^4c^4d^2g^*j^*m^2 - 18a^4c^4d^2f^*k^*m^2 + 18a^4c^4d^2e^*l^m \\
& ^2 - 18a^4c^4f^*g^2j^2k + 18a^4c^4f^*g^2h^2m + 18a^4c^4e^*g^2j^2 \\
& *l + 18a^4c^4e^*f^2k^2l - 18a^4c^4d^*g^2j^2m - 18a^4c^4d^*f^2k^2 \\
& *m + 18a^3c^5d^2f^2k^*m + 3a^4b^2c^2h^4k^*m - 3a^3b^3c^2g^4l^1m \\
& + 18a^4c^4e^*f^2j^1l^2 + 18a^4c^4d^*h^2j^2k + 18a^4c^4d^*f^2k^1l^2 \\
& + 18a^4c^4d^*e^2k^*m^2 - 18a^3c^5e^2f^2j^*l + 12a^5b^2c^*g^2k^*m^3 \\
& - 9a^5b^*c^2h^3j^*m^2 - 9a^5b^*c^2f^2l^3m + 3a^5b^*c^2h^2k^3l + \\
& 3a^4b^3c^*h^3j^*m^2 + 3a^4b^3c^*f^2l^3m - 18a^4c^4e^2f^*h^m^2 + 18 \\
& *a^3c^5e^2f^2h^*m + 15a^5b^*c^2e^2l^1m^3 - 15a^4b^3c^*e^2l^1m^3 - 9a \\
& a^5b^*c^2g^2k^1l^3 - 9a^4b^*c^3g^3j^2m - 3a^5b^2c^*g^*k^2l^3 + 3a^5 \\
& *b^*c^2h^*j^3l^2 + 3a^4b^3c^*g^2k^1l^3 - 3a^3b^4c^*g^3j^*m^2 + 36a^4c \\
& ^4e^*f^2g^*m^2 + 36a^4c^4d^*f^2h^*m^2 + 18a^4c^4e^*g^*h^2k^2 - 18a^4c \\
& ^4d^*g^2h^1l^2 - 18a^4c^4d^*f^*j^2k^2 + 18a^3c^5e^2g^2h^*k + 18a^3c \\
& ^5e^2f^*g^2m - 18a^3c^5d^2g^*h^2l + 18a^3c^5d^2f^*j^2k + 18a^3c \\
& ^5d^2f^*h^2m + 18a^3c^5d^2e^*j^2l - 12a^2b^2c^4e^4k^*m + 9a^4b^ \\
& 3c^*f^*j^3m^2 - 9a^4b^2c^2f^*j^4m - 6a^5b^2c^*f^*j^2m^3 + 6a^5b^*c^2 \\
& *f^2j^*m^3 - 6a^5b^*c^2f^*j^3m^2 - 6a^4b^3c^*f^2j^*m^3 + 6a^4b^*c^3f^ \\
& 3j^*m^2 - 6a^4b^*c^3f^2j^3m + 6a^2b^3c^3f^4j^*m + 3a^3b^2c^3g^4 \\
& *j^1 + 3a^2b^5c^*f^3j^*m^2 - 3a^2b^3c^3f^4k^*l - 36a^3c^5d^2e^*j^*k \\
& ^2 - 18a^4c^4d^*f^*g^2m^2 + 18a^3c^5e^*f^2g^2l + 18a^3c^5d^*f^2g^2 \\
& *m + 18a^3c^5d^*e^2j^2k + 18a^3b^4c^*d^2k^*m^3 + 15a^3b^*c^4e^3j^2 \\
& *m + 12a^5b^2c^*d^*k^2m^3 - 9a^5b^*c^2f^*j^2l^3 - 9a^4b^*c^3e^2k^3l
\end{aligned}$$

$$\begin{aligned}
& + 3a^5b^2c^2ek^3l^2 + 3a^4b^3c^2f^2j^2l^3 + 3a^4b^3c^2g^2j^3k - \\
& 3a^3b^4c^2f^2j^2l^3 + 3a^3b^2c^3g^4h^m + 3a^2b^5c^2e^3j^2m - 36a^3c^5d^2f^2h^k^2 - 21a^3b^3c^4d^3j^2m^2 - 21a^2b^5c^2d^3j^2m^2 + 18a^3c^5e^2f^2h^j^2 - 18a^3c^5e^2f^2h^2j + 18a^3c^5d^2f^2h^2k + 18a^2b^4c^3d^3j^2m + 15a^4b^3c^3d^2k^2l^3 - 9a^5b^3c^2d^2k^2l^3 - 9a^4b^3c^3g^3h^2l^2 - 9a^4b^3c^3f^2j^2k^3 + 3a^4b^3c^3d^2k^2l^3 + 3a^2b^5c^2d^2k^2l^3 - 18a^3c^5d^2e^2g^2l^2 + 18a^3c^5d^2e^2h^2k^2 + 18a^3b^4c^2e^2h^2m^3 - 18a^2c^6d^2e^2h^2k + 18a^2c^6d^2e^2g^2l + 18a^2c^6d^2e^2f^2m + 15a^5b^3c^2e^2h^2m^3 - 15a^4b^3c^2e^2h^2m^3 - 9a^4b^3c^3f^2g^3m^2 - 9a^3b^3c^4f^3h^2l + 3a^4b^2c^2e^2j^2k^4 + 3a^4b^3c^3g^2h^3k^2 + 3a^3b^3c^4f^2g^3m + 36a^3c^5d^2e^2f^2l^2 + 18a^3c^5d^2f^2g^2j^2 + 18a^2c^6d^2f^2g^2j + 18a^2c^6d^2e^2f^2l - 9a^3b^2c^3e^2h^4l - 9a^3b^3c^4d^2j^3k + 6a^4b^3c^3e^2h^2l^3 - 6a^4b^3c^3e^2h^3l^2 + 6a^3b^3c^4e^3h^2l^2 - 6a^3b^3c^4e^2h^3l + 3a^4b^2c^2f^2h^k^4 + 3a^4b^3c^3d^2j^3k^2 - 3a^3b^4c^2e^2h^2l^3 + 3a^2b^5c^2e^2h^2l^3 + 3a^2b^2c^4f^4h^2k + 3a^2b^2c^4f^4g^2l + 3a^2b^5c^2e^3h^2l^2 - 3a^2b^4c^3e^3h^2l - 21a^4b^3c^3d^2g^2m^3 - 21a^2b^5c^2d^2g^2m^3 + 18a^3b^4c^2d^2g^2m^3 + 18a^2c^6d^2e^2f^2k + 18a^2b^4c^3d^3h^2l^2 + 15a^3b^3c^4e^3f^2m^2 + 15a^2b^3c^5d^3h^2l - 15a^2b^3c^4d^3h^2l - 9a^4b^3c^3e^2h^2k^3 - 9a^3b^3c^4f^3g^2k^2 - 9a^2b^3c^5e^3f^2m + 3a^3b^3c^4f^2h^3j + 3a^2b^5c^2e^3f^2m^2 + 3a^2b^3c^4e^3f^2m + 18a^2b^4c^3d^3f^2m^2 + 15a^4b^3c^3d^2g^2l^3 + 12a^2b^2c^5d^3f^2m - 9a^3b^3c^4e^2h^2j^3 - 9a^3b^3c^4e^2f^3l^2 - 9a^2b^3c^5e^3g^2k + 3a^3b^3c^4f^2g^3j^2 + 3a^2b^5c^2d^2g^2l^3 + 3a^2b^3c^5e^2f^3l - 3a^2b^4c^3e^3g^2k^2 + 3a^2b^3c^4e^3g^2k + 18a^2c^6d^2e^2g^2h^2 - 18a^2c^6d^2e^2g^2h - 12a^4b^2c^2d^2f^2l^4 - 9a^2b^2c^4d^2g^4k + 9a^2b^3c^4d^2g^3k + 6a^3b^3c^2d^2g^2k^4 + 6a^3b^3c^4d^2g^2k^3 - 6a^3b^3c^4d^2g^3k^2 + 6a^2b^3c^5d^3g^2k^2 - 6a^2b^3c^5d^2g^3k - 6a^2b^3c^4d^3g^2k^2 - 6a^2b^2c^5d^3g^2k - 3a^3b^3c^2e^2f^2k^4 + 3a^3b^2c^3e^2g^2j^4 + 3a^3b^2c^3d^2h^2j^4 + 3a^2b^5c^2d^2g^2k^3 + 15a^2b^3c^5d^3e^2l^2 - 15a^2b^3c^4d^3e^2l^2 - 9a^3b^3c^4d^2g^2j^3 - 9a^2b^3c^5e^3f^2j^2 - 3a^2b^4c^3d^2g^2j^3 + 3a^2b^3c^4e^3f^2j^2 - 3a^2b^2c^5e^3f^2j + 12a^2b^2c^5d^3f^2j^2 - 9a^2b^3c^5d^2e^3k^2 + 3a^2b^3c^5e^2g^3h + 3a^2b^3c^4d^2e^3k^2 - 9a^2b^3c^5d^2g^2h^3 - 3a^2b^3c^3d^2e^2j^4 + 3a^2b^3c^5e^2f^3h^2 + 3a^2b^3c^4d^2g^2h^3 + 3a^2b^2c^4d^2f^2h^4 - 9a^7c^2k^2l^2m^2 - 6a^6c^2j^2k^3m - 3a^6b^2h^2l^2m^3 + 3a^5b^3h^2l^2m^3 - 6a^6c^2g^2k^2m^3 - 6a^6c^2h^2k^3l^2 + 6a^5c^3h^3j^2m + 6a^6c^2g^2k^2l^3 - 6a^6c^2f^2k^3m^2 - 6a^5c^3h^2j^3l - 6a^5c^3g^3j^2m^2 + 6a^5c^3f^2k^3m + 3a^5b^3g^2k^2m^3 - 3a^4b^4g^2k^2m^3 + 12a^6c^2f^2j^2m^3 + 12a^4c^4f^3j^2m + 3a^5b^3e^2l^2m^3 + 3a^3b^5e^2l^2m^3 - 6a^6c^2d^2k^2m^3 - 6a^5c^3f^2j^2l^3 + 6a^5c^3d^2k^2m^3 - 6a^5c^3g^2j^3k^2 + 6a^4c^4e^3j^2m^2 - 3b^6c^2d^3j^2m - 3a^4b^4f^2j^2m^3 + 3a^3b^5f^2j^2m^3 + 6a^5c^3f^2j^2k^3 + 6a^5c^3f^2h^3m^2 - 6a^5c^3e^2j^3l^2 + 6a^4c^4g^3h^2l - 6a^4c^4f^2h^3m + 6a^4c^4e^2j^3l + 6a^3c^5d^3j^2m - 3a^4b^4d^2k^2m^3 - 3a^2b^6d^2k^2m^3 + 6a^5c^3e^2h^2m^3 - 6a^4c^4g^2h^3k - 6a^4c^4f^3h^2l + 12a^5c^3e^2h^2l^3 + 12a^3c^5e^3h^2l - 3b^6c^2d^3h^2l^2 + 3b^5c^3d^3h^2l - 3a^5b^2c^2j^4m^2 + 3a^3b^5e^2h^2m^3 - 3a^2b^6e^2h^2m^3 + 6a^5c^3d^2g^2m^3 - 6a^4c^4e^2h^2k^3 - 6a^4c^4f^2h^3j^2 + 6a^4c^4e^2g^3l^2 + 6a^3c^5f^3g^2k - 6a^3c^5e^2g^3l + 6a^3c^5d^3h^2l^2 - 3b^6c^2d^3f^2m^2 - 3b^4c^4d^3f^2m + 6a^4c^4d^2g^2l^3 + 6a^4c^4e^2h^2j^3 - 6a^4c^4d^3h^3k^2 - 6a^3c^5f^2g^3j - 6a^3c^5e^3g^2k^2 + 6a^3c^5d^3f^2m^2 + 6a^3c^5d^2h^3k - 6a^2c^6d^3f^2m + 4a^5b^2c^2h^3m^3 + 3b^5c^3d^3g^2k^2 - 3b^4c^4d^3g^2k - 3a^2b^6d^2g^2m^3 + a^5b^2c^2j^3k^3 + 12a^4c^4d^2g^2k^3 + 12a^2c^6d^3g^2k + 6a^5b^2c^2h^3l^3 + 5a^5b^2c^2g^3m^3 - 5a^4b^3c^2g^3m^3 + 3b^5c^3d^3e^2l^2 + 3b^3c^5d^3e^2l - 3a^5b^2c^2h^2l^4 + a^4b^3c^2h^3l^3 + 12a^5b^2c^2f^2m^4 - 6a^3c^5d^2g^2j^3 + 6a^3c^5d^2f^3k^2 + 6a^3b^4c^2f^3m^3 + 6a^2c^6e^3f^2j - 6a^2c^6d^2f^3k - 3b^4c^4
\end{aligned}$$

$$\begin{aligned}
& d^3*f*j^2 + 3*b^3*c^5*d^3*f^2*j - 3*a^2*b^2*c^4*f^5*m - 7*a^4*b*c^3*e^3*m^3 \\
& - 7*a^2*b^5*c*e^3*m^3 + 6*a^4*b*c^3*g^3*k^3 - 6*a^3*c^5*e*g^3*h^2 - 6*a^2* \\
& c^6*d^3*f*j^2 + 5*a^4*b*c^3*f^3*1^3 + a^4*b*c^3*h^3*j^3 + a^2*b^5*c*f^3*1^3 \\
& + 6*a^3*c^5*d*g^2*h^3 - 6*a^2*c^6*e^2*f^3*h - 3*a^3*b^4*c*e^2*1^4 - 3*a*b^ \\
& 4*c^3*e^4*1^2 - 7*a^3*b*c^4*d^3*1^3 - 7*a*b^5*c^2*d^3*1^3 + 6*a^3*b*c^4*f^3 \\
& *j^3 + 5*a^3*b*c^4*e^3*k^3 + 3*b^3*c^5*d^3*e*h^2 - 3*b^2*c^6*d^3*e^2*h + a* \\
& b^5*c^2*e^3*k^3 + 12*a*b^2*c^5*d^4*k^2 - 6*a^2*c^6*d*f^3*g^2 + 6*a*b^4*c^3* \\
& d^3*k^3 - 3*a^4*b^2*c^2*d*k^5 + a^3*b*c^4*g^3*h^3 + 5*a^2*b*c^5*d^3*j^3 - 5 \\
& *a*b^3*c^4*d^3*j^3 - 9*a*c^7*d^2*e^2*f^2 + 6*a^2*b*c^5*e^3*h^3 - 3*a*b^2*c^ \\
& 5*e^4*h^2 + a^2*b*c^5*f^3*g^3 + a*b^3*c^4*e^3*h^3 + 4*a*b^2*c^5*d^3*h^3 - 3 \\
& *a*b^2*c^5*d^2*g^4 - 6*a^7*c*j*1^3*m^2 + 6*a^7*c*h*1^2*m^3 + 6*a^6*c^2*j*k^ \\
& 4*1 + 6*a^6*c^2*h*k^4*m - 6*a^5*c^3*h^4*k*m + 3*a^6*b^2*h*k*m^4 + 3*a^6*b^2 \\
& *g*1*m^4 - 3*b^5*c^3*d^4*1*m - 6*a^6*c^2*g*j*1^4 - 6*a^6*c^2*f*k*1^4 - 6*a^ \\
& 6*c^2*d*1^4*m + 6*a^5*c^3*h*j^4*k + 6*a^5*c^3*g*j^4*1 + 6*a^5*c^3*f*j^4*m - \\
& 6*a^4*c^4*g^4*j*1 + 6*a^3*c^5*e^4*k*m + 6*a^5*b^3*f*j*m^4 - 6*a^4*c^4*g^4* \\
& h*m + 3*b^7*c*d^3*j*m^2 - 3*a^5*b^3*e*k*m^4 - 3*a^5*b^3*d*1*m^4 + 3*b^4*c^4 \\
& *d^4*j*1 - 3*a^5*b^3*g*h*m^4 - 6*a^5*c^3*e*j*k^4 + 6*a^2*c^6*d^4*j*1 + 3*b^ \\
& 4*c^4*d^4*h*m + 6*a^6*c^2*e*g*m^4 + 6*a^6*c^2*d*h*m^4 + 6*a^6*b*c*j^3*m^3 - \\
& 6*a^5*c^3*f*h*k^4 + 6*a^4*c^4*g*h^4*j + 6*a^4*c^4*f*h^4*k + 6*a^4*c^4*e*h^ \\
& 4*1 + 6*a^4*c^4*d*h^4*m - 6*a^3*c^5*f^4*h*k - 6*a^3*c^5*f^4*g*1 + 6*a^2*c^6 \\
& *d^4*h*m + 3*a^5*b*c^2*j^5*m + a^6*b*c*k^3*1^3 + 3*a^4*b^4*e*g*m^4 + 3*a^4* \\
& b^4*d*h*m^4 + 6*b^3*c^5*d^4*g*k - 3*b^3*c^5*d^4*h*j - 3*b^3*c^5*d^4*f*1 - 3 \\
& *b^3*c^5*d^4*e*m + 3*a*b^7*d^2*g*m^3 + 6*a^5*c^3*d*f*1^4 - 6*a^4*c^4*e*g*j^ \\
& 4 - 6*a^4*c^4*d*h*j^4 + 6*a^3*c^5*e*g^4*j + 6*a^3*c^5*d*g^4*k - 6*a^2*c^6*e \\
& ^4*g*j - 6*a^2*c^6*e^4*f*k - 6*a^2*c^6*d*e^4*m + 3*a^4*b*c^3*h^5*1 + 6*a^3* \\
& c^5*f*g^4*h - 3*a^3*b^5*d*e*m^4 + 3*b^2*c^6*d^4*e*j + 3*a^5*b*c^2*g*k^5 + 3 \\
& *a^3*b*c^4*g^5*k + 8*a*b^6*c*d^3*m^3 + 3*b^2*c^6*d^4*f*h - 3*a^5*b^2*c*e*1^ \\
& 5 - 3*a*b^2*c^5*e^5*1 - 6*a^3*c^5*d*f*h^4 + 6*a^2*c^6*e*f^4*g + 6*a^2*c^6*d \\
& *f^4*h + 3*a^4*b*c^3*f*j^5 + 3*a^2*b*c^5*f^5*j + 6*a*c^7*d^3*e^2*h - 6*a*c^ \\
& 7*d^2*e^3*g + 3*a^3*b*c^4*e*h^5 + 6*a*b*c^6*d^3*g^3 + 3*a^2*b*c^5*d*g^5 + a \\
& *b*c^6*e^3*f^3 - 9*a^6*c^2*j^2*k^2*1^2 - 9*a^6*c^2*h^2*k^2*m^2 - 9*a^6*c^2* \\
& g^2*1^2*m^2 - 18*a^5*c^3*f^2*j^2*m^2 - 9*a^5*c^3*h^2*j^2*k^2 - 9*a^5*c^3*g^ \\
& 2*j^2*1^2 - 9*a^5*c^3*f^2*k^2*1^2 - 9*a^5*c^3*e^2*k^2*m^2 - 9*a^5*c^3*d^2*1 \\
& ^2*m^2 - 9*a^5*c^3*g^2*h^2*m^2 - 9*a^4*c^4*e^2*j^2*k^2 - 9*a^4*c^4*d^2*j^2* \\
& 1^2 - 18*a^4*c^4*e^2*h^2*1^2 - 9*a^4*c^4*g^2*h^2*j^2 - 9*a^4*c^4*f^2*h^2*k^ \\
& 2 - 9*a^4*c^4*f^2*g^2*1^2 - 9*a^4*c^4*e^2*g^2*m^2 - 9*a^4*c^4*d^2*h^2*m^2 - \\
& 18*a^3*c^5*d^2*g^2*k^2 - 9*a^3*c^5*e^2*g^2*j^2 - 9*a^3*c^5*e^2*f^2*k^2 - 9 \\
& *a^3*c^5*d^2*h^2*j^2 - 9*a^3*c^5*d^2*f^2*1^2 - 9*a^3*c^5*d^2*e^2*m^2 - 3*a^ \\
& 4*b^2*c^2*h^4*1^2 - 18*a^4*b^2*c^2*f^3*m^3 + 12*a^3*b^2*c^3*f^4*m^2 - 9*a^3 \\
& *c^5*f^2*g^2*h^2 + 4*a^4*b^2*c^2*g^3*1^3 - 3*a^2*b^4*c^2*f^4*m^2 + 14*a^3*b \\
& ^3*c^2*e^3*m^3 - 5*a^3*b^3*c^2*f^3*1^3 - 3*a^4*b^2*c^2*g^2*k^4 - 3*a^3*b^2* \\
& c^3*g^4*k^2 + a^3*b^3*c^2*g^3*k^3 - 20*a^2*b^4*c^2*d^3*m^3 - 18*a^3*b^2*c^3 \\
& *e^3*1^3 + 16*a^3*b^2*c^3*d^3*m^3 + 12*a^4*b^2*c^2*e^2*1^4 + 12*a^2*b^2*c^4 \\
& *e^4*1^2 - 9*a^2*c^6*d^2*e^2*j^2 + 6*a^2*b^4*c^2*e^3*1^3 + 4*a^3*b^2*c^3*f^ \\
& 3*k^3 + 14*a^2*b^3*c^3*d^3*1^3 - 9*a^2*c^6*e^2*f^2*g^2 - 9*a^2*c^6*d^2*f^2* \\
& h^2 - 5*a^2*b^3*c^3*e^3*k^3 - 3*a^3*b^2*c^3*f^2*j^4 - 3*a^2*b^2*c^4*f^4*j^2 \\
& + a^2*b^3*c^3*f^3*j^3 - 18*a^2*b^2*c^4*d^3*k^3 + 12*a^3*b^2*c^3*d^2*k^4 + \\
& 4*a^2*b^2*c^4*e^3*j^3 - 3*a^2*b^4*c^2*d^2*k^4 - 3*a^2*b^2*c^4*e^2*h^4 + 6*a \\
& ^7*c*k*1^4*m - 3*a^7*b*k*1*m^4 - 6*a^7*c*h*k*m^4 - 6*a^7*c*g*1*m^4 + 3*a^6* \\
& b*c*h*1^5 - 6*a*c^7*d^4*e*j - 6*a*c^7*d^4*f*h - 3*b*c^7*d^4*e*f + 6*a*c^7*d \\
& *e^4*f + 3*a*b*c^6*e^5*h - a^5*b^2*c*j^3*1^3 - a^3*b^4*c*g^3*1^3 - a*b^4*c^ \\
& 3*e^3*j^3 - a*b^2*c^5*e^3*g^3 + 3*a^7*b*j*m^5 + 6*a^7*c*f*m^5 + 6*a*c^7*d^5 \\
& *k + 3*b*c^7*d^5*g - 3*a^6*c^2*j^4*m^2 - 3*a^6*b^2*j^2*m^4 + 2*a^6*c^2*j^3* \\
& 1^3 + a^5*b^3*j^3*m^3 - 2*a^6*c^2*h^3*m^3 - 3*a^6*c^2*h^2*1^4 - 3*a^5*c^3*h \\
& ^4*1^2 - a*b^6*c*e^3*1^3 + 20*a^5*c^3*f^3*m^3 - 15*a^6*c^2*f^2*m^4 - 15*a^4 \\
& *c^4*f^4*m^2 + 2*a^5*c^3*h^3*k^3 - 2*a^5*c^3*g^3*1^3 + a^3*b^5*g^3*m^3 - 3* \\
& a^5*c^3*g^2*k^4 - 3*a^4*c^4*g^4*k^2 - 3*a^4*b^4*f^2*m^4 + 20*a^4*c^4*e^3*1^ \\
& 3 - 15*a^5*c^3*e^2*1^4 - 15*a^3*c^5*e^4*1^2 + 2*a^4*c^4*g^3*j^3 - 2*a^4*c^4 \\
& *f^3*k^3 - 2*a^4*c^4*d^3*m^3 - 3*b^4*c^4*d^4*k^2 - 3*a^4*c^4*f^2*j^4 - 3*a^
\end{aligned}$$

```

3*c^5*f^4*j^2 + 20*a^3*c^5*d^3*k^3 - 15*a^4*c^4*d^2*k^4 - 15*a^2*c^6*d^4*k^
2 - 2*a^3*c^5*e^3*j^3 + b^5*c^3*d^3*j^3 + 2*a^3*c^5*f^3*h^3 - 3*a^3*c^5*e^2
*h^4 - 3*a^2*c^6*e^4*h^2 - 3*b^2*c^6*d^4*g^2 + 2*a^2*c^6*e^3*g^3 - 2*a^2*c^
6*d^3*h^3 + b^3*c^5*d^3*g^3 - 3*a^2*c^6*d^2*g^4 - a^4*b^2*c^2*h^3*k^3 - a^3
*b^2*c^3*g^3*j^3 - a^2*b^4*c^2*f^3*k^3 - a^2*b^2*c^4*f^3*h^3 + 2*a^7*c*k^3*
m^3 + a^7*b*l^3*m^3 - 3*a^7*c*j^2*m^4 + 6*a^3*c^5*f^5*m - 3*a^6*b^2*f*m^5 +
6*a^6*c^2*e*l^5 + 6*a^2*c^6*e^5*l + b^7*c*d^3*l^3 + a*b^7*e^3*m^3 - 3*b^2*
c^6*d^5*k + 6*a^5*c^3*d*k^5 - 3*a*c^7*d^4*g^2 + 2*a*c^7*d^3*f^3 + b*c^7*d^3
*e^3 - a^6*b^2*k^3*m^3 - a^4*b^4*h^3*m^3 - a^2*b^6*f^3*m^3 - b^6*c^2*d^3*k^
3 - b^4*c^4*d^3*h^3 - b^2*c^6*d^3*f^3 - b^8*d^3*m^3 - a^6*c^2*k^6 - a^5*c^3
*j^6 - a^4*c^4*h^6 - a^3*c^5*g^6 - a^2*c^6*f^6 - a^7*c*l^6 - a*c^7*e^6 - a^
8*m^6 - c^8*d^6, z, k1), k1, 1, 6) + (k*x)/c + (1*x^2)/(2*c) + (m*x^3)/(3*c
)

```

sympy [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

```

[In] integrate((m*x**8+l*x**7+k*x**6+j*x**5+h*x**4+g*x**3+f*x**2+e*x+d)/(c*x**6+
b*x**3+a),x)

```

```

[Out] Timed out

```


$$3.2 \quad \int \frac{-ahx^{-1+\frac{n}{2}} + cfx^{-1+n} + cgx^{-1+2n} + chx^{-1+\frac{5n}{2}}}{(a+bx^n+cx^{2n})^{3/2}} dx$$

Optimal. Leaf size=75

$$\frac{2(hx^{n/2}(b^2 - 4ac) + c(bf - 2ag) + cx^n(2cf - bg))}{n(b^2 - 4ac)\sqrt{a + bx^n + cx^{2n}}}$$

Rubi [A] time = 0.53, antiderivative size = 75, normalized size of antiderivative = 1.00, number of steps used = 2, number of rules used = 2, integrand size = 63, $\frac{\text{number of rules}}{\text{integrand size}} = 0.032$, Rules used = {6741, 1753}

$$\frac{2(hx^{n/2}(b^2 - 4ac) + c(bf - 2ag) + cx^n(2cf - bg))}{n(b^2 - 4ac)\sqrt{a + bx^n + cx^{2n}}}$$

Antiderivative was successfully verified.

[In] Int[(-(a*h*x^(-1 + n/2)) + c*f*x^(-1 + n) + c*g*x^(-1 + 2*n) + c*h*x^(-1 + (5*n)/2))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] (-2*(c*(b*f - 2*a*g) + (b^2 - 4*a*c)*h*x^(n/2) + c*(2*c*f - b*g)*x^n)/((b^2 - 4*a*c)*n*Sqrt[a + b*x^n + c*x^(2*n)])

Rule 1753

Int[((x_)^(m_.)*((e_) + (f_.)*(x_)^(q_.) + (g_.)*(x_)^(r_.) + (h_.)*(x_)^(s_.)))/((a_) + (b_.)*(x_)^(n_.) + (c_.)*(x_)^(n2_.))^(3/2), x_Symbol] :> -Simp[(2*c*(b*f - 2*a*g) + 2*h*(b^2 - 4*a*c)*x^(n/2) + 2*c*(2*c*f - b*g)*x^n)/(c*n*(b^2 - 4*a*c)*Sqrt[a + b*x^n + c*x^(2*n)]), x] /; FreeQ[{a, b, c, e, f, g, h, m, n}, x] && EqQ[n2, 2*n] && EqQ[q, n/2] && EqQ[r, (3*n)/2] && EqQ[s, 2*n] && NeQ[b^2 - 4*a*c, 0] && EqQ[2*m - n + 2, 0] && EqQ[c*e + a*h, 0]

Rule 6741

Int[u_, x_Symbol] :> With[{v = NormalizeIntegrand[u, x]}, Int[v, x] /; v != u]

Rubi steps

$$\begin{aligned} \int \frac{-ahx^{-1+\frac{n}{2}} + cfx^{-1+n} + cgx^{-1+2n} + chx^{-1+\frac{5n}{2}}}{(a+bx^n+cx^{2n})^{3/2}} dx &= \int \frac{x^{-1+\frac{n}{2}}(-ah + cfx^{n/2} + cgx^{3n/2} + chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx \\ &= -\frac{2(c(bf - 2ag) + (b^2 - 4ac)hx^{n/2} + c(2cf - bg)x^n)}{(b^2 - 4ac)n\sqrt{a + bx^n + cx^{2n}}} \end{aligned}$$

Mathematica [F] time = 0.00, size = 0, normalized size = 0.00

\$Aborted

Verification is not applicable to the result.

[In] Integrate[(-(a*h*x^(-1 + n/2)) + c*f*x^(-1 + n) + c*g*x^(-1 + 2*n) + c*h*x^(-1 + (5*n)/2))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] \$Aborted

IntegrateAlgebraic [A] time = 53.49, size = 84, normalized size = 1.12

$$\frac{2(-2acg - 4achx^{n/2} + b^2hx^{n/2} + bcf - bcgx^n + 2c^2fx^n)}{n(b^2 - 4ac)\sqrt{a + bx^n + cx^{2n}}}$$

Antiderivative was successfully verified.

[In] IntegrateAlgebraic[(-a*h*x^(-1 + n/2)) + c*f*x^(-1 + n) + c*g*x^(-1 + 2*n) + c*h*x^(-1 + (5*n)/2)]/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] (-2*(b*c*f - 2*a*c*g + b^2*h*x^(n/2) - 4*a*c*h*x^(n/2) + 2*c^2*f*x^n - b*c*g*x^n))/((b^2 - 4*a*c)*n*Sqrt[a + b*x^n + c*x^(2*n)])

fricas [A] time = 1.10, size = 137, normalized size = 1.83

$$\frac{2\sqrt{cx^4x^{2n-4} + bx^2x^{n-2} + a}\left((2c^2f - bcg)x^2x^{n-2} + (b^2 - 4ac)hxx^{\frac{1}{2}n-1} + bcf - 2acg\right)}{(b^2c - 4ac^2)nx^4x^{2n-4} + (b^3 - 4abc)nx^2x^{n-2} + (ab^2 - 4a^2c)n}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((-a*h*x^(-1+1/2*n)+c*f*x^(-1+n)+c*g*x^(-1+2*n)+c*h*x^(-1+5/2*n))/(a+b*x^n+c*x^(2*n))^(3/2), x, algorithm="fricas")

[Out] -2*sqrt(c*x^4*x^(2*n - 4) + b*x^2*x^(n - 2) + a)*((2*c^2*f - b*c*g)*x^2*x^(n - 2) + (b^2 - 4*a*c)*h*x*x^(1/2*n - 1) + b*c*f - 2*a*c*g)/((b^2*c - 4*a*c^2)*n*x^4*x^(2*n - 4) + (b^3 - 4*a*b*c)*n*x^2*x^(n - 2) + (a*b^2 - 4*a^2*c)*n)

giac [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{chx^{\frac{5}{2}n-1} + cgx^{2n-1} + cfx^{n-1} - ahx^{\frac{1}{2}n-1}}{(cx^{2n} + bx^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((-a*h*x^(-1+1/2*n)+c*f*x^(-1+n)+c*g*x^(-1+2*n)+c*h*x^(-1+5/2*n))/(a+b*x^n+c*x^(2*n))^(3/2), x, algorithm="giac")

[Out] integrate((c*h*x^(5/2*n - 1) + c*g*x^(2*n - 1) + c*f*x^(n - 1) - a*h*x^(1/2*n - 1))/(c*x^(2*n) + b*x^n + a)^(3/2), x)

maple [F] time = 0.07, size = 0, normalized size = 0.00

$$\int \frac{-ahx^{\frac{n}{2}-1} + cfx^{n-1} + cgx^{2n-1} + chx^{\frac{5n}{2}-1}}{(bx^n + cx^{2n} + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int((-a*h*x^(-1+1/2*n)+c*f*x^(n-1)+c*g*x^(2*n-1)+c*h*x^(-1+5/2*n))/(b*x^n+c*x^(2*n)+a)^(3/2), x)

[Out] int((-a*h*x^(-1+1/2*n)+c*f*x^(n-1)+c*g*x^(2*n-1)+c*h*x^(-1+5/2*n))/(b*x^n+c*x^(2*n)+a)^(3/2), x)

maxima [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{chx^{\frac{5}{2}n-1} + cgx^{2n-1} + cfx^{n-1} - ahx^{\frac{1}{2}n-1}}{(cx^{2n} + bx^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] integrate((-a*h*x^(-1+1/2*n)+c*f*x^(-1+n)+c*g*x^(-1+2*n)+c*h*x^(-1+5/2*n))/
(a+b*x^n+c*x^(2*n))^(3/2),x, algorithm="maxima")
```

```
[Out] integrate((c*h*x^(5/2*n - 1) + c*g*x^(2*n - 1) + c*f*x^(n - 1) - a*h*x^(1/2
*n - 1))/(c*x^(2*n) + b*x^n + a)^(3/2), x)
```

mupad [F] time = 0.00, size = -1, normalized size = -0.01

$$\int \frac{c g x^{2n-1} - a h x^{\frac{n}{2}-1} + c h x^{\frac{5n}{2}-1} + c f x^{n-1}}{(a + b x^n + c x^{2n})^{3/2}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] int((c*g*x^(2*n - 1) - a*h*x^(n/2 - 1) + c*h*x^((5*n)/2 - 1) + c*f*x^(n - 1
))/ (a + b*x^n + c*x^(2*n))^(3/2), x)
```

```
[Out] int((c*g*x^(2*n - 1) - a*h*x^(n/2 - 1) + c*h*x^((5*n)/2 - 1) + c*f*x^(n - 1
))/ (a + b*x^n + c*x^(2*n))^(3/2), x)
```

sympy [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

```
[In] integrate((-a*h*x**(-1+1/2*n)+c*f*x**(-1+n)+c*g*x**(-1+2*n)+c*h*x**(-1+5/2*
n))/(a+b*x**n+c*x**(2*n))**(3/2),x)
```

```
[Out] Timed out
```

3.3

$$\int (a + bx^n + cx^{2n})^p (a + b(1 + n + np)x^n + c(1 + 2n(1 + p))x^{2n}) dx$$

Optimal. Leaf size=20

$$x(a + bx^n + cx^{2n})^{p+1}$$

Rubi [A] time = 0.02, antiderivative size = 20, normalized size of antiderivative = 1.00, number of steps used = 1, number of rules used = 1, integrand size = 45, $\frac{\text{number of rules}}{\text{integrand size}} = 0.022$, Rules used = {1775}

$$x(a + bx^n + cx^{2n})^{p+1}$$

Antiderivative was successfully verified.

[In] Int[(a + b*x^n + c*x^(2*n))^p*(a + b*(1 + n + n*p)*x^n + c*(1 + 2*n*(1 + p))*x^(2*n)), x]

[Out] x*(a + b*x^n + c*x^(2*n))^(1 + p)

Rule 1775

Int[((a_) + (b_.)*(x_)^(n_.) + (c_.)*(x_)^(n2_.))^p_*((d_) + (e_.)*(x_)^(n_.) + (f_.)*(x_)^(n2_.)), x_Symbol] :> Simp[(d*x*(a + b*x^n + c*x^(2*n))^(p + 1))/a, x] /; FreeQ[{a, b, c, d, e, f, n, p}, x] && EqQ[n2, 2*n] && EqQ[a*e - b*d*(n*(p + 1) + 1), 0] && EqQ[a*f - c*d*(2*n*(p + 1) + 1), 0]

Rubi steps

$$\int (a + bx^n + cx^{2n})^p (a + b(1 + n + np)x^n + c(1 + 2n(1 + p))x^{2n}) dx = x(a + bx^n + cx^{2n})^{1+p}$$

Mathematica [A] time = 0.33, size = 19, normalized size = 0.95

$$x(a + x^n(b + cx^n))^{p+1}$$

Antiderivative was successfully verified.

[In] Integrate[(a + b*x^n + c*x^(2*n))^p*(a + b*(1 + n + n*p)*x^n + c*(1 + 2*n*(1 + p))*x^(2*n)), x]

[Out] x*(a + x^n*(b + c*x^n))^(1 + p)

IntegrateAlgebraic [F] time = 0.21, size = 0, normalized size = 0.00

$$\int (a + bx^n + cx^{2n})^p (a + b(1 + n + np)x^n + c(1 + 2n(1 + p))x^{2n}) dx$$

Verification is not applicable to the result.

[In] IntegrateAlgebraic[(a + b*x^n + c*x^(2*n))^p*(a + b*(1 + n + n*p)*x^n + c*(1 + 2*n*(1 + p))*x^(2*n)), x]

[Out] Defer[IntegrateAlgebraic] [(a + b*x^n + c*x^(2*n))^p*(a + b*(1 + n + n*p)*x^n + c*(1 + 2*n*(1 + p))*x^(2*n)), x]

fricas [A] time = 1.17, size = 35, normalized size = 1.75

$$(c x x^{2n} + b x x^n + a x)(c x^{2n} + b x^n + a)^p$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] integrate((a+b*x^n+c*x^(2*n))^p*(a+b*(n*p+n+1)*x^n+c*(1+2*n*(1+p))*x^(2*n)),x, algorithm="fricas")
```

```
[Out] (c*x*x^(2*n) + b*x*x^n + a*x)*(c*x^(2*n) + b*x^n + a)^p
```

giac [B] time = 0.84, size = 66, normalized size = 3.30

$$(cx^{2n} + bx^n + a)^p cxx^{2n} + (cx^{2n} + bx^n + a)^p bxx^n + (cx^{2n} + bx^n + a)^p ax$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] integrate((a+b*x^n+c*x^(2*n))^p*(a+b*(n*p+n+1)*x^n+c*(1+2*n*(1+p))*x^(2*n)),x, algorithm="giac")
```

```
[Out] (c*x^(2*n) + b*x^n + a)^p*c*x*x^(2*n) + (c*x^(2*n) + b*x^n + a)^p*b*x*x^n + (c*x^(2*n) + b*x^n + a)^p*a*x
```

maple [A] time = 0.05, size = 33, normalized size = 1.65

$$(bx^n + cx^{2n} + a)x(bx^n + cx^{2n} + a)^p$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] int((b*x^n+c*x^(2*n)+a)^p*(a+b*(n*p+n+1)*x^n+c*(1+2*(p+1)*n)*x^(2*n)),x)
```

```
[Out] x*(a+b*x^n+c*(x^n)^2)*(a+b*x^n+c*(x^n)^2)^p
```

maxima [A] time = 1.22, size = 35, normalized size = 1.75

$$(cxx^{2n} + bxx^n + ax)(cx^{2n} + bx^n + a)^p$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] integrate((a+b*x^n+c*x^(2*n))^p*(a+b*(n*p+n+1)*x^n+c*(1+2*n*(1+p))*x^(2*n)),x, algorithm="maxima")
```

```
[Out] (c*x*x^(2*n) + b*x*x^n + a*x)*(c*x^(2*n) + b*x^n + a)^p
```

mupad [B] time = 2.18, size = 35, normalized size = 1.75

$$(a + bx^n + cx^{2n})^p (ax + bxx^n + cxx^{2n})$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] int((a + b*x^n + c*x^(2*n))^p*(a + b*x^n*(n + n*p + 1) + c*x^(2*n)*(2*n*(p + 1) + 1)),x)
```

```
[Out] (a + b*x^n + c*x^(2*n))^p*(a*x + b*x*x^n + c*x*x^(2*n))
```

sympy [B] time = 50.33, size = 63, normalized size = 3.15

$$ax(a + bx^n + cx^{2n})^p + bxx^n(a + bx^n + cx^{2n})^p + cxx^{2n}(a + bx^n + cx^{2n})^p$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] integrate((a+b*x**n+c*x**(2*n))**p*(a+b*(n*p+n+1)*x**n+c*(1+2*n*(1+p))*x**(2*n)),x)
```

```
[Out] a*x*(a + b*x**n + c*x**(2*n))**p + b*x*x**n*(a + b*x**n + c*x**(2*n))**p + c*x*x**(2*n)*(a + b*x**n + c*x**(2*n))**p
```

$$3.4 \quad \int \frac{x^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx$$

Optimal. Leaf size=45

$$-\frac{2(ag+2ahx^{n/4}-cfx^{n/2})}{an\sqrt{a+cx^n}}$$

Rubi [A] time = 0.08, antiderivative size = 45, normalized size of antiderivative = 1.00, number of steps used = 1, number of rules used = 1, integrand size = 52, $\frac{\text{number of rules}}{\text{integrand size}} = 0.019$, Rules used = {1816}

$$-\frac{2(ag+2ahx^{n/4}-cfx^{n/2})}{an\sqrt{a+cx^n}}$$

Antiderivative was successfully verified.

[In] Int[(x^(-1 + n/4)*(-(a*h) + c*f*x^(n/4) + c*g*x^((3*n)/4) + c*h*x^n))/(a + c*x^n)^(3/2), x]

[Out] (-2*(a*g + 2*a*h*x^(n/4) - c*f*x^(n/2)))/(a*n*Sqrt[a + c*x^n])

Rule 1816

Int[((x_)^(m_)*((e_) + (h_)*(x_)^(n_) + (f_)*(x_)^(q_) + (g_)*(x_)^(r_)))/((a_) + (c_)*(x_)^(n_))^(3/2), x_Symbol] :> -Simp[(2*a*g + 4*a*h*x^(n/4) - 2*c*f*x^(n/2))/(a*c*n*Sqrt[a + c*x^n]), x] /; FreeQ[{a, c, e, f, g, h, m, n}, x] && EqQ[q, n/4] && EqQ[r, (3*n)/4] && EqQ[4*m - n + 4, 0] && EqQ[c*e + a*h, 0]

Rubi steps

$$\int \frac{x^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx = -\frac{2(ag+2ahx^{n/4}-cfx^{n/2})}{an\sqrt{a+cx^n}}$$

Mathematica [A] time = 0.21, size = 45, normalized size = 1.00

$$\frac{2cfx^{n/2} - 2a(g + 2hx^{n/4})}{an\sqrt{a+cx^n}}$$

Antiderivative was successfully verified.

[In] Integrate[(x^(-1 + n/4)*(-(a*h) + c*f*x^(n/4) + c*g*x^((3*n)/4) + c*h*x^n))/(a + c*x^n)^(3/2), x]

[Out] (2*c*f*x^(n/2) - 2*a*(g + 2*h*x^(n/4)))/(a*n*Sqrt[a + c*x^n])

IntegrateAlgebraic [F] time = 0.70, size = 0, normalized size = 0.00

$$\int \frac{x^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx$$

Verification is not applicable to the result.

[In] IntegrateAlgebraic[(x^(-1 + n/4)*(-(a*h) + c*f*x^(n/4) + c*g*x^((3*n)/4) + c*h*x^n))/(a + c*x^n)^(3/2), x]

[Out] Defer[IntegrateAlgebraic] [(x^{-1 + n/4})*(-a*h) + c*f*x^(n/4) + c*g*x^{((3*n)/4)} + c*h*xⁿ)/(a + c*xⁿ)^(3/2), x]

fricas [A] time = 1.09, size = 48, normalized size = 1.07

$$\frac{2 \left(c f x^{\frac{1}{2}n} - 2 a h x^{\frac{1}{4}n} - a g \right) \sqrt{c x^n + a}}{a c n x^n + a^2 n}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate(x^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*xⁿ)/(a+c*xⁿ)^(3/2),x, algorithm="fricas")

[Out] 2*(c*f*x^(1/2*n) - 2*a*h*x^(1/4*n) - a*g)*sqrt(c*xⁿ + a)/(a*c*n*xⁿ + a²*n)

giac [A] time = 35.01, size = 39, normalized size = 0.87

$$\frac{2 \left(\left(\frac{c f (x^n)^{\frac{1}{4}}}{a} - 2 h \right) (x^n)^{\frac{1}{4}} - g \right)}{\sqrt{c x^n + a} n}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate(x^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*xⁿ)/(a+c*xⁿ)^(3/2),x, algorithm="giac")

[Out] 2*((c*f*(xⁿ)^(1/4)/a - 2*h)*(xⁿ)^(1/4) - g)/(sqrt(c*xⁿ + a)*n)

maple [F] time = 0.10, size = 0, normalized size = 0.00

$$\int \frac{\left(c f x^{\frac{n}{4}} + c g x^{\frac{3n}{4}} + c h x^n - a h \right) x^{\frac{n}{4}-1}}{(c x^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int(x^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*xⁿ)/(a+c*xⁿ)^(3/2),x)

[Out] int(x^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*xⁿ)/(a+c*xⁿ)^(3/2),x)

maxima [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{\left(c g x^{\frac{3}{4}n} + c f x^{\frac{1}{4}n} + c h x^n - a h \right) x^{\frac{1}{4}n-1}}{(c x^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate(x^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*xⁿ)/(a+c*xⁿ)^(3/2),x, algorithm="maxima")

[Out] integrate((c*g*x^(3/4*n) + c*f*x^(1/4*n) + c*h*xⁿ - a*h)*x^(1/4*n - 1)/(c*xⁿ + a)^(3/2), x)

mupad [B] time = 2.56, size = 39, normalized size = 0.87

$$\frac{2 \left(a g - c f x^{n/2} + 2 a h x^{n/4} \right)}{a n \sqrt{a + c x^n}}$$

Verification of antiderivative is not currently implemented for this CAS.

```
[In] int((x^(n/4 - 1)*(c*h*x^n - a*h + c*f*x^(n/4) + c*g*x^((3*n)/4)))/(a + c*x^n)^(3/2),x)
```

```
[Out] -(2*(a*g - c*f*x^(n/2) + 2*a*h*x^(n/4)))/(a*n*(a + c*x^n)^(1/2))
```

```
sympy [F(-1)] time = 0.00, size = 0, normalized size = 0.00
```

Timed out

Verification of antiderivative is not currently implemented for this CAS.

```
[In] integrate(x**(-1+1/4*n)*(-a*h+c*f*x**(1/4*n)+c*g*x**(3/4*n)+c*h*x**n)/(a+c*x**n)**(3/2),x)
```

```
[Out] Timed out
```


$$3.5 \quad \int \frac{(dx)^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx$$

Optimal. Leaf size=65

$$\frac{2x^{1-\frac{n}{4}}(dx)^{\frac{n-4}{4}}(ag+2ahx^{n/4}-cfx^{n/2})}{an\sqrt{a+cx^n}}$$

Rubi [A] time = 0.16, antiderivative size = 65, normalized size of antiderivative = 1.00, number of steps used = 2, number of rules used = 2, integrand size = 54, $\frac{\text{number of rules}}{\text{integrand size}} = 0.037$, Rules used = {1817, 1816}

$$\frac{2x^{1-\frac{n}{4}}(dx)^{\frac{n-4}{4}}(ag+2ahx^{n/4}-cfx^{n/2})}{an\sqrt{a+cx^n}}$$

Antiderivative was successfully verified.

[In] Int[((d*x)^(-1 + n/4)*(-(a*h) + c*f*x^(n/4) + c*g*x^((3*n)/4) + c*h*x^n))/(a + c*x^n)^(3/2), x]

[Out] (-2*x^(1 - n/4)*(d*x)^((-4 + n)/4)*(a*g + 2*a*h*x^(n/4) - c*f*x^(n/2)))/(a*n*Sqrt[a + c*x^n])

Rule 1816

Int[((x_)^(m_.)*((e_) + (h_.)*(x_)^(n_.) + (f_.)*(x_)^(q_.) + (g_.)*(x_)^(r_.)))/((a_) + (c_.)*(x_)^(n_.))^(3/2), x_Symbol] :> -Simp[(2*a*g + 4*a*h*x^(n/4) - 2*c*f*x^(n/2))/(a*c*n*Sqrt[a + c*x^n]), x] /; FreeQ[{a, c, e, f, g, h, m, n}, x] && EqQ[q, n/4] && EqQ[r, (3*n)/4] && EqQ[4*m - n + 4, 0] && EqQ[c*e + a*h, 0]

Rule 1817

Int[((d_)*(x_)^(m_.)*((e_) + (h_.)*(x_)^(n_.) + (f_.)*(x_)^(q_.) + (g_.)*(x_)^(r_.)))/((a_) + (c_.)*(x_)^(n_.))^(3/2), x_Symbol] :> Dist[(d*x)^m/x^m, Int[(x^m*(e + f*x^(n/4) + g*x^((3*n)/4) + h*x^n))/(a + c*x^n)^(3/2), x], x] /; FreeQ[{a, c, d, e, f, g, h, m, n}, x] && EqQ[4*m - n + 4, 0] && EqQ[q, n/4] && EqQ[r, (3*n)/4] && EqQ[c*e + a*h, 0]

Rubi steps

$$\begin{aligned} \int \frac{(dx)^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx &= \left(x^{1-\frac{n}{4}}(dx)^{-1+\frac{n}{4}}\right) \int \frac{x^{-1+\frac{n}{4}}(-ah+cfx^{n/4}+cgx^{3n/4}+chx^n)}{(a+cx^n)^{3/2}} dx \\ &= -\frac{2x^{1-\frac{n}{4}}(dx)^{\frac{1}{4}(-4+n)}(ag+2ahx^{n/4}-cfx^{n/2})}{an\sqrt{a+cx^n}} \end{aligned}$$

Mathematica [A] time = 0.14, size = 64, normalized size = 0.98

$$\frac{2x^{-n/4}(dx)^{n/4}(cfx^{n/2}-a(g+2hx^{n/4}))}{adn\sqrt{a+cx^n}}$$

Antiderivative was successfully verified.

[In] Integrate[((d*x)^(-1 + n/4)*(-(a*h) + c*f*x^(n/4) + c*g*x^((3*n)/4) + c*h*x^n))/(a + c*x^n)^(3/2), x]

[Out] (2*(d*x)^(n/4)*(c*f*x^(n/2) - a*(g + 2*h*x^(n/4)))/(a*d*n*x^(n/4)*Sqrt[a + c*x^n])

IntegrateAlgebraic [F] time = 1.46, size = 0, normalized size = 0.00

$$\int \frac{(dx)^{-1+\frac{n}{4}} (-ah + cfx^{n/4} + cgx^{3n/4} + chx^n)}{(a + cx^n)^{3/2}} dx$$

Verification is not applicable to the result.

[In] IntegrateAlgebraic[((d*x)^(-1 + n/4)*(-(a*h) + c*f*x^(n/4) + c*g*x^((3*n)/4) + c*h*x^n))/(a + c*x^n)^(3/2), x]

[Out] Defer[IntegrateAlgebraic][((d*x)^(-1 + n/4)*(-(a*h) + c*f*x^(n/4) + c*g*x^((3*n)/4) + c*h*x^n))/(a + c*x^n)^(3/2), x]

fricas [A] time = 1.37, size = 69, normalized size = 1.06

$$\frac{2 \left(cd^{\frac{1}{4}n-1} fx^{\frac{1}{2}n} - 2ad^{\frac{1}{4}n-1} hx^{\frac{1}{4}n} - ad^{\frac{1}{4}n-1} g \right) \sqrt{cx^n + a}}{acnx^n + a^2n}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((d*x)^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*x^n)/(a+c*x^n)^(3/2), x, algorithm="fricas")

[Out] 2*(c*d^(1/4*n - 1)*f*x^(1/2*n) - 2*a*d^(1/4*n - 1)*h*x^(1/4*n) - a*d^(1/4*n - 1)*g)*sqrt(c*x^n + a)/(a*c*n*x^n + a^2*n)

giac [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{\left(cgx^{\frac{3}{4}n} + cfx^{\frac{1}{4}n} + chx^n - ah \right) (dx)^{\frac{1}{4}n-1}}{(cx^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((d*x)^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*x^n)/(a+c*x^n)^(3/2), x, algorithm="giac")

[Out] integrate((c*g*x^(3/4*n) + c*f*x^(1/4*n) + c*h*x^n - a*h)*(d*x)^(1/4*n - 1)/(c*x^n + a)^(3/2), x)

maple [F] time = 0.09, size = 0, normalized size = 0.00

$$\int \frac{\left(cf x^{\frac{n}{4}} + cg x^{\frac{3n}{4}} + ch x^n - ah \right) (dx)^{\frac{n}{4}-1}}{(c x^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int((d*x)^(1/4*n-1)*(c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*x^n-a*h)/(c*x^n+a)^(3/2), x)

[Out] int((d*x)^(1/4*n-1)*(c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*x^n-a*h)/(c*x^n+a)^(3/2), x)

maxima [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{\left(c g x^{\frac{3}{4}n} + c f x^{\frac{1}{4}n} + c h x^n - a h \right) (d x)^{\frac{1}{4}n-1}}{(c x^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((d*x)^(-1+1/4*n)*(-a*h+c*f*x^(1/4*n)+c*g*x^(3/4*n)+c*h*x^n)/(a+c*x^n)^(3/2),x, algorithm="maxima")

[Out] integrate((c*g*x^(3/4*n) + c*f*x^(1/4*n) + c*h*x^n - a*h)*(d*x)^(1/4*n - 1)/(c*x^n + a)^(3/2), x)

mupad [F] time = 0.00, size = -1, normalized size = -0.02

$$\int \frac{(d x)^{\frac{n}{4}-1} \left(c h x^n - a h + c f x^{n/4} + c g x^{\frac{3n}{4}} \right)}{(a + c x^n)^{3/2}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int(((d*x)^(n/4 - 1)*(c*h*x^n - a*h + c*f*x^(n/4) + c*g*x^((3*n)/4)))/(a + c*x^n)^(3/2),x)

[Out] int(((d*x)^(n/4 - 1)*(c*h*x^n - a*h + c*f*x^(n/4) + c*g*x^((3*n)/4)))/(a + c*x^n)^(3/2), x)

sympy [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((d*x)**(-1+1/4*n)*(-a*h+c*f*x**(1/4*n)+c*g*x**(3/4*n)+c*h*x**n)/(a+c*x**n)**(3/2),x)

[Out] Timed out

$$3.6 \quad \int \frac{x^{-1+\frac{n}{2}}(-ah+cfx^{n/2}+cgx^{3n/2}+chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx$$

Optimal. Leaf size=75

$$\frac{2(hx^{n/2}(b^2-4ac)+c(bf-2ag)+cx^n(2cf-bg))}{n(b^2-4ac)\sqrt{a+bx^n+cx^{2n}}}$$

Rubi [A] time = 0.11, antiderivative size = 75, normalized size of antiderivative = 1.00, number of steps used = 1, number of rules used = 1, integrand size = 61, $\frac{\text{number of rules}}{\text{integrand size}} = 0.016$, Rules used = {1753}

$$\frac{2(hx^{n/2}(b^2-4ac)+c(bf-2ag)+cx^n(2cf-bg))}{n(b^2-4ac)\sqrt{a+bx^n+cx^{2n}}}$$

Antiderivative was successfully verified.

[In] Int[(x^(-1 + n/2)*(-(a*h) + c*f*x^(n/2) + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] (-2*(c*(b*f - 2*a*g) + (b^2 - 4*a*c)*h*x^(n/2) + c*(2*c*f - b*g)*x^n))/((b^2 - 4*a*c)*n*Sqrt[a + b*x^n + c*x^(2*n)])

Rule 1753

Int[((x_)^(m_.)*((e_) + (f_.)*(x_)^(q_.) + (g_.)*(x_)^(r_.) + (h_.)*(x_)^(s_.)))/((a_) + (b_.)*(x_)^(n_.) + (c_.)*(x_)^(n2_.))^(3/2), x_Symbol] :> -Simp[(2*c*(b*f - 2*a*g) + 2*h*(b^2 - 4*a*c)*x^(n/2) + 2*c*(2*c*f - b*g)*x^n)/(c*n*(b^2 - 4*a*c)*Sqrt[a + b*x^n + c*x^(2*n)]), x] /; FreeQ[{a, b, c, e, f, g, h, m, n}, x] && EqQ[n2, 2*n] && EqQ[q, n/2] && EqQ[r, (3*n)/2] && EqQ[s, 2*n] && NeQ[b^2 - 4*a*c, 0] && EqQ[2*m - n + 2, 0] && EqQ[c*e + a*h, 0]

Rubi steps

$$\int \frac{x^{-1+\frac{n}{2}}(-ah+cfx^{n/2}+cgx^{3n/2}+chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx = -\frac{2(c(bf-2ag)+(b^2-4ac)hx^{n/2}+c(2cf-bg)x^n)}{(b^2-4ac)n\sqrt{a+bx^n+cx^{2n}}}$$

Mathematica [F] time = 0.00, size = 0, normalized size = 0.00

\$Aborted

Verification is not applicable to the result.

[In] Integrate[(x^(-1 + n/2)*(-(a*h) + c*f*x^(n/2) + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] \$Aborted

IntegrateAlgebraic [A] time = 53.64, size = 84, normalized size = 1.12

$$\frac{2(-2acg-4achx^{n/2}+b^2hx^{n/2}+bcf-bcgx^n+2c^2fx^n)}{n(b^2-4ac)\sqrt{a+bx^n+cx^{2n}}}$$

Antiderivative was successfully verified.

[In] IntegrateAlgebraic[(x^(-1 + n/2)*(-a*h) + c*f*x^(n/2) + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] (-2*(b*c*f - 2*a*c*g + b^2*h*x^(n/2) - 4*a*c*h*x^(n/2) + 2*c^2*f*x^n - b*c*g*x^n))/((b^2 - 4*a*c)*n*Sqrt[a + b*x^n + c*x^(2*n)])

fricas [A] time = 1.17, size = 109, normalized size = 1.45

$$\frac{2 \left(bcf - 2acg + (b^2 - 4ac)hx^{\frac{1}{2}n} + (2c^2f - bcg)x^n \right) \sqrt{cx^{2n} + bx^n + a}}{(b^2c - 4ac^2)nx^{2n} + (b^3 - 4abc)nx^n + (ab^2 - 4a^2c)n}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate(x^(-1+1/2*n)*(-a*h+c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n))/(a+b*x^n+c*x^(2*n))^(3/2), x, algorithm="fricas")

[Out] -2*(b*c*f - 2*a*c*g + (b^2 - 4*a*c)*h*x^(1/2*n) + (2*c^2*f - b*c*g)*x^n)*sqrt(c*x^(2*n) + b*x^n + a)/((b^2*c - 4*a*c^2)*n*x^(2*n) + (b^3 - 4*a*b*c)*n*x^n + (a*b^2 - 4*a^2*c)*n)

giac [B] time = 4.72, size = 187, normalized size = 2.49

$$\frac{2 \left(\sqrt{x^n} \left(\frac{(2b^2c^2f - 8ac^3f - b^3cg + 4abc^2g)\sqrt{x^n}}{b^4 - 8ab^2c + 16a^2c^2} + \frac{b^4h - 8ab^2ch + 16a^2c^2h}{b^4 - 8ab^2c + 16a^2c^2} \right) + \frac{b^3cf - 4abc^2f - 2ab^2cg + 8a^2c^2g}{b^4 - 8ab^2c + 16a^2c^2} \right)}{\sqrt{cx^{2n} + bx^n + a}n}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate(x^(-1+1/2*n)*(-a*h+c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n))/(a+b*x^n+c*x^(2*n))^(3/2), x, algorithm="giac")

[Out] -2*(sqrt(x^n)*((2*b^2*c^2*f - 8*a*c^3*f - b^3*c*g + 4*a*b*c^2*g)*sqrt(x^n)/(b^4 - 8*a*b^2*c + 16*a^2*c^2) + (b^4*h - 8*a*b^2*c*h + 16*a^2*c^2*h)/(b^4 - 8*a*b^2*c + 16*a^2*c^2)) + (b^3*c*f - 4*a*b*c^2*f - 2*a*b^2*c*g + 8*a^2*c^2*g)/(b^4 - 8*a*b^2*c + 16*a^2*c^2))/(sqrt(c*x^(2*n) + b*x^n + a)*n)

maple [F] time = 0.03, size = 0, normalized size = 0.00

$$\int \frac{\left(cf x^{\frac{n}{2}} + cg x^{\frac{3n}{2}} + ch x^{2n} - ah \right) x^{\frac{n}{2}-1}}{\left(bx^n + cx^{2n} + a \right)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int(x^(1/2*n-1)*(-a*h+c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n))/(b*x^n+c*x^(2*n)+a)^(3/2), x)

[Out] int(x^(1/2*n-1)*(-a*h+c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n))/(b*x^n+c*x^(2*n)+a)^(3/2), x)

maxima [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{\left(chx^{2n} + cgx^{\frac{3}{2}n} + cf x^{\frac{1}{2}n} - ah \right) x^{\frac{1}{2}n-1}}{\left(cx^{2n} + bx^n + a \right)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate(x^(-1+1/2*n)*(-a*h+c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n))/(a+b*x^n+c*x^(2*n))^(3/2), x, algorithm="maxima")

[Out] integrate((c*h*x^(2*n) + c*g*x^(3/2*n) + c*f*x^(1/2*n) - a*h)*x^(1/2*n - 1) / (c*x^(2*n) + b*x^n + a)^(3/2), x)

mupad [B] time = 2.45, size = 80, normalized size = 1.07

$$\frac{2b^2hx^{n/2} - 4acg + 2bcf + 4c^2fx^n - 8achx^{n/2} - 2bcgx^n}{(b^2n - 4acn)\sqrt{a + bx^n + cx^{2n}}}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int((x^(n/2 - 1)*(c*f*x^(n/2) - a*h + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x)

[Out] -(2*b^2*h*x^(n/2) - 4*a*c*g + 2*b*c*f + 4*c^2*f*x^n - 8*a*c*h*x^(n/2) - 2*b*c*g*x^n)/((b^2*n - 4*a*c*n)*(a + b*x^n + c*x^(2*n))^(1/2))

sympy [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate(x**(-1+1/2*n)*(-a*h+c*f*x**(1/2*n)+c*g*x**(3/2*n)+c*h*x**(2*n))/(a+b*x**n+c*x**(2*n))**(3/2), x)

[Out] Timed out

$$3.7 \quad \int \frac{(dx)^{-1+\frac{n}{2}}(-ah+cfx^{n/2}+cgx^{3n/2}+chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx$$

Optimal. Leaf size=95

$$\frac{2x^{1-\frac{n}{2}}(dx)^{\frac{n-2}{2}}(hx^{n/2}(b^2-4ac)+c(bf-2ag)+cx^n(2cf-bg))}{n(b^2-4ac)\sqrt{a+bx^n+cx^{2n}}}$$

Rubi [A] time = 0.22, antiderivative size = 95, normalized size of antiderivative = 1.00, number of steps used = 2, number of rules used = 2, integrand size = 63, $\frac{\text{number of rules}}{\text{integrand size}} = 0.032$, Rules used = {1754, 1753}

$$\frac{2x^{1-\frac{n}{2}}(dx)^{\frac{n-2}{2}}(hx^{n/2}(b^2-4ac)+c(bf-2ag)+cx^n(2cf-bg))}{n(b^2-4ac)\sqrt{a+bx^n+cx^{2n}}}$$

Antiderivative was successfully verified.

[In] Int[((d*x)^(-1 + n/2)*(-(a*h) + c*f*x^(n/2) + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] (-2*x^(1 - n/2)*(d*x)^((-2 + n)/2)*(c*(b*f - 2*a*g) + (b^2 - 4*a*c)*h*x^(n/2) + c*(2*c*f - b*g)*x^n))/((b^2 - 4*a*c)*n*Sqrt[a + b*x^n + c*x^(2*n)])

Rule 1753

Int[((x_)^(m_)*((e_) + (f_)*(x_)^(q_) + (g_)*(x_)^(r_) + (h_)*(x_)^(s_)))/((a_) + (b_)*(x_)^(n_) + (c_)*(x_)^(n2_))^(3/2), x_Symbol] :> -Simp[(2*c*(b*f - 2*a*g) + 2*h*(b^2 - 4*a*c)*x^(n/2) + 2*c*(2*c*f - b*g)*x^n)/(c*n*(b^2 - 4*a*c)*Sqrt[a + b*x^n + c*x^(2*n)]), x] /; FreeQ[{a, b, c, e, f, g, h, m, n}, x] && EqQ[n2, 2*n] && EqQ[q, n/2] && EqQ[r, (3*n)/2] && EqQ[s, 2*n] && NeQ[b^2 - 4*a*c, 0] && EqQ[2*m - n + 2, 0] && EqQ[c*e + a*h, 0]

Rule 1754

Int((((d_)*(x_)^(m_)*((e_) + (f_)*(x_)^(q_) + (g_)*(x_)^(r_) + (h_)*(x_)^(s_)))/((a_) + (b_)*(x_)^(n_) + (c_)*(x_)^(n2_))^(3/2), x_Symbol] :> Dist[(d*x)^m/x^m, Int[(x^m*(e + f*x^(n/2) + g*x^((3*n)/2) + h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x], x] /; FreeQ[{a, b, c, d, e, f, g, h, m, n}, x] && EqQ[n2, 2*n] && EqQ[q, n/2] && EqQ[r, (3*n)/2] && EqQ[s, 2*n] && NeQ[b^2 - 4*a*c, 0] && EqQ[2*m - n + 2, 0] && EqQ[c*e + a*h, 0]

Rubi steps

$$\int \frac{(dx)^{-1+\frac{n}{2}}(-ah+cfx^{n/2}+cgx^{3n/2}+chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx = \left(x^{1-\frac{n}{2}}(dx)^{-1+\frac{n}{2}}\right) \int \frac{x^{-1+\frac{n}{2}}(-ah+cfx^{n/2}+cgx^{3n/2}+chx^{2n})}{(a+bx^n+cx^{2n})^{3/2}} dx$$

$$= -\frac{2x^{1-\frac{n}{2}}(dx)^{\frac{1}{2}(-2+n)}(c(bf-2ag)+(b^2-4ac)hx^{n/2}+c(2cf))}{(b^2-4ac)n\sqrt{a+bx^n+cx^{2n}}}$$

Mathematica [F] time = 0.00, size = 0, normalized size = 0.00

\$Aborted

Verification is not applicable to the result.

[In] Integrate[((d*x)^(-1 + n/2)*(-(a*h) + c*f*x^(n/2) + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] \$Aborted

IntegrateAlgebraic [F] time = 120.66, size = 0, normalized size = 0.00

$$\int \frac{(dx)^{-1+\frac{n}{2}} (-ah + cf x^{n/2} + c g x^{3n/2} + ch x^{2n})}{(a + bx^n + cx^{2n})^{3/2}} dx$$

Verification is not applicable to the result.

[In] IntegrateAlgebraic[((d*x)^(-1 + n/2)*(-(a*h) + c*f*x^(n/2) + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x]

[Out] Defer[IntegrateAlgebraic][((d*x)^(-1 + n/2)*(-(a*h) + c*f*x^(n/2) + c*g*x^((3*n)/2) + c*h*x^(2*n)))/(a + b*x^n + c*x^(2*n))^(3/2), x]

fricas [A] time = 1.30, size = 132, normalized size = 1.39

$$\frac{2 \left((b^2 - 4ac) d^{\frac{1}{2}n-1} h x^{\frac{1}{2}n} + (2c^2 f - bcg) d^{\frac{1}{2}n-1} x^n + (bcf - 2acg) d^{\frac{1}{2}n-1} \right) \sqrt{cx^{2n} + bx^n + a}}{(b^2c - 4ac^2)nx^{2n} + (b^3 - 4abc)nx^n + (ab^2 - 4a^2c)n}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((d*x)^(-1+1/2*n)*(-a*h+c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n))/(a+b*x^n+c*x^(2*n))^(3/2), x, algorithm="fricas")

[Out] -2*((b^2 - 4*a*c)*d^(1/2*n - 1)*h*x^(1/2*n) + (2*c^2*f - b*c*g)*d^(1/2*n - 1)*x^n + (b*c*f - 2*a*c*g)*d^(1/2*n - 1))*sqrt(c*x^(2*n) + b*x^n + a)/((b^2*c - 4*a*c^2)*n*x^(2*n) + (b^3 - 4*a*b*c)*n*x^n + (a*b^2 - 4*a^2*c)*n)

giac [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{(chx^{2n} + cgx^{\frac{3}{2}n} + cfx^{\frac{1}{2}n} - ah)(dx)^{\frac{1}{2}n-1}}{(cx^{2n} + bx^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((d*x)^(-1+1/2*n)*(-a*h+c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n))/(a+b*x^n+c*x^(2*n))^(3/2), x, algorithm="giac")

[Out] integrate((c*h*x^(2*n) + c*g*x^(3/2*n) + c*f*x^(1/2*n) - a*h)*(d*x)^(1/2*n - 1)/(c*x^(2*n) + b*x^n + a)^(3/2), x)

maple [F] time = 0.02, size = 0, normalized size = 0.00

$$\int \frac{(cfx^{\frac{n}{2}} + cgx^{\frac{3n}{2}} + chx^{2n} - ah)(dx)^{\frac{n}{2}-1}}{(bx^n + cx^{2n} + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int((d*x)^(1/2*n-1)*(c*f*x^(1/2*n)+c*g*x^(3/2*n)+c*h*x^(2*n)-a*h)/(b*x^n+c*x^(2*n)+a)^(3/2), x)

[Out] $\text{int}((dx)^{(1/2*n-1)}*(c*f*x^{(1/2*n)}+c*g*x^{(3/2*n)}+c*h*x^{(2*n)}-a*h)/(b*x^n+c*x^{(2*n)}+a)^{(3/2)}, x)$

maxima [F] time = 0.00, size = 0, normalized size = 0.00

$$\int \frac{(chx^{2n} + cgx^{\frac{3}{2}n} + cfx^{\frac{1}{2}n} - ah)(dx)^{\frac{1}{2}n-1}}{(cx^{2n} + bx^n + a)^{\frac{3}{2}}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] $\text{integrate}((dx)^{(-1+1/2*n)}*(-a*h+c*f*x^{(1/2*n)}+c*g*x^{(3/2*n)}+c*h*x^{(2*n)})/(a+b*x^n+c*x^{(2*n)})^{(3/2)}, x, \text{algorithm}="maxima")$

[Out] $\text{integrate}((c*h*x^{(2*n)} + c*g*x^{(3/2*n)} + c*f*x^{(1/2*n)} - a*h)*(dx)^{(1/2*n - 1)/(c*x^{(2*n)} + b*x^n + a)^{(3/2)}, x)$

mupad [F] time = 0.00, size = -1, normalized size = -0.01

$$\int \frac{(dx)^{\frac{n}{2}-1} (c f x^{n/2} - a h + c g x^{\frac{3n}{2}} + c h x^{2n})}{(a + b x^n + c x^{2n})^{3/2}} dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] $\text{int}(((dx)^{(n/2 - 1)}*(c*f*x^{(n/2)} - a*h + c*g*x^{((3*n)/2)} + c*h*x^{(2*n)}))/(a + b*x^n + c*x^{(2*n)})^{(3/2)}, x)$

[Out] $\text{int}(((dx)^{(n/2 - 1)}*(c*f*x^{(n/2)} - a*h + c*g*x^{((3*n)/2)} + c*h*x^{(2*n)}))/(a + b*x^n + c*x^{(2*n)})^{(3/2)}, x)$

sympy [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

[In] $\text{integrate}((dx)**(-1+1/2*n)*(-a*h+c*f*x**(1/2*n)+c*g*x**(3/2*n)+c*h*x**(2*n)))/(a+b*x**n+c*x**(2*n))**(3/2), x)$

[Out] Timed out

3.8

$$\int (gx)^m (a + bx^n + cx^{2n})^p (a(1+m) + b(1+m+n+np)x^n + c(1+m+2n(1+p))x^{2n}) dx = \frac{(gx)^{1+m} (a + bx^n + cx^{2n})^{p+1}}{g}$$

Optimal. Leaf size=29

$$\frac{(gx)^{m+1} (a + bx^n + cx^{2n})^{p+1}}{g}$$

Rubi [A] time = 0.07, antiderivative size = 29, normalized size of antiderivative = 1.00, number of steps used = 1, number of rules used = 1, integrand size = 56, $\frac{\text{number of rules}}{\text{integrand size}} = 0.018$, Rules used = {1747}

$$\frac{(gx)^{m+1} (a + bx^n + cx^{2n})^{p+1}}{g}$$

Antiderivative was successfully verified.

[In] Int[(g*x)^(m*(a + b*x^n + c*x^(2*n)))^p*(a*(1 + m) + b*(1 + m + n + n*p)*x^n + c*(1 + m + 2*n*(1 + p))*x^(2*n)),x]

[Out] ((g*x)^(1 + m)*(a + b*x^n + c*x^(2*n))^(1 + p))/g

Rule 1747

Int[((g_)*(x_))^(m_)*((a_) + (b_)*(x_)^(n_) + (c_)*(x_)^(n2_))^(p_)*((d_) + (e_)*(x_)^(n_) + (f_)*(x_)^(n2_)), x_Symbol] :> Simp[(d*(g*x)^(m + 1)*(a + b*x^n + c*x^(2*n))^(p + 1))/(a*g*(m + 1)), x] /; FreeQ[{a, b, c, d, e, f, g, m, n, p}, x] && EqQ[n2, 2*n] && EqQ[a*e*(m + 1) - b*d*(m + n*(p + 1) + 1), 0] && EqQ[a*f*(m + 1) - c*d*(m + 2*n*(p + 1) + 1), 0] && NeQ[m, -1]

Rubi steps

$$\int (gx)^m (a + bx^n + cx^{2n})^p (a(1+m) + b(1+m+n+np)x^n + c(1+m+2n(1+p))x^{2n}) dx = \frac{(gx)^{1+m} (a + bx^n + cx^{2n})^{p+1}}{g}$$

Mathematica [A] time = 0.43, size = 24, normalized size = 0.83

$$x(gx)^m (a + x^n (b + cx^n))^{p+1}$$

Antiderivative was successfully verified.

[In] Integrate[(g*x)^(m*(a + b*x^n + c*x^(2*n)))^p*(a*(1 + m) + b*(1 + m + n + n*p)*x^n + c*(1 + m + 2*n*(1 + p))*x^(2*n)),x]

[Out] x*(g*x)^(m*(a + x^n*(b + c*x^n)))^(1 + p)

IntegrateAlgebraic [F] time = 0.78, size = 0, normalized size = 0.00

$$\int (gx)^m (a + bx^n + cx^{2n})^p (a(1+m) + b(1+m+n+np)x^n + c(1+m+2n(1+p))x^{2n}) dx$$

Verification is not applicable to the result.

[In] IntegrateAlgebraic[(g*x)^(m*(a + b*x^n + c*x^(2*n)))^p*(a*(1 + m) + b*(1 + m + n + n*p)*x^n + c*(1 + m + 2*n*(1 + p))*x^(2*n)),x]

[Out] Defer[IntegrateAlgebraic] [(g*x)^(m*(a + b*x^n + c*x^(2*n)))^p*(a*(1 + m) + b*(1 + m + n + n*p)*x^n + c*(1 + m + 2*n*(1 + p))*x^(2*n)), x]

fricas [B] time = 1.05, size = 65, normalized size = 2.24

$$\left(cxx^{2n}e^{(m\log(g)+m\log(x))} + bxx^n e^{(m\log(g)+m\log(x))} + axe^{(m\log(g)+m\log(x))} \right) (cx^{2n} + bx^n + a)^p$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((g*x)^(m*(a+b*x^n+c*x^(2*n)))^p*(a*(1+m)+b*(n*p+m+n+1)*x^n+c*(1+m+2*n*(1+p))*x^(2*n)),x, algorithm="fricas")

[Out] (c*x*x^(2*n)*e^(m*log(g) + m*log(x)) + b*x*x^n*e^(m*log(g) + m*log(x)) + a*x*e^(m*log(g) + m*log(x)))*(c*x^(2*n) + b*x^n + a)^p

giac [B] time = 1.55, size = 96, normalized size = 3.31

$$(cx^{2n} + bx^n + a)^p cxx^{2n}e^{(m\log(g)+m\log(x))} + (cx^{2n} + bx^n + a)^p bxx^n e^{(m\log(g)+m\log(x))} + (cx^{2n} + bx^n + a)^p axe^{(m\log(g)+m\log(x))}$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((g*x)^(m*(a+b*x^n+c*x^(2*n)))^p*(a*(1+m)+b*(n*p+m+n+1)*x^n+c*(1+m+2*n*(1+p))*x^(2*n)),x, algorithm="giac")

[Out] (c*x^(2*n) + b*x^n + a)^p*c*x*x^(2*n)*e^(m*log(g) + m*log(x)) + (c*x^(2*n) + b*x^n + a)^p*b*x*x^n*e^(m*log(g) + m*log(x)) + (c*x^(2*n) + b*x^n + a)^p*a*x*e^(m*log(g) + m*log(x))

maple [F] time = 0.06, size = 0, normalized size = 0.00

$$\int \left((pn + m + n + 1)bx^n + (m + 2(p + 1)n + 1)cx^{2n} + (m + 1)a \right) (gx)^m (bx^n + cx^{2n} + a)^p dx$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int((g*x)^(m*(b*x^n+c*x^(2*n)+a))^p*(a*(m+1)+b*(n*p+m+n+1)*x^n+c*(1+m+2*(p+1)*n)*x^(2*n)),x)

[Out] int((g*x)^(m*(b*x^n+c*x^(2*n)+a))^p*(a*(m+1)+b*(n*p+m+n+1)*x^n+c*(1+m+2*(p+1)*n)*x^(2*n)),x)

maxima [B] time = 1.18, size = 60, normalized size = 2.07

$$\left(ag^mxx^m + cg^mxe^{(m\log(x)+2n\log(x))} + bg^mxe^{(m\log(x)+n\log(x))} \right) (cx^{2n} + bx^n + a)^p$$

Verification of antiderivative is not currently implemented for this CAS.

[In] integrate((g*x)^(m*(a+b*x^n+c*x^(2*n)))^p*(a*(1+m)+b*(n*p+m+n+1)*x^n+c*(1+m+2*n*(1+p))*x^(2*n)),x, algorithm="maxima")

[Out] (a*g^m*x*x^m + c*g^m*x*e^(m*log(x) + 2*n*log(x)) + b*g^m*x*e^(m*log(x) + n*log(x)))*(c*x^(2*n) + b*x^n + a)^p

mupad [B] time = 2.25, size = 50, normalized size = 1.72

$$\left(ax(gx)^m + bxx^n(gx)^m + cxx^{2n}(gx)^m \right) (a + bx^n + cx^{2n})^p$$

Verification of antiderivative is not currently implemented for this CAS.

[In] int((g*x)^(m*(a + b*x^n + c*x^(2*n)))^p*(a*(m + 1) + b*x^n*(m + n + n*p + 1) + c*x^(2*n)*(m + 2*n*(p + 1) + 1)),x)

[Out] $(a*x*(g*x)^m + b*x*x^n*(g*x)^m + c*x*x^{(2*n)}*(g*x)^m)*(a + b*x^n + c*x^{(2*n)})^p$

sympy [F(-1)] time = 0.00, size = 0, normalized size = 0.00

Timed out

Verification of antiderivative is not currently implemented for this CAS.

[In] `integrate((g*x)**m*(a+b*x**n+c*x**(2*n))**p*(a*(1+m)+b*(n*p+m+n+1)*x**n+c*(1+m+2*n*(1+p))*x**(2*n)),x)`

[Out] Timed out

Chapter 4

Appendix

Local contents

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4.1 Download section

The following zip files contain the raw integrals used in this test.

This is a subset of Rubi test suite thanks to Albert Rich, which includes only the algebraic integrals with elementray optimal antiderivatives. It also includes a subset of a test file provided thanks to Sam Blake.

Mathematica format Mathematica_syntax_CAS_integration_elementary_version.zip

Maple and Mupad format Maple_syntax_CAS_integration_elementary_version.zip

Sympy format SYMPY_syntax_CAS_integration_elementary_version.zip

Sage math format SAGE_syntax_CAS_integration_elementary_version.zip

4.2 Listing of Grading functions

The following are the current version of the grading functions used for grading the quality of the antiderivative with reference to the optimal antiderivative included in the test suite.

There is a version for Maple and for Mathematica/Rubi. There is a version for grading Sympy and version for use with Sagemath.

The following are links to the current source code.

The following are the listings of source code of the grading functions.

4.2.1 Mathematica and Rubi grading function

```
(* Original version thanks to Albert Rich emailed on 03/21/2017 *)
(* ::Package:: *)

(* ::Subsection:: *)
(*GradeAntiderivative[result,optimal]*)

(* ::Text:: *)
(*If result and optimal are mathematical expressions, *)
(*      GradeAntiderivative[result,optimal] returns*)
(* "F" if the result fails to integrate an expression that*)
(*      is integrable*)
(* "C" if result involves higher level functions than necessary*)
(* "B" if result is more than twice the size of the optimal*)
(*      antiderivative*)
(* "A" if result can be considered optimal*)

GradeAntiderivative[result_,optimal_] :=
  If[ExpnType[result]<=ExpnType[optimal],
    If[FreeQ[result,Complex] || Not[FreeQ[optimal,Complex]],
      If[LeafCount[result]<=2*LeafCount[optimal],
        "A",
        "B"],
      "C"],
    If[FreeQ[result,Integrate] && FreeQ[result,Int],
      "C",
      "F"]]

(* ::Text:: *)
(*The following summarizes the type number assigned an *)
(*expression based on the functions it involves*)
(*1 = rational function*)
```

```

(*2 = algebraic function*)
(*3 = elementary function*)
(*4 = special function*)
(*5 = hyperpergeometric function*)
(*6 = appell function*)
(*7 = rootsum function*)
(*8 = integrate function*)
(*9 = unknown function*)

ExpnType[expn_] :=
  If[AtomQ[expn],
    1,
    If[ListQ[expn],
      Max[Map[ExpnType, expn]],
      If[Head[expn]===Power,
        If[IntegerQ[expn[[2]]],
          ExpnType[expn[[1]]],
          If[Head[expn[[2]]]===Rational,
            If[IntegerQ[expn[[1]]] || Head[expn[[1]]]===Rational,
              1,
              Max[ExpnType[expn[[1]], 2]],
            Max[ExpnType[expn[[1]], ExpnType[expn[[2]], 3]]],
          If[Head[expn]===Plus || Head[expn]===Times,
            Max[ExpnType[First[expn]], ExpnType[Rest[expn]]],
            If[ElementaryFunctionQ[Head[expn]],
              Max[3, ExpnType[expn[[1]]]],
            If[SpecialFunctionQ[Head[expn]],
              Apply[Max, Append[Map[ExpnType, Apply[List, expn]], 4]],
            If[HypergeometricFunctionQ[Head[expn]],
              Apply[Max, Append[Map[ExpnType, Apply[List, expn]], 5]],
            If[AppellFunctionQ[Head[expn]],
              Apply[Max, Append[Map[ExpnType, Apply[List, expn]], 6]],
            If[Head[expn]===RootSum,
              Apply[Max, Append[Map[ExpnType, Apply[List, expn]], 7]],
            If[Head[expn]===Integrate || Head[expn]===Int,
              Apply[Max, Append[Map[ExpnType, Apply[List, expn]], 8]],
            9]]]]]]]]]]

ElementaryFunctionQ[func_] :=
  MemberQ[{
    Exp, Log,
    Sin, Cos, Tan, Cot, Sec, Csc,
    ArcSin, ArcCos, ArcTan, ArcCot, ArcSec, ArcCsc,
    Sinh, Cosh, Tanh, Coth, Sech, Csch,
    ArcSinh, ArcCosh, ArcTanh, ArcCoth, ArcSech, ArcCsch
  }, func]

SpecialFunctionQ[func_] :=
  MemberQ[{
    Erf, Erfc, Erfi,
    FresnelS, FresnelC,
    ExpIntegralE, ExpIntegralEi, LogIntegral,
    SinIntegral, CosIntegral, SinhIntegral, CoshIntegral,
    Gamma, LogGamma, PolyGamma,
    Zeta, PolyLog, ProductLog,
    EllipticF, EllipticE, EllipticPi
  }, func]

HypergeometricFunctionQ[func_] :=

```

```
MemberQ[{Hypergeometric1F1,Hypergeometric2F1,HypergeometricPFQ},func]
```

```
AppellFunctionQ[func_] :=
  MemberQ[{AppellF1},func]
```

4.2.2 Maple grading function

```
# File: GradeAntiderivative.mpl
# Original version thanks to Albert Rich emailed on 03/21/2017

#Nasser 03/22/2017 Use Maple leaf count instead since buildin
#Nasser 03/23/2017 missing 'ln' for ElementaryFunctionQ added
#Nasser 03/24/2017 corrected the check for complex result
#Nasser 10/27/2017 check for leafsize and do not call ExpnType()
#                    if leaf size is "too large". Set at 500,000
#Nasser 12/22/2019 Added debug flag, added 'dilog' to special functions
#                    see problem 156, file Apostol_Problems

GradeAntiderivative := proc(result,optimal)
local leaf_count_result, leaf_count_optimal,ExpnType_result,ExpnType_optimal,
    debug:=false;

    leaf_count_result:=leafcount(result);
    #do NOT call ExpnType() if leaf size is too large. Recursion problem
    if leaf_count_result > 500000 then
        return "B";
    fi;

    leaf_count_optimal:=leafcount(optimal);

    ExpnType_result:=ExpnType(result);
    ExpnType_optimal:=ExpnType(optimal);

    if debug then
        print("ExpnType_result",ExpnType_result," ExpnType_optimal=",
ExpnType_optimal);
    fi;

# If result and optimal are mathematical expressions,
# GradeAntiderivative[result,optimal] returns
# "F" if the result fails to integrate an expression that
# is integrable
# "C" if result involves higher level functions than necessary
# "B" if result is more than twice the size of the optimal
# antiderivative
# "A" if result can be considered optimal

#This check below actually is not needed, since I only
#call this grading only for passed integrals. i.e. I check
#for "F" before calling this. But no harm of keeping it here.
#just in case.

if not type(result,freeof('int')) then
    return "F";
end if;

if ExpnType_result<=ExpnType_optimal then
    if debug then
        print("ExpnType_result<=ExpnType_optimal");
    fi;

```



```

if is_contains_complex(result) then
  if is_contains_complex(optimal) then
    if debug then
      print("both result and optimal complex");
    fi;
    #both result and optimal complex
    if leaf_count_result<=2*leaf_count_optimal then
      return "A";
    else
      return "B";
    end if
  else #result contains complex but optimal is not
    if debug then
      print("result contains complex but optimal is not");
    fi;
    return "C";
  end if
else # result do not contain complex
  # this assumes optimal do not as well
  if debug then
    print("result do not contain complex, this assumes optimal do
not as well");
  fi;
  if leaf_count_result<=2*leaf_count_optimal then
    if debug then
      print("leaf_count_result<=2*leaf_count_optimal");
    fi;
    return "A";
  else
    if debug then
      print("leaf_count_result>2*leaf_count_optimal");
    fi;
    return "B";
  end if
end if
else #ExpnType(result) > ExpnType(optimal)
  if debug then
    print("ExpnType(result) > ExpnType(optimal)");
  fi;
  return "C";
end if

end proc:

#
# is_contains_complex(result)
# takes expressions and returns true if it contains "I" else false
#
#Nasser 032417
is_contains_complex:= proc(expression)
  return (has(expression,I));
end proc:

# The following summarizes the type number assigned an expression
# based on the functions it involves
# 1 = rational function
# 2 = algebraic function
# 3 = elementary function
# 4 = special function
# 5 = hyperpergeometric function
# 6 = appell function
# 7 = rootsum function
# 8 = integrate function

```

```

# 9 = unknown function

ExpnType := proc(expn)
  if type(expn,'atomic') then
    1
  elif type(expn,'list') then
    apply(max,map(ExpnType,expn))
  elif type(expn,'sqrt') then
    if type(op(1,expn),'rational') then
      1
    else
      max(2,ExpnType(op(1,expn)))
    end if
  elif type(expn,'^^') then
    if type(op(2,expn),'integer') then
      ExpnType(op(1,expn))
    elif type(op(2,expn),'rational') then
      if type(op(1,expn),'rational') then
        1
      else
        max(2,ExpnType(op(1,expn)))
      end if
    else
      max(3,ExpnType(op(1,expn)),ExpnType(op(2,expn)))
    end if
  elif type(expn,'+' or type(expn,'*') then
    max(ExpnType(op(1,expn)),max(ExpnType(rest(expn))))
  elif ElementaryFunctionQ(op(0,expn)) then
    max(3,ExpnType(op(1,expn)))
  elif SpecialFunctionQ(op(0,expn)) then
    max(4,apply(max,map(ExpnType,[op(expn)])))
  elif HypergeometricFunctionQ(op(0,expn)) then
    max(5,apply(max,map(ExpnType,[op(expn)])))
  elif AppellFunctionQ(op(0,expn)) then
    max(6,apply(max,map(ExpnType,[op(expn)])))
  elif op(0,expn)='int' then
    max(8,apply(max,map(ExpnType,[op(expn)]))) else
    9
  end if
end proc:

ElementaryFunctionQ := proc(func)
  member(func,[
    exp,log,ln,
    sin,cos,tan,cot,sec,csc,
    arcsin,arccos,arctan,arccot,arcsec,arccsc,
    sinh,cosh,tanh,coth,sech,csch,
    arcsinh,arccosh,arctanh,arccoth,arcsech,arccsch])
end proc:

SpecialFunctionQ := proc(func)
  member(func,[
    erf,erfc,erfi,
    FresnelS,FresnelC,
    Ei,Ei,Li,Si,Ci,Shi,Chi,
    GAMMA,lnGAMMA,Psi,Zeta,polylog,dilog,LambertW,
    EllipticF,EllipticE,EllipticPi])
end proc:

HypergeometricFunctionQ := proc(func)
  member(func,[Hypergeometric1F1,hypergeom,HypergeometricPFQ])
end proc:

```

```

AppellFunctionQ := proc(func)
  member(func,[AppellF1])
end proc:

# u is a sum or product. rest(u) returns all but the
# first term or factor of u.
rest := proc(u) local v;
  if nops(u)=2 then
    op(2,u)
  else
    apply(op(0,u),op(2..nops(u),u))
  end if
end proc:

#leafcount(u) returns the number of nodes in u.
#Nasser 3/23/17 Replaced by build-in leafCount from package in Maple
leafcount := proc(u)
  MmaTranslator[Mma][LeafCount](u);
end proc:

```

4.2.3 Sympy grading function

```

#Dec 24, 2019. Nasser M. Abbasi:
#           Port of original Maple grading function by
#           Albert Rich to use with Sympy/Python
#Dec 27, 2019 Nasser. Added `RootSum`. See problem 177, Timofeev file
#           added 'exp_polar'
from sympy import *

def leaf_count(expr):
  #sympy do not have leaf count function. This is approximation
  return round(1.7*count_ops(expr))

def is_sqrt(expr):
  if isinstance(expr,Pow):
    if expr.args[1] == Rational(1,2):
      return True
    else:
      return False
  else:
    return False

def is_elementary_function(func):
  return func in [exp,log,ln,sin,cos,tan,cot,sec,csc,
                 asin,acos,atan,acot,asec,acsc,sinh,cosh,tanh,coth,sech,csch,
                 asinh,acosh,atanh,acoth,asech,acsch
                 ]

def is_special_function(func):
  return func in [ erf,erfc,erfi,
                 fresnels,fresnelc,Ei,Ei,Li,Si,Ci,Shi,Chi,
                 gamma,loggamma,digamma,zeta,polylog,LambertW,
                 elliptic_f,elliptic_e,elliptic_pi,exp_polar
                 ]

def is_hypergeometric_function(func):
  return func in [hyper]

def is_appell_function(func):
  return func in [appellf1]

def is_atom(expn):

```

```

try:
    if expn.isAtom or isinstance(expn,int) or isinstance(expn,float):
        return True
    else:
        return False

except AttributeError as error:
    return False

def expnType(expn):
    debug=False
    if debug:
        print("expn=",expn,"type(expn)=",type(expn))

    if is_atom(expn):
        return 1
    elif isinstance(expn,list):
        return max(map(expnType, expn)) #apply(max,map(ExpnType,expn))
    elif is_sqrt(expn):
        if isinstance(expn.args[0],Rational): #type(op(1,expn),'rational')
            return 1
        else:
            return max(2,expnType(expn.args[0])) #max(2,ExpnType(op(1,expn)))
    elif isinstance(expn,Pow): #type(expn,'^^')
        if isinstance(expn.args[1],Integer): #type(op(2,expn),'integer')
            return expnType(expn.args[0]) #ExpnType(op(1,expn))
        elif isinstance(expn.args[1],Rational): #type(op(2,expn),'rational')
            if isinstance(expn.args[0],Rational): #type(op(1,expn),'rational')
                return 1
            else:
                return max(2,expnType(expn.args[0])) #max(2,ExpnType(op(1,expn)))
    )))
    else:
        return max(3,expnType(expn.args[0]),expnType(expn.args[1])) #max(3,
ExpnType(op(1,expn)),ExpnType(op(2,expn)))
    elif isinstance(expn,Add) or isinstance(expn,Mul): #type(expn,'^+^') or
type(expn,'*^')
        m1 = expnType(expn.args[0])
        m2 = expnType(list(expn.args[1:]))
        return max(m1,m2) #max(ExpnType(op(1,expn)),max(ExpnType(rest(expn))))
    elif is_elementary_function(expn.func): #ElementaryFunctionQ(op(0,expn))
        return max(3,expnType(expn.args[0])) #max(3,ExpnType(op(1,expn)))
    elif is_special_function(expn.func): #SpecialFunctionQ(op(0,expn))
        m1 = max(map(expnType, list(expn.args)))
        return max(4,m1) #max(4,apply(max,map(ExpnType,[op(expn)])))
    elif is_hypergeometric_function(expn.func): #HypergeometricFunctionQ(op(0,
expn))
        m1 = max(map(expnType, list(expn.args)))
        return max(5,m1) #max(5,apply(max,map(ExpnType,[op(expn)])))
    elif is_appell_function(expn.func):
        m1 = max(map(expnType, list(expn.args)))
        return max(6,m1) #max(5,apply(max,map(ExpnType,[op(expn)])))
    elif isinstance(expn,RootSum):
        m1 = max(map(expnType, list(expn.args))) #Apply[Max,Append[Map[ExpnType
,Apply[List,expn]],7]],
        return max(7,m1)
    elif str(expn).find("Integral") != -1:
        m1 = max(map(expnType, list(expn.args)))
        return max(8,m1) #max(5,apply(max,map(ExpnType,[op(expn)])))
    else:
        return 9

#main function

```

```

def grade_antiderivative(result,optimal):

    leaf_count_result = leaf_count(result)
    leaf_count_optimal = leaf_count(optimal)

    expnType_result = expnType(result)
    expnType_optimal = expnType(optimal)

    if str(result).find("Integral") != -1:
        return "F"

    if expnType_result <= expnType_optimal:
        if result.has(I):
            if optimal.has(I): #both result and optimal complex
                if leaf_count_result <= 2*leaf_count_optimal:
                    return "A"
                else:
                    return "B"
            else: #result contains complex but optimal is not
                return "C"
        else: # result do not contain complex, this assumes optimal do not as
well
            if leaf_count_result <= 2*leaf_count_optimal:
                return "A"
            else:
                return "B"
    else:
        return "C"

```

4.2.4 SageMath grading function

```

#Dec 24, 2019. Nasser: Ported original Maple grading function by
#           Albert Rich to use with Sagemath. This is used to
#           grade Fracas, Giac and Maxima results.
#Dec 24, 2019. Nasser: Added 'exp_integral_e' and 'sng', 'sin_integral'
#           'arctan2','floor','abs','log_integral'

from sage.all import *
from sage.symbolic.operators import add_vararg, mul_vararg

debug=False;

def tree_size(expr):
    r"""
    Return the tree size of this expression.
    """
    if expr not in SR:
        # deal with lists, tuples, vectors
        return 1 + sum(tree_size(a) for a in expr)
    expr = SR(expr)
    x, aa = expr.operator(), expr.operands()
    if x is None:
        return 1
    else:
        return 1 + sum(tree_size(a) for a in aa)

def is_sqrt(expr):
    if expr.operator() == operator.pow: # isinstance(expr,Pow):
        if expr.operands()[1]==1/2: #expr.args[1] == Rational(1,2):
            if debug: print ("expr is sqrt")
            return True
        else:
            return False

```

```

else:
    return False

def is_elementary_function(func):
    debug=False
    m = func.name() in ['exp','log','ln',
        'sin','cos','tan','cot','sec','csc',
        'arcsin','arccos','arctan','arccot','arcsec','arccsc',
        'sinh','cosh','tanh','coth','sech','csch',
        'arcsinh','arccosh','arctanh','arccoth','arcsech','arccsch','sgn',
        'arctan2','floor','abs'
    ]
    if debug:
        if m:
            print ("func ", func , " is elementary_function")
        else:
            print ("func ", func , " is NOT elementary_function")

    return m

def is_special_function(func):
    debug=False
    if debug: print ("type(func)=", type(func))

    m= func.name() in ['erf','erfc','erfi','fresnel_sin','fresnel_cos','Ei',
        'Ei','Li','Si','sin_integral','Ci','cos_integral','Shi','
sinh_integral'
        'Chi','cosh_integral','gamma','log_gamma','psi,zeta',
        'polylog','lambert_w','elliptic_f','elliptic_e',
        'elliptic_pi','exp_integral_e','log_integral']

    if debug:
        print ("m=",m)
        if m:
            print ("func ", func ," is special_function")
        else:
            print ("func ", func ," is NOT special_function")

    return m

def is_hypergeometric_function(func):
    return func.name() in ['hypergeometric','hypergeometric_M',
        hypergeometric_U']

def is_appell_function(func):
    return func.name() in ['hypergeometric']    #[appellf1] can't find this in
    sagemath

def is_atom(expn):

    debug=False
    if debug: print ("Enter is_atom")

    #thanks to answer at https://ask.sagemath.org/question/49179/what-is-sagemath-equivalent-to-atomic-type-in-maple/
    try:
        if expn.parent() is SR:
            return expn.operator() is None
        if expn.parent() in (ZZ, QQ, AA, QQbar):

```

```

        return expn in expn.parent() # Should always return True
        if hasattr(expn.parent(),"base_ring") and hasattr(expn.parent(),"gens")
:
            return expn in expn.parent().base_ring() or expn in expn.parent().
gens()
        return False

    except AttributeError as error:
        return False

def expnType(expn):

    if debug:
        print (">>>>>Enter expnType, expn=", expn)
        print (">>>>>is_atom(expn)=", is_atom(expn))

    if is_atom(expn):
        return 1
    elif type(expn)==list:    #isinstance(expn,list):
        return max(map(expnType, expn))    #apply(max,map(ExpnType,expn))
    elif is_sqrt(expn):
        if type(expn.operands()[0])==Rational: #type(isinstance(expn.args[0],
Rational):
            return 1
        else:
            return max(2,expnType(expn.operands()[0]))    #max(2,expnType(expn.
args[0]))
    elif expn.operator() == operator.pow:    #isinstance(expn,Pow)
        if type(expn.operands()[1])==Integer:    #isinstance(expn.args[1],Integer
)
            return expnType(expn.operands()[0])    #expnType(expn.args[0])
        elif type(expn.operands()[1])==Rational:    #isinstance(expn.args[1],
Rational)
            if type(expn.operands()[0])==Rational: #isinstance(expn.args[0],
Rational)
                return 1
            else:
                return max(2,expnType(expn.operands()[0]))    #max(2,expnType(
expn.args[0]))
        else:
            return max(3,expnType(expn.operands()[0]),expnType(expn.operands()
[1])) #max(3,expnType(expn.operands()[0]),expnType(expn.operands()[1]))
    elif expn.operator() == add_vararg or expn.operator() == mul_vararg: #
isinstance(expn,Add) or isinstance(expn,Mul)
        m1 = expnType(expn.operands()[0]) #expnType(expn.args[0])
        m2 = expnType(expn.operands()[1:]) #expnType(list(expn.args[1:]))
        return max(m1,m2)    #max(ExpnType(op(1,expn)),max(ExpnType(rest(expn)))
    elif is_elementary_function(expn.operator()):    #is_elementary_function(expn
.func)
        return max(3,expnType(expn.operands()[0]))
    elif is_special_function(expn.operator()): #is_special_function(expn.func)
        m1 = max(map(expnType, expn.operands()))    #max(map(expnType, list(
expn.args)))
        return max(4,m1)    #max(4,m1)
    elif is_hypergeometric_function(expn.operator()): #
is_hypergeometric_function(expn.func)
        m1 = max(map(expnType, expn.operands()))    #max(map(expnType, list(
expn.args)))
        return max(5,m1)    #max(5,m1)
    elif is_appell_function(expn.operator()):
        m1 = max(map(expnType, expn.operands()))    #max(map(expnType, list(
expn.args)))

```

```

    return max(6,m1)    #max(6,m1)
elif str(expn).find("Integral") != -1: #this will never happen, since it
    #is checked before calling the grading function that is passed.
    #but kept it here.
    m1 = max(map(expnType, expn.operands()))    #max(map(expnType, list(
expn.args)))
    return max(8,m1)    #max(5,apply(max,map(ExpnType,[op(expn)])))
else:
    return 9

#main function
def grade_antiderivative(result,optimal):

    if debug: print ("Enter grade_antiderivative for sagemath")

    leaf_count_result = tree_size(result) #leaf_count(result)
    leaf_count_optimal = tree_size(optimal) #leaf_count(optimal)

    if debug: print ("leaf_count_result=", leaf_count_result, "
leaf_count_optimal=",leaf_count_optimal)

    expnType_result = expnType(result)
    expnType_optimal = expnType(optimal)

    if debug: print ("expnType_result=", expnType_result, "expnType_optimal=",
expnType_optimal)

    if expnType_result <= expnType_optimal:
        if result.has(I):
            if optimal.has(I): #both result and optimal complex
                if leaf_count_result <= 2*leaf_count_optimal:
                    return "A"
                else:
                    return "B"
            else: #result contains complex but optimal is not
                return "C"
        else: # result do not contain complex, this assumes optimal do not as
well
            if leaf_count_result <= 2*leaf_count_optimal:
                return "A"
            else:
                return "B"
    else:
        return "C"

```