```
num: (3, 2)
length: 3
word: b^1, a^-1, b^2
matrix: [[1, 0], [2, 4]]
num: (5, 2)
length: 5
word: b^1, a^-1, b^1, a^-1, b^-2
matrix: [[1, 0], [-2, 16]]
num: (7, 2)
length: 13
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^-1, a^-1, b^-1, a^1, b^-2
matrix: [[1, 0], [-718, 4096]]
num: (2, 3)
length: 3
word: b^1, a^-1, b^-3
matrix: [[1, 0], [-3, 9]]
num: (4, 3)
length: 3
word: b^1, a^-1, b^3
matrix: [[1, 0], [3, 9]]
num: (5, 3)
length: 5
word: b^1, a^-1, b^2, a^-1, b^-3
matrix: [[1, 0], [-12, 81]]
num: (7, 3)
length: 7
word: b^1, a^-1, b^1, a^-2, b^2, a^-1, b^3
matrix: [[1, 0], [129, 729]]
num: (8, 3)
length: 5
word: b^1, a^-1, b^1, a^-1, b^6
matrix: [[1, 0], [6, 81]]
num: (10, 3)
length: 13
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^2, a^-1, b^1, a^1, b^-2, a^1, b^6
matrix: [[1, 0], [25068, 531441]]
num: (11, 3)
length: 23
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^-1, a^-1, b^1, a^-3, b^-1,
a^2, b^2, a^-1, b^1, a^-1, b^1, a^-2, b^3
```

```
matrix: [[1, 0], [337396290, 3486784401]]
num: (3, 4)
length: 3
word: b^1, a^-1, b^-4
matrix: [[1, 0], [-4, 16]]
num: (5, 4)
length: 3
word: b^1, a^-1, b^4
matrix: [[1, 0], [4, 16]]
num: (7, 4)
length: 5
word: b^1, a^-1, b^1, a^2, b^-2
matrix: [[1, 0], [-20, 64]]
num: (9, 4)
length: 5
word: b^1, a^-1, b^1, a^-2, b^-2
matrix: [[1, 0], [-12, 64]]
num: (11, 4)
length: 7
word: b^1, a^-1, b^1, a^-1, b^2, a^1, b^-4
matrix: [[1, 0], [-100, 1024]]
num: (13, 4)
length: 7
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^36
matrix: [[1, 0], [36, 4096]]
num: (15, 4)
length: 31
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-2, b^1, a^-1, b^-1,
a^1, b^-1, a^1, b^-1, a^-2, b^-3, a^1, b^1, a^-1, b^1, a^-1, b^1, a^4, b^1, a^-4, b^-5
matrix: [[1, 0], [-14801395187124, 281474976710656]]
num: (2, 5)
length: 3
word: b^2, a^-1, b^-10
matrix: [[1, 0], [-5, 25]]
num: (3, 5)
length: 3
word: b^2, a^-1, b^10
matrix: [[1, 0], [5, 25]]
num: (4, 5)
```

```
length: 3
word: b^1, a^-1, b^-5
matrix: [[1, 0], [-5, 25]]
num: (6, 5)
length: 3
word: b^1, a^-1, b^5
matrix: [[1, 0], [5, 25]]
num: (7, 5)
length: 7
word: b^1, a^-1, b^3, a^-1, b^-2, a^2, b^5
matrix: [[1, 0], [2065, 15625]]
num: (8, 5)
length: 5
word: b^1, a^-1, b^2, a^-2, b^5
matrix: [[1, 0], [85, 625]]
num: (9, 5)
length: 7
word: b^1, a^-1, b^1, a^2, b^3, a^-1, b^-5
matrix: [[1, 0], [-1530, 15625]]
num: (11, 5)
length: 11
word: b^1, a^-1, b^1, a^-3, b^2, a^-1, b^-1, a^-2, b^3, a^-1, b^5
matrix: [[1, 0], [995855, 9765625]]
num: (12, 5)
length: 7
word: b^1, a^-1, b^1, a^-1, b^-1, a^5, b^-1
matrix: [[1, 0], [-285, 625]]
num: (13, 5)
length: 5
word: b^1, a^-1, b^1, a^-1, b^-15
matrix: [[1, 0], [-15, 625]]
num: (14, 5)
length: 7
word: b^1, a^-1, b^1, a^-1, b^2, a^-2, b^10
matrix: [[1, 0], [570, 15625]]
num: (16, 5)
length: 9
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^-2, a^3, b^15
matrix: [[1, 0], [8080, 390625]]
```

```
num: (17, 5)
length: 19
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^5, b^-1, a^-2, b^1, a^1, b^2, a^-1, b^3, a^-
1, b^1, a^-1, b^-10
matrix: [[1, 0], [-4264153760, 152587890625]]
num: (18, 5)
length: 19
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^2, b^-1, a^3, b^-1, a^-1, b^-1,
a^7, b^6, a^-1, b^10
matrix: [[1, 0], [109141648260, 3814697265625]]
num: (19, 5)
length: 37
word: b^1, a^-1, b^2, a^-1, b^1, 
a^1, b^1, a^-1, b^1, a^4, b^-1, a^1, b^1, a^-4, b^1, a^-1, b^-1, a^2, b^1, a^3, b^2, a^-1,
b^53, a^1, b^-1, a^-1, b^-5
matrix: [[1, 0], [-737284200889922284276330, 14551915228366851806640625]]
num: (5, 6)
length: 3
word: b^1, a^-1, b^-6
matrix: [[1, 0], [-6, 36]]
num: (7, 6)
length: 3
word: b^1, a^-1, b^6
matrix: [[1, 0], [6, 36]]
num: (11, 6)
length: 5
word: b^1, a^-1, b^1, a^3, b^-2
matrix: [[1, 0], [-42, 144]]
num: (13, 6)
length: 5
word: b^1, a^-1, b^1, a^-3, b^-2
matrix: [[1, 0], [-30, 144]]
num: (17, 6)
length: 9
word: b^1, a^-1, b^1, a^-1, b^2, a^-1, b^2, a^2, b^-6
matrix: [[1, 0], [-6342, 104976]]
num: (19, 6)
length: 15
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^-1, a^5, b^1, a^1, b^9, a^-1, b^1, a^-1, b^6
matrix: [[1, 0], [56523462, 967458816]]
```

num: (23, 6) length: 75 word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^2, b^1, a^2, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^3, b^-1, a^-12, b^1, a^-1, b^1, a^-2, b^2, a^1, b^16, a^3, b^-2, a^1, b^1, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^6, b^-2, a^-6, b^-1, a^1, b^-1, a^-3, b^17, a^-1, b^-2 matrix: [[1, 0], [-52365965511443238141505882491051635154, 454658218573929784111766025256801665024]] num: (2, 7) length: 3 word: b^3, a^-1, b^-21 matrix: [[1, 0], [-7, 49]] num: (3, 7) length: 3 word: b^2, a^-1, b^-14 matrix: [[1, 0], [-7, 49]] num: (4, 7) length: 3 word: b^2, a^-1, b^14 matrix: [[1, 0], [7, 49]] num: (5, 7) length: 5 word: b^1, a^-1, b^-3, a^-3, b^7 matrix: [[1, 0], [511, 2401]] num: (6, 7) length: 3 word: b^1, a^-1, b^-7 matrix: [[1, 0], [-7, 49]] num: (8, 7) length: 3 word: b^1, a^-1, b^7 matrix: [[1, 0], [7, 49]] num: (9, 7) length: 7 word: b^1, a^-1, b^4, a^-2, b^2, a^-3, b^-7 matrix: [[1, 0], [-12516, 117649]] num: (10, 7) length: 5 word: b^1, a^-1, b^2, a^2, b^7

matrix: [[1, 0], [231, 2401]]

```
num: (11, 7)
length: 11
word: b^1, a^-1, b^2, a^-3, b^1, a^1, b^1, a^8, b^2, a^2, b^-7
matrix: [[1, 0], [-26733161, 282475249]]
num: (12, 7)
length: 7
word: b^1, a^-1, b^1, a^2, b^-1, a^-7, b^-1
matrix: [[1, 0], [-1302, 2401]]
num: (13, 7)
length: 15
word: b^1, a^-1, b^1, a^3, b^2, a^2, b^-1, a^-1, b^-2, a^1, b^3, a^-1, b^-3, a^7, b^-1
matrix: [[1, 0], [-8088676820, 13841287201]]
num: (15, 7)
length: 9
word: b^1, a^-1, b^1, a^-4, b^2, a^-2, b^4, a^-1, b^7
matrix: [[1, 0], [416017, 5764801]]
num: (16, 7)
length: 5
word: b^1, a^-1, b^1, a^-2, b^14
matrix: [[1, 0], [77, 2401]]
num: (17, 7)
length: 17
word: b^1, a^-1, b^1, a^-1, b^-1, a^-4, b^5, a^-1, b^-2, a^2, b^-1, a^-2, b^-1, a^3, b^1,
a<sup>1</sup>, b<sup>1</sup>4
matrix: [[1, 0], [956693158904, 33232930569601]]
num: (18, 7)
length: 7
word: b^1, a^-1, b^1, a^-1, b^-6, a^1, b^-14
matrix: [[1, 0], [-3367, 117649]]
num: (19, 7)
length: 7
word: b^1, a^-1, b^1, a^-1, b^3, a^2, b^14
matrix: [[1, 0], [3059, 117649]]
num: (20, 7)
length: 27
word: b^1, a^-1, b^1, a^-1, b^1, a^1, b^-2, a^1, b^-2, a^-1, b^1, a^-2, b^1, a^-2, b^1, a^-
1, b^-2, a^1, b^-2, a^2, b^-2, a^1, b^1, a^161, b^-4, a^1, b^7
matrix: [[1, 0], [9081423418041870280, 191581231380566414401]]
num: (22, 7)
```

length: 11

word: b^1, a^-1, b^1, a^-1, b^1, a^-2, b^1, a^-1, b^3, a^43, b^-7

matrix: [[1, 0], [-12853330, 282475249]]

num: (23, 7) length: 23

word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^3, a^1, b^1, a^-1, b^1, a^-1, b^1, a^-4, b^-1,

a^1, b^-2, a^-1, b^-1, a^2, b^-1, a^5, b^6482

matrix: [[1, 0], [183575050046885, 3909821048582988049]]

num: (24, 7) length: 15

word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-5, b^-1, a^1, b^-1, a^21, b^-1, a^1, b^-1

matrix: [[1, 0], [-2870385, 5764801]]

num: (25, 7) length: 63

word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^2, a^-1, b^-13, a^1, b^-1, a^1, b^-3, a^3, b^-1, a^1, b^1, a^1,

211587613802425391637729361787678676290060193601]]

num: (26, 7) length: 113

matrix: [[1, 0], [-

5033942843113357769452432089852382562663925644043666159732454044776 756317506414829761715586.

 $1864611341716131449326161680395669897144641585824858341592912074030\\2154318206422517221824801]]$

num: (27, 7) length: 147

word: b^1, a^-1, b^1, a^1, b^-1, a^1, b^1, a^1

```
b^1, a^-1, b^1, a^-1, b^3, a^-1, b^1, a^-1, b^-4, a^-2, b^-1, a^2, b^3, a^-1, b^1, a^-1,
b^1, a^3, b^-2, a^1, b^1, a^-1, b^-5, a^-1, b^2, a^-1, b^2, a^-26, b^1, a^-3, b^-1, a^3, b^-
14
matrix: [[1, 0], [-
9218163502320928009117781857390881746627352689367980197680008121800\\
91730899019682655681374122222906482135494015739948916.
4944447410368420611677552723263003650621645445111595111414093793918
9086681861783742884254926894497682656270887314988886401]]
num: (3, 8)
length: 3
word: b^3, a^-1, b^24
matrix: [[1, 0], [8, 64]]
num: (5, 8)
length: 3
word: b^2, a^-1, b^8
matrix: [[1, 0], [4, 16]]
num: (7, 8)
length: 3
word: b^1, a^-1, b^-8
matrix: [[1, 0], [-8, 64]]
num: (9, 8)
length: 3
word: b^1, a^-1, b^8
matrix: [[1, 0], [8, 64]]
num: (11, 8)
length: 5
word: b^1, a^-1, b^3, a^-2, b^-4
matrix: [[1, 0], [-168, 1024]]
num: (13, 8)
length: 7
word: b^1, a^-1, b^2, a^-2, b^1, a^2, b^-4
matrix: [[1, 0], [-664, 4096]]
num: (15, 8)
length: 5
word: b^1, a^-1, b^1, a^4, b^-2
matrix: [[1, 0], [-72, 256]]
num: (17, 8)
length: 5
word: b^1, a^-1, b^1, a^-4, b^-2
matrix: [[1, 0], [-56, 256]]
```

num: (19, 8) length: 9

word: b^1, a^-1, b^1, a^-2, b^1, a^-5, b^-1, a^4, b^-2

matrix: [[1, 0], [-58600, 262144]]

num: (21, 8) length: 5

word: b^1, a^-1, b^1, a^-1, b^40

matrix: [[1, 0], [40, 4096]]

num: (23, 8) length: 9

word: b^1, a^-1, b^1, a^-1, b^1, a^1, b^-7, a^-6, b^4

matrix: [[1, 0], [370040, 4194304]]

num: (25, 8) length: 9

word: b^1, a^-1, b^1, a^-1, b^1, a^-2, b^1, a^-22, b^-4

matrix: [[1, 0], [-83576, 1048576]]

num: (27, 8) length: 35

word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^1, b^1, a^-1, b^2, a^-2, b^1, a^5, b^-3, a^1, b^1, a^-1, b^3, a^-1, b^1, a^-1, b^4, a^3, b^-1, a^1, b^-1, a^-1, b^1, a^-3, b^-2, a^2, b^1, a^5, b^1, a

a⁵, b⁻¹²⁰

matrix: [[1, 0], [-3058078795848568871868712, 1237940039285380274899124224]]

num: (29, 8) length: 23

word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-6, b^3, a^-2, b^-2, a^1, b^-1, a^-

5, b^-3, a^-1, b^4, a^1, b^-1, a^1, b^24

matrix: [[1, 0], [813378640958440, 72057594037927936]]

num: (31, 8) length: 175

word: b^1, a^-1, b^1,

matrix: [[1, 0],

[92009819163145095881822228453419755729812937615826825973636433248764210383106385518154449168669079706146214529637832619524729781048,

2839213766779714416208296124562517712318911565184836172974571090549 372219192960637992933791850638927971728600024477257552869537611776]]

```
num: (2, 9)
length: 3
word: b^4, a^-1, b^-36
matrix: [[1, 0], [-9, 81]]
num: (4, 9)
length: 3
word: b^2, a^-1, b^-18
matrix: [[1, 0], [-9, 81]]
num: (5, 9)
length: 3
word: b^2, a^-1, b^18
matrix: [[1, 0], [9, 81]]
num: (7, 9)
length: 5
word: b^1, a^-1, b^-4, a^-3, b^3
matrix: [[1, 0], [360, 729]]
num: (8, 9)
length: 3
word: b^1, a^-1, b^-9
matrix: [[1, 0], [-9, 81]]
num: (10, 9)
length: 3
word: b^1, a^-1, b^9
matrix: [[1, 0], [9, 81]]
num: (11, 9)
length: 7
word: b^1, a^-1, b^5, a^-2, b^2, a^3, b^3
matrix: [[1, 0], [14949, 59049]]
num: (13, 9)
length: 5
word: b^1, a^-1, b^2, a^3, b^-3
matrix: [[1, 0], [-180, 729]]
num: (14, 9)
length: 5
word: b^1, a^-1, b^2, a^-3, b^-3
matrix: [[1, 0], [-144, 729]]
num: (16, 9)
```

```
length: 5
word: b^1, a^-1, b^1, a^2, b^-18
matrix: [[1, 0], [-207, 6561]]
num: (17, 9)
length: 9
word: b^1, a^-1, b^1, a^4, b^2, a^2, b^5, a^-1, b^-9
matrix: [[1, 0], [-2376630, 43046721]]
num: (19, 9)
length: 19
word: b^1, a^-1, b^1, a^-5, b^2, a^-2, b^-1, a^-2, b^1, a^1, b^2, a^10, b^1, a^4, b^-2, a^-
2, b^5, a^-1, b^9
matrix: [[1, 0], [8389747684099593, 150094635296999121]]
num: (20, 9)
length: 7
word: b^1, a^-1, b^1, a^-2, b^-1, a^9, b^-1
matrix: [[1, 0], [-3114, 6561]]
num: (22, 9)
length: 13
word: b^1, a^-1, b^1, a^-1, b^-1, a^-2, b^1, a^1, b^2, a^15, b^-1, a^3, b^-3
matrix: [[1, 0], [-502008129, 3486784401]]
num: (23, 9)
length: 13
word: b^1, a^-1, b^1, a^-1, b^-4, a^-4, b^-1, a^-1, b^-1, a^-7, b^1, a^3, b^3
matrix: [[1, 0], [3942529947, 31381059609]]
num: (25, 9)
length: 11
word: b^1, a^-1, b^1, a^-1, b^2, a^11, b^2, a^1, b^1, a^-2, b^18
matrix: [[1, 0], [70554033, 3486784401]]
num: (26, 9)
length: 9
word: b^1, a^-1, b^1, a^-1, b^1, a^1, b^3, a^-3, b^-6
matrix: [[1, 0], [-30060, 531441]]
num: (28, 9)
length: 21
word: b^1, a^-1, b^1, a^-1, b^1, a^-2, b^2, a^6, b^-1, a^1, b^-1, a^2, b^2, a^-2, b^-1, a^-
3, b^1, a^1, b^4, a^-8, b^-9
matrix: [[1, 0], [-5336471079553383, 150094635296999121]]
num: (29, 9)
length: 15
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^-4, a^7, b^5, a^2, b^2, a^-2, b^1, a^-1, b^-36
```

```
matrix: [[1, 0], [-194540378706, 22876792454961]]
num: (31, 9)
length: 35
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-3, b^2, a^-1, b^1, a^-14, b^1, a^-1, b^1,
a^1, b^-1, a^-2, b^-1, a^1, b^-3, a^-1, b^1, a^5, b^-69, a^2, b^-1, a^2, b^-1, a^1, b^8, a^-
2, b^{-1}, a^{3}, b^{-3}
matrix: [[1, 0], [-4252167824668756959186455958,
42391158275216203514294433201]]
num: (32, 9)
length: 21
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^3, a^-1, b^1, a^3, b^-1, a^1, b^-1, a^-
34, b^-3, a^-1, b^6, a^-1, b^-9
matrix: [[1, 0], [-56064638245221, 1853020188851841]]
num: (34, 9)
length: 49
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^3, a^46, b^19,
a^1, b^-1, a^1, b^1, a^-1, b^1, a^-1, b^-1, a^-3, b^1, a^-1, b^12, a^-2, b^1, a^-1, b^1,
a^1, b^-6, a^2, b^-1, a^-2, b^1, a^-1, b^1, a^-1, b^-3, a^-3, b^2, a^5, b^-1, a^3, b^1, a^3,
b^-3
matrix: [[1, 0], [-13406928627951209807143632641125329174,
147808829414345923316083210206383297601]]
num: (35, 9)
Unable to find
num: (3, 10)
length: 3
word: b^3, a^-1, b^-30
matrix: [[1, 0], [-10, 100]]
num: (7, 10)
length: 5
word: b^1, a^-1, b^-3, a^-4, b^-5
matrix: [[1, 0], [-670, 2500]]
num: (9, 10)
length: 3
word: b^1, a^-1, b^-10
matrix: [[1, 0], [-10, 100]]
num: (11, 10)
length: 3
word: b^1, a^-1, b^10
matrix: [[1, 0], [10, 100]]
num: (13, 10)
```

```
length: 13
word: b^1, a^-1, b^3, a^2, b^3, a^-2, b^2, a^-2, b^-5, a^-2, b^-3, a^1, b^-1
matrix: [[1, 0], [-206080, 625]]
num: (17, 10)
length: 7
word: b^1, a^-1, b^1, a^2, b^-1, a^10, b^-1
matrix: [[1, 0], [-1570, 2500]]
num: (19, 10)
length: 5
word: b^1, a^-1, b^1, a^5, b^-2
matrix: [[1, 0], [-110, 400]]
num: (21, 10)
length: 5
word: b^1, a^-1, b^1, a^-5, b^-2
matrix: [[1, 0], [-90, 400]]
num: (23, 10)
length: 11
word: b^1, a^-1, b^1, a^-2, b^4, a^-2, b^2, a^-1, b^-1, a^-1, b^-30
matrix: [[1, 0], [-8956230, 625000000]]
num: (27, 10)
length: 11
word: b^1, a^-1, b^1, a^-1, b^4, a^-1, b^-2, a^-2, b^-1, a^1, b^-30
matrix: [[1, 0], [-1964470, 156250000]]
num: (29, 10)
length: 17
word: b^1, a^-1, b^1, a^-1, b^1, a^1, b^1, a^2, b^-1, a^-1, b^1, a^2, b^3, a^-1, b^3, a^-
matrix: [[1, 0], [-21539521635210, 625000000000000]]
num: (31, 10)
length: 13
word: b^1, a^-1, b^1, a^-1, b^1, a^-2, b^-26, a^-1, b^-1, a^-3, b^3, a^1, b^-10
matrix: [[1, 0], [-8305625190, 250000000000]]
num: (33, 10)
length: 15
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^2, a^1, b^-1, a^-1, b^-1, a^1, b^-25, a^1, b^-110
matrix: [[1, 0], [-2762526130, 1000000000000]]
num: (37, 10)
length: 57
word: b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^2, a^3, b^1, a^-1, b^1, a^-
1, b^1, a^-1, b^1, a^1, b^-8, a^-1, b^2, a^-1, b^1, a^-1, b^1, a^5, b^-4, a^1, b^6, a^-4, b^-
```

num: (39, 10) length: 553

word: b^1, a^-1, b^1, 1, b^1, a^-1, b^1, a^2, b^-2, a^1, b^32, a^2, b^-2, a^4, b^-1, a^1, b^-2, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^2, b^-3, a^-1, b^4, a^1, b^-1, a^1, b^-2, a^1, b^2, a^-1, b^1, a^-1, b^-2, a¹, b¹, a¹, b¹, a¹, b¹, a¹, b², a¹, b², a¹, b², a¹, b², a², a² a^-1, b^1, a^-1, b^1, a^-1, b^1, a^1, b^-1, a^1, b^-1, a^1, b^-4, a^-12, b^1, a^50, b^1, a^-1, b^1, a^-3, b^-5, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^94, b^-1, a^-2, b^1, a^-1, b^1, a^1, b^-3, a^-1, b^1, a^-1, b^1, a^1, b^-1, a^1, b^-1, a^1, b^-2, a^-10, b^-1, a^9, b^4, a¹, b², a³, b¹, a¹, a¹, b¹, a², b², a², a², b², a², a², b², a², b^1. a^-1. b^1. a^-1. b^1. a^-1. b^1. a^-1. b^1. a^-1. b^1. a^-2. b^8. a^2. b^-1. a^2. b^2. a^2, b^-2, a^1, b^-1, a^1, b^-2, a^-10, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^-31, a^5, b^1, a^-1, b^1, a^-1, b^-1, a^1, b^8, a^-1, b^-1, a^6, b^-2, a^2, b^6, a^2, b^-1, a^1, b^1, a^1, b^2, a^-1, b^1, a^-1, b^1, a^-5, b^1, a^1, b^1, a^1, b^-1, a^-1, b^1, a^-2, b^1, a^10. b^2. a^1. b^4. a^-1. b^1. a^-1. b^1. a^-17. b^1. a^-1. b^-1. a^1. b^-9. a^69. b^3. b^-20, a^1, b^-1, a^1, b^-2, a^1, b^-1, a^-1, b^-1, a^2, b^-1, a^137, b^-1, a^-4, b^1, a^-1, b^1, a^-1, b^-5, a^-1, b^6, a^-1, b^2, a^1, b^-1, a^-1, b^-3, a^1, b^-6, a^1, b^1, a^-1, b^-32, a¹, b¹, a², b², a¹, b², a², b², a², b², a², b², a², b³, a³, a³, b³, a³, a a^1, b^-4, a^5, b^8, a^-2, b^2, a^-1, b^2, a^2, b^1, a^-1, b^32, a^1, b^-1, a^-1, b^6, a^-1, b^3, a^1, b^1, a^-1, b^-2, a^1, b^-6, a^1, b^5, a^1, b^-1, a^1, b^-1, a^4, b^1, a^-137, b^1, a^-2, b^1, a^1, b^1, a^-1, b^2, a^-1, b^1, a^-1, b^20, a^-1, b^-1, a^-1, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^-1, b^-5, a^-68, b^1, a^-1, b^1, a^2, b^-3, a^-69, b^9, a^-1, b^1, a^1, b^1, a^17, b^-1, a^1, b^-1, a^1, b^-4, a^-1, b^-2, a^-10, b^-1, a^2, b^-1, a^1, b^1, a^-1, b^-1, a^-1, b^-1, a^5, b^-1, a^1, b^-1, a^1, b^-2, a^-1, b^-1, a^-1, b^1, a^-2, b^-6, a^-2, b^2, a^-6, b^1, a^1, b^-8, a^-1, b^1, a^1, b^-1, a^1, b^-1, a^-5, b^31, a^1, b^-1, a¹, b², a¹, b², a¹, b², a¹, b², a², b², a², b², a², b², a², a² b^-1, a^1, b^-1, a^4, b^2, a^-2, b^2, a^1, b^-1, a^1, b^-1, a^-3, b^2, a^-1, b^-4, a^-9, b^1, a^10, b^2, a^-1, b^1, a^-1, b^1, a^-1, b^-1, a^1, b^-1, a^1, b^3, a^-1, b^-1, a^1, b^-1, a^2, b^1, a^-94, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^5, a^3, b^-1, a^1, b^-1, a^-50, b^-1, a^12. b^4. a^-1. b^1. a^-1. b^1. a^-1. b^1. a^-1. b^-1. a^1. b^-1. a^1. b^-2. a^1. b^2. a^-1, b^-1, a^1, b^-1, a^1, b^-1, a^2, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^2, a^1, b^-1, a^1, b^-2, a⁻¹, b², a⁻¹, b¹, a⁻¹, b⁻⁴, a¹, b³, a⁻², b¹, a⁻¹, b¹, a⁻¹, b². a^-1, b^1, a^-4, b^2, a^-2, b^-32, a^-1, b^2, a^-2, b^-1, a^1, b^-1, a^1, b^-1, a^1. b^-1. matrix: [[1, 0], [-

 $3186547880458867218026492780753382322389084903741433248149087976158\\2264427621020725139973650164040424482616037693336888023604141528935\\4942586147891237756023733979338125530606094529713390614529193713141\\1471948157384960310, 6250000000]$