In what follows we describe a list of Quasy-Cylic codes of index 2 and with two generator, say f and g. Each block contains:

(1)Three number which are the parameters [n,k,d] of the code.

(2) The generators g and f (take care with the order).

(3)Two polynomial, say a and b, which are unit in GF(2)[x]/(x^n-1).

The code would be generated in magma as:

`QuasiCyclicCode`(n,[af,bf,0,g],2);

The Blocks in red are new as Quasy-Cylic codes (see http://www.tec.hkr.se/~chen/research/codes/searchqc2.htm), the blocks in blue are already known but with another index.

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----------------------
4
3
2
x + 1
1
x^2 + x + 1
x^2 + x + 1
----------------------
6
4
2
x^2 + x + 1
1
x^3 + x + 1
x^3 + x^2 + 1
----------------------
6
5
2
x + 1
1
x^3 + x^2 + 1
x^3 + x^2 + 1
----------------------
8
3
4
x^3 + x^2 + x + 1
x^2 + 1
x^4 + x^3 + 1
x^4 + x^3 + 1
----------------------
8
4
4
x^3 + x^2 + x + 1
x + 1
x^4 + x^3 + 1
```

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x^4 + x^2 + 1
----------------------
8
5
2
x^3 + x^2 + x + 1
1
x^4 + x^3 + x^2 + x + 1
x^4 + x^2 + 1
----------------------
8
6
2
x^2 + 1
1
x^4 + x^3 + 1
x^4 + x^3 + 1
----------------------
8
7
2
x + 1
1
x^4 + x + 1
x^4 + x^3 + x^2 + x + 1
----------------------
10
5
4
x^4 + x^3 + x^2 + x + 1
x + 1
x^5 + x^3 + 1
x^5 + x^2 + 1
----------------------
10
6
3
x^4 + x^3 + x^2 + x + 1
1
x^5 + x^4 + x^2 + x + 1
x^5 + x^4 + 1
----------------------
10
9
2
x + 1
1
x^5 + x^4 + x^3 + x^2 + 1
x^5 + x^4 + 1
----------------------
12
5
4
x^5 + x^4 + x^3 + x^2 + x + 1
x^2 + 1
x^6 + x^3 + 1
x^6 + x^2 + 1
```

```
----------------------
12
6
4
x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^6 + x^4 + x^2 + x + 1
x^6 + x^5 + x^4 + x^2 + 1
----------------------
12
7
4
x^5 + x^4 + x^3 + x^2 + x + 1
1
x^6 + x^5 + x^2 + x + 1
x^6 + x^5 + 1
----------------------
12
9
2
x^3 + 1
1
x^6 + x^5 + x^2 + x + 1
x^6 + x^4 + 1
----------------------
12
10
2
x^2 + 1
1
x^6 + x^5 + x^4 + x^2 + 1
x^6 + x^3 + 1
----------------------
12
11
2
x + 1
1
x^6 + x + 1
x^6 + x^2 + 1
----------------------
14
5
6
x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^3 + x + 1
x^7 + x^4 + 1
x^7 + x^5 + x^4 + x^3 + 1
----------------------
14
7
4
x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^7 + x^6 + x^4 + x^2 + 1
x^7 + x^3 + 1
----------------------
```

```
14
9
4
x^4 + x^2 + x + 1
x + 1
x^7 + x^6 + x^4 + x^2 + 1
x^7 + x^6 + x^3 + x^2 + 1
----------------------
14
11
2
x^3 + x + 1
1
x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^7 + x^5 + x^4 + x^3 + x^2 + x + 1
----------------------
14
13
2
x + 1
1
x^7 + x^5 + x^3 + x + 1
x^7 + x^6 + x^3 + x + 1
----------------------
16
3
8
x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^6 + x^4 + x^2 + 1
x^8 + x^6 + x^5 + x^4 + x^3 + x + 1
x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
----------------------
16
4
8
x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^5 + x^4 + x + 1
x^8 + x^7 + x^5 + x^3 + 1
x^8 + x + 1
----------------------
16
9
4
x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^8 + x^7 + x^5 + x^3 + 1
x^8 + x^6 + x^5 + x^3 + 1
----------------------
16
10
4
x^6 + x^4 + x^2 + 1
1
x^8 + x^7 + x^6 + x + 1
x^8 + x^7 + x^6 + x^4 + x^2 + x + 1
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16
```

```
11
4
x^5 + x^4 + x + 1
1
x^8 + x^6 + x^5 + x^3 + 1
x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
----------------------
16
12
2
x^4 + 1
1
x^8 + x^6 + x^5 + x^4 + x^3 + x + 1
x^8 + x^6 + x^5 + x^4 + x^2 + x + 1
----------------------
16
13
2
x^3 + x^2 + x + 1
1
x^8 + x^7 + x^3 + x^2 + 1
x^8 + x^6 + x^5 + x^2 + 1
----------------------
16
14
2
x^2 + 1
1
x^8 + x^7 + x^6 + x^5 + x^4 + x + 1
x^8 + x^6 + x^4 + x^3 + 1
----------------------
16
15
2
x + 1
1
x^8 + x^7 + x^6 + x^3 + x^2 + x + 1
x^8 + x + 1
----------------------
18
10
4
x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^9 + x^4 + 1
x^9 + x^8 + x^4 + x^2 + 1
----------------------
18
8
6
x^7 + x^6 + x^4 + x^3 + x + 1
x^3 + 1
x^9 + x^7 + x^2 + x + 1
x^9 + x^8 + x^7 + x^4 + x^2 + x + 1
----------------------
18
9
```

```
6
x^7 + x^6 + x^4 + x^3 + x + 1
x^2 + x + 1
x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + 1
x^9 + x^4 + x^2 + x + 1
----------------------
18
11
4
x^7 + x^6 + x^4 + x^3 + x + 1
1
x^9 + x^6 + x^5 + x^2 + 1
x^9 + x^5 + x^4 + x^2 + 1
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18
15
2
x^3 + 1
1
x^9 + x^5 + x^3 + x^2 + 1
x^9 + x^7 + x^4 + x^3 + 1
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18
16
2
x^2 + x + 1
1
x^9 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
x^9 + x^5 + x^3 + x^2 + 1
----------------------
18
17
2
x + 1
1
x^9 + x^8 + x^7 + x^2 + 1
x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
----------------------
20
10
6
x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^10 + x^7 + x^6 + x^3 + 1
x^10 + x^3 + 1
----------------------
20
11
5
x^8 + x^6 + x^4 + x^2 + 1
x + 1
x^10 + x^9 + x^8 + x^5 + 1
x^10 + x^7 + x^6 + x^5 + x^2 + x + 1
----------------------
20
12
4
```

```
x^8 + x^6 + x^4 + x^2 + 1
1
x^10 + x^8 + x^3 + x + 1
x^10 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
20
13
4
x^6 + x^5 + x + 1
x + 1
x^10 + x^4 + x^3 + x + 1
x^10 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + x + 1
----------------------
20
14
4
x^6 + x^5 + x + 1
1
x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 1
x^10 + x^8 + x^4 + x^3 + 1
----------------------
20
16
2
x^4 + x^3 + x^2 + x + 1
1
x^10 + x^3 + 1
x^10 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
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20
18
2
x^2 + 1
1
x^10 + x^8 + x^6 + x^4 + x^2 + x + 1
x^10 + x^8 + x^2 + x + 1
----------------------
20
19
2
x + 1
1
x^10 + x^8 + x^7 + x^4 + x^2 + x + 1
x^10 + x^9 + x^5 + x^4 + x^3 + x + 1
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22
11
7
x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^11 + x^10 + x^7 + x^2 + 1
x^11 + x^10 + x^9 + x^6 + x^5 + x^4 + x^3 + x + 1
----------------------
22
12
6
x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
```

1
x^11 + x^9 + x^6 + x^5 + 1
x^11 + x^6 + x^5 + x^2 + 1

22
21
2
x + 1
1
x^11 + x^7 + x^3 + x^2 + 1
x^11 + x^9 + x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + 1

24
4
12
x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^9 + x^8 + x^5 + x^4 + x + 1
x^12 + x^11 + x^10 + x^9 + x^8 + x^4 + 1
x^12 + x^6 + x^5 + x^3 + 1

24
8
8
x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^5 + x^3 + x^2 + 1
x^12 + x^7 + x^5 + x^2 + 1
x^12 + x^8 + x^7 + x^5 + x^4 + x + 1

24
9
8
x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^4 + 1
x^12 + x^10 + x^6 + x^3 + x^2 + x + 1
x^12 + x^10 + x^9 + x^7 + x^6 + x^5 + x^4 + x + 1

24
10
8
x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^3 + x^2 + x + 1
x^12 + x^9 + x^3 + x^2 + 1
x^12 + x^11 + x^8 + x^6 + x^5 + x^3 + 1

24
13
6
x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^12 + x^11 + x^6 + x^5 + x^4 + x^3 + 1
x^12 + x^11 + x^10 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + x + 1

24
14
6
x^9 + x^8 + x^5 + x^4 + x + 1
x + 1

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x^12 + x^6 + x^5 + x^4 + x^2 + x + 1
x^12 + x^9 + x^5 + x^2 + 1
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24
15
4
x^9 + x^8 + x^5 + x^4 + x + 1
1
x^12 + x^11 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^12 + x^9 + x^8 + x^2 + 1
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24
16
4
x^8 + x^7 + x^6 + x^2 + x + 1
1
x^12 + x^11 + x^10 + x^7 + x^6 + x^5 + x^3 + x^2 + 1
x^12 + x^11 + x^8 + x^7 + x^5 + x + 1
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24
17
4
x^7 + x^5 + x^4 + x^3 + x^2 + 1
1
x^12 + x^9 + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1
x^12 + x^8 + x^6 + x^4 + x^3 + x + 1
-----------------------
24
18
4
x^6 + x^5 + x^4 + x^2 + x + 1
1
x^12 + x^6 + x^4 + x + 1
x^12 + x^10 + x^8 + x^5 + x^2 + x + 1
-----------------------
24
20
2
x^4 + 1
1
x^12 + x^10 + x^9 + x^6 + x^5 + x + 1
x^12 + x^8 + x^6 + x^5 + x^4 + x^3 + 1
-----------------------
24
21
2
x^3 + x^2 + x + 1
1
x^12 + x^8 + x^6 + x^4 + x^2 + x + 1
x^12 + x^11 + x^10 + x^9 + x^8 + x^4 + x^3 + x + 1
-----------------------
24
22
2
x^2 + 1
1
x^12 + x^11 + x^10 + x^9 + x^8 + x^6 + x^3 + x + 1
```

x^12 + x^4 + x^3 + x + 1

24
23
2
x + 1
1
x^12 + x^11 + x^10 + x^7 + x^4 + x^3 + x^2 + x + 1
x^12 + x^10 + x^9 + x^8 + x^7 + x^3 + 1

26
13
7
x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^13 + x^12 + x^11 + x^9 + x^6 + x^5 + x^4 + x^2 + 1
x^13 + x^12 + x^11 + x^9 + x^6 + x^4 + x^2 + x + 1

26
14
6
x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^13 + x^10 + x^8 + x^7 + x^6 + x^2 + 1
x^13 + x^12 + x^9 + x^8 + x^4 + x^2 + 1

26
25
2
x + 1
1
x^13 + x^12 + x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + 1
x^13 + x^12 + x^11 + x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x + 1

28
6
12
x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x +
    1
x^9 + x^6 + x^5 + x^4 + x^3 + x + 1
x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^3 + x + 1
x^14 + x^13 + x^11 + x^9 + x^5 + x + 1

28
9
10
x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x +
    1
x^6 + x^2 + 1
x^14 + x^12 + x^10 + x^9 + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1
x^14 + x^13 + x^11 + x^9 + x^8 + x^5 + x^3 + x + 1

28
13
8

```
x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x
+
    1
x^2 + 1
x^14 + x^13 + x^9 + x^7 + x^6 + x^5 + x^3 + x + 1
x^14 + x^13 + x^12 + x^10 + x^8 + x^7 + 1
----------------------
28
15
6
x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x
+
    1
1
x^14 + x^13 + x^12 + x^10 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
x^14 + x^13 + x^12 + x^10 + x^7 + x^5 + 1
----------------------
28
11
8
x^11 + x^9 + x^8 + x^7 + x^4 + x^2 + x + 1
x^6 + x^2 + 1
x^14 + x^11 + x^8 + x^6 + 1
x^14 + x^13 + x^8 + x^7 + x^4 + x^3 + x^2 + x + 1
----------------------
28
12
8
x^11 + x^9 + x^8 + x^7 + x^4 + x^2 + x + 1
x^5 + x^4 + x^3 + 1
x^14 + x^13 + x^11 + x^10 + x^9 + x^7 + 1
x^14 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + 1
----------------------
28
16
6
x^10 + x^9 + x^7 + x^3 + x^2 + 1
x^2 + 1
x^14 + x^12 + x^11 + x^7 + x^5 + x^4 + 1
x^14 + x^12 + x^11 + x^10 + x^9 + x^7 + x^4 + x^2 + 1
----------------------
28
19
4
x^9 + x^6 + x^5 + x^4 + x^3 + x + 1
1
x^14 + x^13 + x^3 + x + 1
x^14 + x^13 + x^9 + x^6 + x^5 + x^4 + x^3 + x + 1
----------------------
28
20
4
x^8 + x^4 + x^2 + 1
1
x^14 + x^13 + x^12 + x^10 + x^8 + x^4 + x^2 + x + 1
x^14 + x^13 + x^12 + x^10 + x^3 + x^2 + 1
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```
28
21
4
x^7 + x^6 + x^5 + x^4 + x + 1
1
x^14 + x^13 + x^11 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^14 + x^13 + x^9 + x^8 + x^3 + x^2 + 1
-----------------------
28
22
4
x^5 + x^4 + x^3 + 1
x + 1
x^14 + x^13 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
x^14 + x^11 + x^10 + x^5 + x^4 + x + 1
-----------------------
28
24
2
x^4 + x^2 + x + 1
1
x^14 + x^8 + x^7 + x^5 + x^2 + x + 1
x^14 + x^11 + x^10 + x^4 + x^3 + x^2 + 1
-----------------------
28
25
2
x^3 + x + 1
1
x^14 + x^12 + x^9 + x^8 + x^7 + x^4 + x^3 + x + 1
x^14 + x^13 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + 1
-----------------------
28
26
2
x^2 + 1
1
x^14 + x^12 + x^11 + x^10 + x^9 + x^8 + x^6 + x^2 + 1
x^14 + x^13 + x^12 + x^11 + x^9 + x^8 + x^7 + x^4 + 1
-----------------------
28
27
2
x + 1
1
x^14 + x^12 + x^11 + x^10 + x^4 + x^3 + 1
x^14 + x^12 + x^11 + x^10 + x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
-----------------------
30
6
14
x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 +
x^2
    + x + 1
x^10 + x^9 + x^8 + x^6 + x^5 + x^2 + 1
x^15 + x^14 + x^13 + x^11 + x^10 + x^8 + x^7 + x^5 + 1
x^15 + x^13 + x^11 + x^6 + x^5 + x^3 + 1
```

30
7
12
x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
    + x + 1
x^9 + x^6 + x^5 + x^4 + x + 1
x^15 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^5 + x^4 + x + 1
x^15 + x^14 + x^11 + x^10 + x^9 + x^8 + x^6 + x^5 + 1

30
13
8
x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
    + x + 1
x^3 + 1
x^15 + x^14 + x^13 + x^12 + x^9 + x^8 + x^3 + x + 1
x^15 + x^13 + x^12 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x + 1

30
16
7
x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
    + x + 1
1
x^15 + x^14 + x^10 + x^9 + x^5 + x^4 + 1
x^15 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + 1

30
11
10
x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^6 + x^4 + x^3 + x^2 + 1
x^15 + x^14 + x^13 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
x^15 + x^13 + x^11 + x^9 + x^7 + x^6 + 1

30
14
8
x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^3 + 1
x^15 + x^14 + x^13 + x^11 + x^9 + x^8 + x^5 + x + 1
x^15 + x^14 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + x + 1

30
15
8
x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^2 + x + 1
x^15 + x^14 + x^13 + x^9 + x^6 + x^3 + x^2 + x + 1
x^15 + x^9 + x^8 + x^4 + x^2 + x + 1

30
17

```
6
x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
1
x^15 + x^14 + x^12 + x^10 + x^7 + x^5 + x^4 + x + 1
x^15 + x^14 + x^8 + x^2 + 1
----------------------
30
18
6
x^11 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
x + 1
x^15 + x^14 + x^9 + x^7 + x^5 + x^4 + 1
x^15 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + 1
----------------------
30
19
6
x^9 + x^6 + x^5 + x^4 + x + 1
x^2 + x + 1
x^15 + x^14 + x^13 + x^9 + x^7 + x^3 + x^2 + x + 1
x^15 + x^11 + x^10 + x^8 + x^4 + x^3 + 1
----------------------
30
21
4
x^9 + x^6 + x^5 + x^4 + x + 1
1
x^15 + x^14 + x^10 + x^9 + x^6 + x^2 + 1
x^15 + x^14 + x^13 + x^11 + x^9 + x^8 + x^7 + x^4 + x^3 + x + 1
----------------------
30
20
5
x^8 + x^4 + x^2 + x + 1
x^2 + x + 1
x^15 + x^14 + x^13 + x^9 + x^6 + x^3 + x^2 + x + 1
x^15 + x^14 + x^12 + x^11 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
----------------------
30
22
4
x^8 + x^4 + x^2 + x + 1
1
x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^8 + x^7 + x^5 + x + 1
x^15 + x^14 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 1
----------------------
30
23
4
x^7 + x^6 + x^5 + x^2 + x + 1
1
x^15 + x^13 + x^9 + x^6 + 1
x^15 + x^14 + x^13 + x^12 + x^11 + x^9 + x^7 + x^6 + 1
----------------------
30
24
4
```

```
x^5 + x^4 + x^2 + 1
x + 1
x^15 + x^5 + x^4 + x^2 + 1
x^15 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^2 + x + 1
-----------------------
30
26
2
x^4 + x + 1
1
x^15 + x^13 + x^11 + x^9 + x^6 + x^5 + x^4 + x^3 + 1
x^15 + x^14 + x^11 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x + 1
-----------------------
30
27
2
x^3 + 1
1
x^15 + x^14 + x^12 + x^8 + x^6 + x^4 + 1
x^15 + x^14 + x^13 + x^12 + x^11 + x^8 + x^3 + x^2 + 1
-----------------------
30
28
2
x^2 + x + 1
1
x^15 + x^13 + x^8 + x + 1
x^15 + x^14 + x^10 + x^8 + x^6 + x + 1
-----------------------
30
29
2
x + 1
1
x^15 + x^14 + x^13 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^2 + 1
x^15 + x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^3 + x + 1
-----------------------
32
4
16
x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
    x^3 + x^2 + x + 1
x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
x^16 + x^13 + x^12 + x^11 + x^9 + x^8 + x^6 + x^5 + x^3 + x^2 + 1
x^16 + x^15 + x^14 + x^12 + x^7 + x^5 + 1
----------------------
32
14
8
x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
    x^3 + x^2 + x + 1
x^3 + x^2 + x + 1
x^16 + x^15 + x^14 + x^13 + x^10 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
x^16 + x^15 + x^14 + x^10 + x^6 + x^5 + x^3 + x + 1
-----------------------
32
15
```

```
8
x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
    x^3 + x^2 + x + 1
x^2 + 1
x^16 + x^14 + x^11 + x^5 + x^4 + x^2 + 1
x^16 + x^15 + x^13 + x^11 + x^10 + x^8 + x^6 + x^3 + 1
----------------------
32
16
8
x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
    x^3 + x^2 + x + 1
x + 1
x^16 + x^15 + x^11 + x^10 + x^9 + x^8 + x^4 + x^3 + x^2 + x + 1
x^16 + x^14 + x^11 + x^7 + x^6 + x^4 + x^3 + x^2 + 1
----------------------
32
18
6
x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
1
x^16 + x^13 + x^11 + x^6 + x^2 + x + 1
x^16 + x^15 + x^14 + x^13 + x^12 + x^9 + x^8 + x^7 + x^4 + x^3 + 1
----------------------
32
19
6
x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
1
x^16 + x^12 + x^10 + x^7 + x^5 + x^3 + x^2 + x + 1
x^16 + x^15 + x^12 + x^8 + x^7 + x^5 + x^3 + x^2 + 1
----------------------
32
23
4
x^9 + x^8 + x + 1
1
x^16 + x^14 + x^13 + x^10 + x^8 + x^7 + x^5 + x^2 + 1
x^16 + x^11 + x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
----------------------
32
27
2
x^5 + x^4 + x + 1
1
x^16 + x^15 + x^13 + x^12 + x^11 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^16 + x^12 + x^10 + x^9 + x^7 + x^4 + x^3 + x + 1
----------------------
32
28
2
x^4 + 1
1
x^16 + x^12 + x^11 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x + 1
x^16 + x^15 + x^13 + x^10 + x^7 + x^5 + x^4 + x^3 + 1
----------------------
32
```

29
2
x^3 + x^2 + x + 1
1
x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
1
x^16 + x^14 + x^12 + x^10 + x^9 + x^6 + x^3 + x + 1

32
30
2
x^2 + 1
1
x^16 + x^15 + x^12 + x^11 + x^10 + x^9 + x^8 + x^5 + 1
x^16 + x^15 + x^14 + x^13 + x^11 + x^10 + x^4 + x + 1

32
31
2
x + 1
1
x^16 + x^15 + x^14 + x^12 + x^11 + x^9 + x^8 + x^3 + x^2 + x + 1
x^16 + x^13 + x^12 + x^11 + x^10 + x^7 + x^6 + x^5 + x^3 + x^2 + 1

34
9
13
x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5
+
    x^4 + x^3 + x^2 + x + 1
x^9 + x^6 + x^5 + x^4 + x^3 + 1
x^17 + x^14 + x^11 + x^8 + x^5 + x^4 + x^3 + x + 1
x^17 + x^16 + x^15 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + 1

34
17
8
x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5
+
    x^4 + x^3 + x^2 + x + 1
x + 1
x^17 + x^16 + x^15 + x^13 + x^7 + x^3 + x^2 + x + 1
x^17 + x^16 + x^15 + x^14 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + x^3 +
1

34
24
4
x^9 + x^6 + x^5 + x^4 + x^3 + 1
x + 1
x^17 + x^16 + x^15 + x^12 + x^11 + x^10 + x^8 + x^6 + x^2 + x + 1
x^17 + x^16 + x^15 + x^11 + x^10 + x^8 + x^5 + x + 1

34
25
4
x^9 + x^6 + x^5 + x^4 + x^3 + 1

1
x^17 + x^16 + x^14 + x^13 + x^11 + x^10 + x^9 + x^4 + x^3 + x^2 + 1
x^17 + x^16 + x^15 + x^10 + x^9 + x^4 + x^3 + x^2 + 1

34
26
4
x^8 + x^5 + x^4 + x^3 + 1
1
x^17 + x^15 + x^14 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
x^17 + x^16 + x^14 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^2 + x + 1

34
33
2
x + 1
1
x^17 + x^15 + x^14 + x^13 + x^10 + x^9 + x^7 + x^3 + x^2 + x + 1
x^17 + x^10 + x^9 + x^7 + x^3 + x + 1

36
15
10
x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6
+
    x^5 + x^4 + x^3 + x^2 + x + 1
x^4 + x^2 + 1
x^18 + x^17 + x^15 + x^14 + x^13 + x^12 + x^9 + x^7 + x^3 + x^2 + 1
x^18 + x^16 + x^15 + x^12 + x^11 + x^9 + x^8 + x^7 + x^5 + x^2 + 1

36
17
8
x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6
+
    x^5 + x^4 + x^3 + x^2 + x + 1
x^2 + 1
x^18 + x^17 + x^15 + x^14 + x^13 + x^11 + x^4 + x^3 + 1
x^18 + x^17 + x^16 + x^14 + x^13 + x^9 + x^8 + x^6 + x^5 + x^2 + 1

36
18
8
x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6
+
    x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^18 + x^17 + x^16 + x^14 + x^13 + x^9 + x^7 + x^6 + x^5 + x + 1
x^18 + x^15 + x^14 + x^12 + x^11 + x^9 + x^8 + x^7 + x^2 + x + 1

36
19
8
x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6
+
    x^5 + x^4 + x^3 + x^2 + x + 1
1

```
x^18 + x^17 + x^8 + x^6 + 1
x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 +
    x^2 + x + 1
-----------------------
36
22
6
x^14 + x^12 + x^8 + x^6 + x^2 + 1
1
x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^10 + x^8 + x^6 + x^5 + x^2 + x + 1
x^18 + x^13 + x^10 + x^9 + x^5 + x^3 + x^2 + x + 1
-----------------------
36
23
6
x^13 + x^12 + x^7 + x^6 + x + 1
1
x^18 + x^17 + x^16 + x^15 + x^14 + x^12 + x^11 + x^10 + x^7 + x^6 + x^5 + x^3
+
    1
x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^11 + x^10 + x^9 + x^7 + x^5 + x^2
+
    1
-----------------------
36
26
4
x^10 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
1
x^18 + x^8 + x^2 + x + 1
x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6
+
    x^4 + x^3 + x^2 + x + 1
-----------------------
36
27
4
x^8 + x^6 + x^5 + x^3 + x^2 + 1
x + 1
x^18 + x^15 + x^14 + x^13 + x^10 + x^7 + x^6 + x + 1
x^18 + x^14 + x^13 + x^12 + x^11 + x^9 + x^6 + x + 1
-----------------------
36
28
4
x^8 + x^6 + x^5 + x^3 + x^2 + 1
1
x^18 + x^16 + x^14 + x^13 + x^9 + x^7 + x^6 + x^4 + 1
x^18 + x^17 + x^16 + x^14 + x^13 + x^12 + x^10 + x^7 + x^6 + x^3 + 1
-----------------------
36
31
2
x^5 + x^4 + x^3 + x^2 + x + 1
1
x^18 + x^17 + x^16 + x^13 + x^9 + x^8 + x^7 + x^4 + 1
x^18 + x^15 + x^13 + x^10 + x^9 + x^8 + x^7 + x^6 + x^2 + x + 1
```

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----------------------
36
32
2
x^4 + x^2 + 1
1
x^18 + x^16 + x^13 + x^12 + x^11 + x^8 + x^7 + x^4 + x^3 + x^2 + 1
x^18 + x^17 + x^14 + x^13 + x^12 + x^10 + x^9 + x^7 + x^5 + x^2 + 1
----------------------
36
33
2
x^3 + 1
1
x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + 1
x^18 + x^17 + x^15 + x^14 + x^13 + x^10 + x^9 + x^7 + x^5 + x^4 + 1
----------------------
36
34
2
x^2 + 1
1
x^18 + x^17 + x^16 + x^15 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4
+
    x^2 + x + 1
x^18 + x^17 + x^15 + x^12 + x^10 + x^9 + x^7 + x^4 + x^3 + x + 1
----------------------
36
35
2
x + 1
1
x^18 + x^16 + x^13 + x^11 + x^10 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
x^18 + x^16 + x^14 + x^11 + x^10 + x^8 + x^7 + x^6 + x^3 + x + 1
----------------------
38
19
8
x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 +
x^7 +
    x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^19 + x^18 + x^12 + x^10 + x^6 + x^2 + 1
x^19 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^2 + 1
----------------------
38
37
2
x + 1
1
x^19 + x^18 + x^17 + x^16 + x^14 + x^13 + x^11 + x^9 + x^7 + x^6 + x^4 + x^3
+
    x^2 + x + 1
x^19 + x^16 + x^15 + x^14 + x^10 + x^8 + x^6 + x^4 + 1
----------------------
40
4
```

20
x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
    + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^17 + x^16 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
x^20 + x^18 + x^17 + x^14 + x^12 + x^9 + x^7 + x^4 + x^2 + x + 1
x^20 + x^19 + x^18 + x^17 + x^13 + x^10 + x^6 + x^5 + x^3 + x^2 + 1

40
13
12
x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
    + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + x + 1
x^20 + x^19 + x^17 + x^16 + x^14 + x^8 + x^5 + x^3 + x^2 + x + 1
x^20 + x^19 + x^17 + x^15 + x^13 + x^12 + x^11 + x^10 + x^9 + x^6 + x^2 + x + 1

40
18
10
x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
    + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^3 + x^2 + x + 1
x^20 + x^17 + x^14 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + x^2 + x + 1
x^20 + x^16 + x^15 + x^13 + x^12 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + 1

40
21
8
x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
    + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^20 + x^19 + x^18 + x^17 + x^12 + x^10 + x^8 + x^5 + x^3 + x + 1
x^20 + x^10 + x^2 + x + 1

40
19
10
x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
x^3 + x^2 + x + 1
x^20 + x^19 + x^17 + x^16 + x^15 + x^14 + x^12 + x^10 + x^9 + x^8 + x^7 + x^5 +
    x^3 + x^2 + 1
x^20 + x^14 + x^13 + x^11 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1

40
22
8
x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
1
x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^13 + x^11 + x^7 + x^5 + x^4 + x^3 +

```
    x^2 + x + 1
x^20 + x^19 + x^17 + x^14 + x^12 + x^10 + x^8 + x^7 + x^5 + x^3 + 1
-----------------------
40
23
8
x^17 + x^16 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
1
x^20 + x^19 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^10 + x^9 + x^7 +
x^5 +
    x^3 + x + 1
x^20 + x^19 + x^18 + x^16 + x^15 + x^14 + x^13 + x^11 + x^9 + x^7 + x^6 + x^3
+
    x^2 + x + 1
-----------------------
40
30
4
x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + x + 1
x^2 + 1
x^20 + x^18 + x^17 + x^16 + x^15 + x^14 + x^12 + x^10 + x^8 + x^7 + x^2 + x +
1
x^20 + x^18 + x^15 + x^12 + x^11 + x^10 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 +
1
-----------------------
40
31
4
x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + x + 1
x + 1
x^20 + x^17 + x^16 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 +
    x^2 + x + 1
x^20 + x^19 + x^18 + x^16 + x^15 + x^13 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5
+
    x^4 + x^3 + x^2 + x + 1
-----------------------
40
32
4
x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + x + 1
1
x^20 + x^19 + x^14 + x^12 + x^11 + x^7 + x^5 + x^4 + 1
x^20 + x^18 + x^15 + x^13 + x^12 + x^6 + x^5 + x^4 + x^2 + x + 1
-----------------------
40
33
4
x^7 + x^5 + x^2 + 1
1
x^20 + x^10 + x^9 + x^4 + x^2 + x + 1
x^20 + x^19 + x^18 + x^15 + x^14 + x^11 + x^9 + x^8 + x^5 + x^3 + 1
-----------------------
40
35
2
x^5 + 1
1
```

x^20 + x^19 + x^18 + x^16 + x^15 + x^10 + x^9 + x^5 + x^2 + x + 1
x^20 + x^19 + x^14 + x^13 + x^10 + x^9 + x^7 + x^6 + x^3 + x^2 + 1

40
36
2
x^4 + 1
1
x^20 + x^19 + x^17 + x^16 + x^15 + x^14 + x^12 + x^10 + x^8 + x^7 + x^4 + x^3 +
    x^2 + x + 1
x^20 + x^19 + x^16 + x^13 + x^12 + x^5 + x^3 + x + 1

40
37
2
x^3 + x^2 + x + 1
1
x^20 + x^18 + x^15 + x^14 + x^13 + x^9 + x^8 + x^7 + x^6 + x^5 + 1
x^20 + x^17 + x^10 + x^9 + x^7 + x^5 + x^4 + x^3 + 1

40
38
2
x^2 + 1
1
x^20 + x^19 + x^15 + x^14 + x^13 + x^11 + x^10 + x^9 + x^8 + x^5 + x^4 + x^3 +
    x^2 + x + 1
x^20 + x^16 + x^9 + x^8 + x^7 + x^6 + x^4 + x^2 + 1

40
39
2
x + 1
1
x^20 + x^18 + x^16 + x^15 + x^14 + x^13 + x^8 + x^7 + x^4 + x^2 + 1
x^20 + x^19 + x^16 + x^12 + x^11 + x^9 + x^5 + x^3 + x^2 + x + 1

42
6
20
x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 +
x^9
    + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^16 + x^15 + x^14 + x^13 + x^12 + x^10 + x^8 + x^5 + x^4 + 1
x^21 + x^19 + x^16 + x^15 + x^14 + x^12 + x^11 + x^3 + 1
x^21 + x^17 + x^16 + x^15 + x^13 + x^12 + x^10 + x^4 + x^2 + x + 1

42
10
16
x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 +
x^9
    + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^12 + x^11 + x^10 + x^9 + x^5 + x^3 + x + 1
x^21 + x^20 + x^19 + x^17 + x^16 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^4

```
+
    x^2 + x + 1
x^21 + x^20 + x^19 + x^18 + x^14 + x^11 + x^8 + x^7 + x^6 + x^5 + x^3 + x^2 +
1
-----------------------
42
15
12
x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 +
x^9
    + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^7 + x^6 + x^5 + x^4 + x^3 + 1
x^21 + x^16 + x^13 + x^12 + x^11 + x^9 + x^8 + x + 1
x^21 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 +
x^8
    + x^7 + x^6 + x^3 + x + 1
-----------------------
42
16
12
x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3
+ x
    + 1
x^7 + x^6 + x^5 + x^4 + x^3 + 1
x^21 + x^19 + x^18 + x^16 + x^15 + x^8 + x^3 + x^2 + 1
x^21 + x^20 + x^18 + x^16 + x^14 + x^12 + x^9 + x^7 + x^5 + x^3 + x^2 + x + 1

-----------------------
42
22
8
x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 +
x^9
    + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^21 + x^19 + x^16 + x^5 + 1
x^21 + x^20 + x^19 + x^12 + x^9 + x^8 + x^6 + x^4 + x^3 + x + 1
-----------------------
42
20
10
x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3
+ x
    + 1
x^3 + x + 1
x^21 + x^20 + x^18 + x^17 + x^15 + x^14 + x^13 + x^9 + x^8 + x^7 + x^6 + x^5
+
    x^4 + x + 1
x^21 + x^19 + x^18 + x^17 + x^11 + x^8 + x^5 + x + 1
-----------------------
42
21
10
x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3
+ x
    + 1
x^2 + x + 1
```

```
x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^13 + x^11 + x^10 + x^9 + x^6 +
x^5 +
    x^4 + x^3 + x^2 + x + 1
x^21 + x^20 + x^19 + x^18 + x^17 + x^15 + x^14 + x^11 + x^10 + x^7 + x^6 +
x^5 +
    x^3 + x + 1
----------------------
42
23
8
x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3
+ x
    + 1
1
x^21 + x^20 + x^19 + x^18 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^5
+
    x^3 + x + 1
x^21 + x^20 + x^18 + x^17 + x^15 + x^13 + x^12 + x^11 + x^10 + x^9 + x^7 +
x^6 +
    x^4 + x^3 + x^2 + x + 1
----------------------
42
18
12
x^18 + x^17 + x^16 + x^14 + x^11 + x^10 + x^9 + x^7 + x^4 + x^3 + x^2 + 1
x^6 + x^4 + x + 1
x^21 + x^20 + x^18 + x^17 + x^14 + x^12 + x^11 + x^10 + x^7 + x^6 + x^5 + x^4
+
    x^3 + x^2 + 1
x^21 + x^15 + x^14 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
----------------------
42
25
8
x^16 + x^15 + x^14 + x^13 + x^12 + x^10 + x^8 + x^5 + x^4 + 1
x + 1
x^21 + x^18 + x^17 + x^16 + x^15 + x^14 + x^12 + x^8 + x^6 + x^5 + 1
x^21 + x^18 + x^15 + x^12 + x^9 + x^8 + x^6 + x^3 + x^2 + x + 1
----------------------
42
27
6
x^15 + x^13 + x^10 + x^7 + x^6 + x^3 + x + 1
1
x^21 + x^20 + x^18 + x^16 + x^15 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^4
+
    x^3 + x^2 + 1
x^21 + x^19 + x^17 + x^14 + x^13 + x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3
+
    x^2 + x + 1
----------------------
42
24
8
x^14 + x^11 + x^10 + x^9 + x^7 + x^6 + x^5 + x + 1
x^4 + x^3 + x^2 + 1
x^21 + x^20 + x^17 + x^15 + x^9 + x^4 + x^3 + x + 1
```

```
x^21 + x^18 + x^17 + x^14 + x^13 + x^12 + x^11 + x^9 + x^6 + x^5 + x^4 + x + 1
-----------------------
42
28
6
x^14 + x^11 + x^10 + x^9 + x^7 + x^6 + x^5 + x + 1
1
x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^9 + x^8 + x^7 + x^6 + x + 1
x^21 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^9 + x^8 + x^7 + x^2 + x + 1
-----------------------
42
29
6
x^13 + x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3 + x^2 + 1
1
x^21 + x^20 + x^17 + x^16 + x^14 + x^13 + x^11 + x^10 + x^8 + x^7 + x^4 + x +
1
x^21 + x^18 + x^10 + x^9 + 1
-----------------------
42
32
4
x^10 + x^8 + x^6 + x^4 + x^3 + 1
1
x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^14 + x^10 + x^9 + x^8 + x^7 + x^2
+
    1
x^21 + x^19 + x^15 + x^10 + x^9 + x^2 + 1
-----------------------
42
33
4
x^9 + x^8 + x^5 + x^4 + x^2 + x + 1
1
x^21 + x^17 + x^16 + x^14 + x^13 + x^10 + x^9 + x^5 + x^4 + x^3 + 1
x^21 + x^20 + x^15 + x^13 + x^12 + x^9 + x^6 + x^4 + 1
-----------------------
42
34
4
x^7 + x^6 + x^5 + x^4 + x^3 + 1
x + 1
x^21 + x^20 + x^19 + x^17 + x^16 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^5
+
    x^2 + x + 1
x^21 + x^19 + x^18 + x^16 + x^14 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5
+ 1
-----------------------
42
35
4
x^7 + x^6 + x^5 + x^4 + x^3 + 1
1
x^21 + x^16 + x^14 + x^13 + x^9 + x^6 + x^4 + x + 1
x^21 + x^18 + x^17 + x^16 + x^15 + x^12 + x^10 + x^3 + x^2 + x + 1
-----------------------
42
```

37
2
x^5 + x^4 + 1
1
x^21 + x^20 + x^16 + x^14 + x^12 + x^10 + x^8 + x^2 + 1
x^21 + x^19 + x^17 + x^16 + x^15 + x^14 + x^12 + x^11 + x^8 + x^6 + x^5 + x^4 +
    x^2 + x + 1

42
38
2
x^4 + x^3 + x^2 + 1
1
x^21 + x^20 + x^19 + x^18 + x^12 + x^10 + x^7 + x^5 + x^3 + x + 1
x^21 + x^20 + x^19 + x^17 + x^13 + x^9 + x^8 + x^6 + x^5 + x^2 + 1

42
39
2
x^3 + x + 1
1
x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^13 + x^11 + x^10 + x^6 +
x^4
    + x^3 + x + 1
x^21 + x^18 + x^15 + x^14 + x^13 + x^11 + x^9 + x^8 + x^7 + x^3 + x^2 + x + 1

42
40
2
x^2 + x + 1
1
x^21 + x^20 + x^19 + x^18 + x^17 + x^14 + x^13 + x^11 + x^8 + x^7 + x^3 + x^2 +
    1
x^21 + x^19 + x^17 + x^15 + x^11 + x^7 + x^6 + x^3 + 1

42
41
2
x + 1
1
x^21 + x^19 + x^14 + x^13 + x^10 + x^7 + x^5 + x^3 + 1
x^21 + x^20 + x^19 + x^18 + x^14 + x^13 + x^12 + x^11 + x^10 + x^8 + x^5 +
x^4 +
    1

44
22
10
x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
    x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^22 + x^20 + x^19 + x^17 + x^16 + x^15 + x^11 + x^10 + x^9 + x^8 + x^6 + x^5
+
    x^2 + x + 1
x^22 + x^20 + x^15 + x^14 + x^13 + x^11 + x^9 + x^6 + x^5 + x^2 + 1

```
----------------------
44
23
9
x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
x + 1
x^22 + x^21 + x^19 + x^18 + x^17 + x^12 + x^11 + x^9 + x^8 + x^7 + x^5 + x^4
+ 1
x^22 + x^20 + x^14 + x^12 + x^10 + x^9 + x^4 + x^2 + 1
----------------------
44
24
8
x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
1
x^22 + x^19 + x^17 + x^14 + x^13 + x^12 + x^11 + x^6 + x^5 + x^4 + 1
x^22 + x^19 + x^18 + x^15 + x^14 + x^13 + x^12 + x^10 + x^6 + x^5 + x^3 + x^2
+
      1
----------------------
44
42
2
x^2 + 1
1
x^22 + x^19 + x^18 + x^15 + x^14 + x^13 + x^8 + x^6 + x^5 + x^3 + x^2 + x + 1
x^22 + x^21 + x^20 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^6 + 1
----------------------
44
43
2
x + 1
1
x^22 + x^21 + x^20 + x^19 + x^18 + x^14 + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1
x^22 + x^21 + x^19 + x^18 + x^16 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 +
x^3
      + x^2 + x + 1
----------------------
46
12
16
x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 +
      x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^12 + x^10 + x^7 + x^4 + x^3 + x^2 + x + 1
x^23 + x^20 + x^19 + x^17 + x^16 + x^13 + x^11 + x^10 + x^7 + x^6 + x^2 + x +
1
x^23 + x^22 + x^21 + x^20 + x^17 + x^16 + x^15 + x^12 + x^11 + x^7 + x^6 +
x^4 +
      x^3 + x + 1
----------------------
46
24
10
x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 +
x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4
      + x^3 + x^2 + x + 1
1
```

48
4
24
x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^21 + x^20 + x^17 + x^16 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
x^24 + x^23 + x^22 + x^17 + x^16 + x^15 + x^13 + x^12 + x^8 + x^6 + x^4 + x^3
+
    x^2 + x + 1
x^24 + x^23 + x^22 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^5 + x^4
+
    x^3 + x + 1

48
18
12
x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^7 + x^4 + x^3 + 1
x^24 + x^20 + x^18 + x^16 + x^12 + x^10 + x^9 + x^7 + x^6 + x^5 + 1
x^24 + x^18 + x^15 + x^14 + x^13 + x^9 + x^8 + x^5 + x^2 + x + 1

48
19
12
x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^6 + x^4 + x^2 + 1
x^24 + x^22 + x^20 + x^17 + x^16 + x^15 + x^14 + x^12 + x^9 + x^7 + x^6 + x^5
+
    1
x^24 + x^22 + x^20 + x^18 + x^17 + x^16 + x^14 + x^12 + x^11 + x^9 + x^7 +

```
x^6 +
    x^4 + x^3 + 1
-----------------------
48
20
12
x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^5 + x^4 + x + 1
x^24 + x^22 + x^19 + x^18 + x^14 + x^11 + x^9 + x^4 + x^2 + x + 1
x^24 + x^23 + x^22 + x^19 + x^18 + x^8 + x^7 + x^6 + x^4 + x^2 + 1
-----------------------
48
25
10
x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^24 + x^23 + x^22 + x^20 + x^18 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
x^8
    + x^4 + x^2 + 1
x^24 + x^21 + x^20 + x^18 + x^15 + x^13 + x^12 + x^11 + x^10 + x^8 + x^7 +
x^6 +
    x^5 + x^3 + x^2 + x + 1

-----------------------
48
27
8
x^21 + x^20 + x^17 + x^16 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
1
x^24 + x^23 + x^22 + x^21 + x^20 + x^18 + x^17 + x^16 + x^13 + x^12 + x^10 +
x^9
    + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
x^24 + x^14 + x^13 + x^12 + x^11 + x^9 + x^7 + x^6 + x^4 + x + 1
-----------------------
48
28
8
x^20 + x^19 + x^18 + x^14 + x^13 + x^12 + x^8 + x^7 + x^6 + x^2 + x + 1
1
x^24 + x^23 + x^20 + x^18 + x^17 + x^16 + x^15 + x^12 + x^10 + x^9 + x^8 +
x^4 +
    x^2 + x + 1
x^24 + x^21 + x^18 + x^17 + x^14 + x^13 + x^11 + x^10 + x^9 + x^6 + x^5 + x^4
+
    1
-----------------------
48
29
8
x^19 + x^17 + x^16 + x^15 + x^14 + x^12 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
1
x^24 + x^22 + x^20 + x^17 + x^16 + x^15 + x^13 + x^12 + x^7 + x^6 + 1
x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^13 + x^9 + x^8 +
x^7 +
    x^6 + x^4 + 1
```

```
----------------------
48
30
8
x^18 + x^17 + x^16 + x^14 + x^13 + x^12 + x^6 + x^5 + x^4 + x^2 + x + 1
1
x^24 + x^23 + x^20 + x^19 + x^18 + x^16 + x^15 + x^12 + x^11 + x^6 + x^5 +
x^4 +
    x^2 + x + 1
x^24 + x^23 + x^17 + x^15 + x^14 + x^13 + x^7 + x^6 + x^2 + x + 1
----------------------
48
32
6
x^16 + x^15 + x^14 + x^12 + x^11 + x^9 + x^7 + x^5 + x^4 + x^2 + x + 1
1
x^24 + x^23 + x^21 + x^19 + x^18 + x^16 + x^14 + x^13 + x^11 + x^10 + x^9 +
x^8
    + x^7 + x^6 + x^4 + x^2 + 1
x^24 + x^22 + x^19 + x^18 + x^17 + x^16 + x^14 + x^10 + x^9 + x^7 + x^4 + x +
1
----------------------
48
33
6
x^15 + x^13 + x^12 + x^10 + x^9 + x^6 + x^5 + x^3 + x^2 + 1
1
x^24 + x^17 + x^11 + x^9 + x^8 + x^5 + x^4 + x + 1
x^24 + x^19 + x^18 + x^12 + x^10 + x^8 + x^7 + x^5 + x^4 + x^2 + 1
----------------------
48
37
4
x^11 + x^8 + x^7 + x^4 + x^3 + 1
1
x^24 + x^22 + x^21 + x^20 + x^13 + x^11 + x^10 + x^9 + x^5 + x^2 + 1
x^24 + x^22 + x^21 + x^17 + x^16 + x^14 + x^13 + x^12 + x^10 + x^9 + x^4 + x
+ 1
----------------------
48
38
4
x^10 + x^6 + x^4 + 1
1
x^24 + x^23 + x^20 + x^18 + x^16 + x^12 + x^11 + x^10 + x^9 + x^7 + x^6 + x^5
+
    1
x^24 + x^23 + x^21 + x^20 + x^11 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
48
39
4
x^9 + x^8 + x^7 + x^6 + x^3 + x^2 + x + 1
1
x^24 + x^21 + x^20 + x^19 + x^17 + x^16 + x^14 + x^13 + x^11 + x^9 + x^6 +
x^5 +
    x^4 + x^3 + x^2 + x + 1
```

```
x^24 + x^21 + x^20 + x^18 + x^17 + x^14 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4
+
    x^3 + x^2 + 1
----------------------
48
40
4
x^8 + x^7 + x^5 + x^3 + x + 1
1
x^24 + x^20 + x^17 + x^16 + x^15 + x^14 + x^4 + x^2 + 1
x^24 + x^23 + x^22 + x^18 + x^14 + x^13 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
48
41
4
x^7 + x^4 + x^3 + 1
1
x^24 + x^23 + x^19 + x^17 + x^16 + x^13 + x^12 + x^11 + x^10 + x^8 + x^6 + x
+ 1
x^24 + x^22 + x^21 + x^20 + x^18 + x^17 + x^15 + x^14 + x^12 + x^11 + x^10 +
x^9
    + x^4 + x + 1
----------------------
48
43
2
x^5 + x^4 + x + 1
1
x^24 + x^23 + x^22 + x^19 + x^14 + x^11 + x^10 + x^7 + x^5 + x^4 + 1
x^24 + x^22 + x^21 + x^16 + x^15 + x^14 + x^13 + x^11 + x^9 + x^8 + x^4 + x^3
+
    x^2 + x + 1
----------------------
48
44
2
x^4 + 1
1
x^24 + x^23 + x^22 + x^21 + x^19 + x^18 + x^17 + x^16 + x^11 + x^6 + x^4 +
x^3 +
    1
x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^10 + x^9 + x^8 +
x^7 +
    x^6 + x^5 + x^4 + x^2 + 1
----------------------
48
45
2
x^3 + x^2 + x + 1
1
x^24 + x^18 + x^17 + x^14 + x^13 + x^12 + x^11 + x^9 + x^5 + x^3 + 1
x^24 + x^21 + x^18 + x^16 + x^13 + x^12 + x^11 + x^9 + x^8 + x^7 + 1
----------------------
48
46
2
x^2 + 1
```

12
x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 +
    x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
+
    x + 1
x^5 + 1
x^25 + x^23 + x^22 + x^20 + x^18 + x^16 + x^15 + x^14 + x^13 + x^10 + x^9 +
x^8
    + 1
x^25 + x^22 + x^20 + x^18 + x^17 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 +
x^8
    + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1

50
25
10
x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 +
    x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
+
    x + 1
x + 1
x^25 + x^24 + x^20 + x^18 + x^14 + x^13 + x^12 + x^11 + x^6 + x^3 + 1
x^25 + x^24 + x^20 + x^19 + x^18 + x^16 + x^15 + x^14 + x^13 + x^9 + x^4 +
x^2 +
    1

50
29
8
x^21 + x^20 + x^16 + x^15 + x^11 + x^10 + x^6 + x^5 + x + 1
1
x^25 + x^23 + x^22 + x^21 + x^20 + x^19 + x^17 + x^13 + x^10 + x^9 + x^8 +
x^3 +
    1
x^25 + x^23 + x^22 + x^21 + x^17 + x^16 + x^14 + x^13 + x^11 + x^8 + x^6 + x
+ 1

50
45
2
x^5 + 1
1
x^25 + x^23 + x^21 + x^20 + x^19 + x^17 + x^16 + x^14 + x^13 + x^10 + x^9 +
x^3
    + x^2 + x + 1
x^25 + x^24 + x^21 + x^19 + x^18 + x^17 + x^15 + x^12 + x^10 + x^9 + x^6 +
x^5 +
    x^3 + x + 1

50
46
2
x^4 + x^3 + x^2 + x + 1
1
x^25 + x^24 + x^21 + x^19 + x^17 + x^16 + x^13 + x^12 + x^11 + x^10 + x^5 +
x^4
    + 1
x^25 + x^20 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^2 + x + 1

50
49
2
x + 1
1
x^25 + x^23 + x^21 + x^18 + x^17 + x^11 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^25 + x^24 + x^23 + x^22 + x^19 + x^18 + x^17 + x^16 + x^14 + x^13 + x^12 +
    x^10 + x^9 + x^8 + x^6 + x^5 + x^2 + x + 1

52
26
10
x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
    x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
x^3 +
    x^2 + x + 1
x + 1
x^26 + x^25 + x^22 + x^21 + x^20 + x^19 + x^18 + x^16 + x^15 + x^14 + x^11 +
    x^10 + x^7 + x + 1
x^26 + x^25 + x^23 + x^21 + x^20 + x^17 + x^13 + x^12 + x^9 + x^8 + x^6 + x^4
+
    1

52

27
10
x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
    x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
x^3 +
    x^2 + x + 1
1
x^26 + x^23 + x^21 + x^19 + x^18 + x^15 + x^13 + x^10 + x^9 + x^3 + 1
x^26 + x^24 + x^20 + x^19 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^5 + x^4
+
    x^3 + x + 1

52
50
2
x^2 + 1
1
x^26 + x^25 + x^23 + x^21 + x^20 + x^19 + x^15 + x^14 + x^13 + x^10 + x^8 +
x^3
    + x^2 + x + 1
x^26 + x^23 + x^22 + x^21 + x^19 + x^18 + x^15 + x^7 + x^6 + x^2 + 1

52
51
2
x + 1
1
x^26 + x^24 + x^22 + x^21 + x^15 + x^14 + x^12 + x^7 + x^6 + x^5 + x^4 + x^3
+
    x^2 + x + 1
x^26 + x^23 + x^19 + x^17 + x^16 + x^15 + x^13 + x^11 + x^8 + x^6 + x^4 + x^3
+
    x^2 + x + 1

54
28
10
x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 +
    x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 +
x^4
    + x^3 + x^2 + x + 1
1
x^27 + x^26 + x^24 + x^23 + x^22 + x^21 + x^19 + x^16 + x^15 + x^14 + x^11 +
    x^10 + x^6 + x^5 + x^4 + x^2 + 1
x^27 + x^23 + x^21 + x^20 + x^18 + x^17 + x^13 + x^8 + x^7 + x^6 + x^5 + x^3
+ 1

54
23
12
x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 +
x^9
    + x^7 + x^6 + x^4 + x^3 + x + 1
x^6 + x^3 + 1
x^27 + x^25 + x^22 + x^20 + x^15 + x^13 + x^12 + x^11 + x^9 + x^7 + x^3 + x +
1
x^27 + x^26 + x^23 + x^20 + x^17 + x^15 + x^14 + x^12 + x^10 + x^8 + x^7 +

```
x^6 +
    x^5 + x^4 + x^2 + x + 1
-----------------------
54
29
10
x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 +
x^9
    + x^7 + x^6 + x^4 + x^3 + x + 1
1
x^27 + x^26 + x^24 + x^23 + x^20 + x^19 + x^16 + x^15 + x^14 + x^12 + x^7 +
x^6
    + x^3 + x + 1
x^27 + x^25 + x^24 + x^21 + x^19 + x^16 + x^15 + x^14 + x^13 + x^11 + x^9 +
x^6
    + x^5 + x^2 + 1
-----------------------
54
51
2
x^3 + 1
1
x^27 + x^25 + x^22 + x^21 + x^19 + x^18 + x^17 + x^16 + x^12 + x^11 + x^10 +
x^7
    + x^6 + x^5 + x^3 + x^2 + 1
x^27 + x^24 + x^23 + x^22 + x^16 + x^14 + x^12 + x^10 + x^8 + x^5 + x^2 + x +
1
-----------------------
54
52
2
x^2 + x + 1
1
x^27 + x^26 + x^25 + x^22 + x^20 + x^19 + x^14 + x^12 + x^6 + x^4 + x^3 + x^2
+
    1
x^27 + x^25 + x^23 + x^22 + x^21 + x^15 + x^14 + x^11 + x^10 + x^5 + x^2 + x
+ 1
-----------------------
54
53
2
x + 1
1
x^27 + x^26 + x^25 + x^24 + x^22 + x^21 + x^20 + x^19 + x^18 + x^16 + x^12 +
    x^11 + x^8 + x^7 + x^4 + x^2 + 1
x^27 + x^26 + x^21 + x^17 + x^16 + x^12 + x^9 + x^8 + x^6 + x^5 + x^2 + x + 1
-----------------------
56
22
14
x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^5
    + x^4 + x^3 + x^2 + x + 1
x^7 + x^6 + x^4 + x^3 + x^2 + 1
x^28 + x^27 + x^26 + x^23 + x^20 + x^18 + x^17 + x^14 + x^12 + x^10 + x^6 +
```

```
x^4
    + x^2 + x + 1
x^28 + x^27 + x^26 + x^22 + x^21 + x^17 + x^15 + x^14 + x^11 + x^9 + x^3 + x
+ 1
```

```
56
23
14
x^26 + x^24 + x^22 + x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 +
x^4 + x^2 + 1
x^7 + x^6 + x^4 + x^3 + x^2 + 1
x^28 + x^27 + x^26 + x^25 + x^20 + x^19 + x^14 + x^12 + x^10 + x^7 + x^5 +
x^4 + x^3 + x^2 + 1
x^28 + x^27 + x^26 + x^24 + x^23 + x^22 + x^21 + x^19 + x^18 + x^17 + x^15 +
x^14 + x^13 + x^11 + x^10 + x^9 + x^6 + x^5 +
    x^4 + x^3 + x^2 + x + 1
```

```
56
24
12
x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^5
    + x^4 + x^3 + x^2 + x + 1
x^5 + x^4 + x^3 + 1
x^28 + x^25 + x^24 + x^22 + x^19 + x^17 + x^14 + x^13 + x^12 + x^10 + x^9 +
x^8
    + x^7 + x^6 + x^3 + x^2 + 1
x^28 + x^25 + x^21 + x^20 + x^19 + x^17 + x^15 + x^11 + x^10 + x^5 + x^3 +
x^2 +
    1
```

```
56
25
12
x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^5
    + x^4 + x^3 + x^2 + x + 1
x^4 + 1
x^28 + x^26 + x^22 + x^20 + x^19 + x^18 + x^16 + x^14 + x^12 + x^11 + x^10 +
x^6
    + x^4 + x^2 + 1
x^28 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^17 + x^15 + x^10 + x^9 +
x^8
    + x^2 + x + 1
```

```
56
26
12
x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^5
    + x^4 + x^3 + x^2 + x + 1
x^3 + x^2 + x + 1
x^28 + x^26 + x^24 + x^22 + x^21 + x^18 + x^16 + x^15 + x^13 + x^12 + x^11 +
```

```
x^8
    + x^6 + x^5 + x^4 + x + 1
x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^17 + x^16 +
    x^13 + x^11 + x^10 + x^9 + x^7 + x^5 + x + 1
-----------------------
56
27
12
x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^5
    + x^4 + x^3 + x^2 + x + 1
x^2 + 1
x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^18 + x^17 + x^13 +
    x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^2 + 1
x^28 + x^27 + x^25 + x^23 + x^21 + x^20 + x^19 + x^17 + x^16 + x^12 + x^11 +
    x^10 + x^9 + x^7 + x^5 + x^2 + 1
-----------------------
56
30
10
x^26 + x^24 + x^22 + x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 +
x^4 +
    x^2 + 1
1
x^28 + x^25 + x^21 + x^20 + x^19 + x^18 + x^17 + x^12 + x^11 + x^10 + x^5 +
x^3
    + 1
x^28 + x^26 + x^25 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^14 + x^12 +
    x^11 + x^10 + x^7 + x^4 + x + 1
-----------------------
56
33
8
x^23 + x^20 + x^19 + x^18 + x^17 + x^15 + x^14 + x^9 + x^6 + x^5 + x^4 + x^3
+ x
    + 1
1
x^28 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^14 + x^13 +
    x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + 1
x^28 + x^27 + x^26 + x^25 + x^23 + x^22 + x^20 + x^19 + x^18 + x^15 + x^14 +
    x^13 + x^11 + x^9 + x^8 + x^7 + x^4 + x^3 + x^2 + x + 1
-----------------------
56
34
8
x^22 + x^21 + x^20 + x^18 + x^16 + x^15 + x^13 + x^12 + x^11 + x^10 + x^9 +
x^5
    + x^3 + 1
1
x^28 + x^27 + x^24 + x^23 + x^22 + x^20 + x^19 + x^18 + x^11 + x^10 + x^9 +
x^5
    + x^3 + x + 1
x^28 + x^26 + x^25 + x^23 + x^21 + x^20 + x^18 + x^17 + x^16 + x^15 + x^12 +
    x^10 + x^9 + x^5 + x^4 + x + 1
-----------------------
56
```

```
35
8
x^21 + x^20 + x^19 + x^18 + x^15 + x^14 + x^7 + x^6 + x^5 + x^4 + x + 1
1
x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^21 + x^20 + x^14 + x^13 + x^11 +
x^8
    + x^7 + x^5 + x^4 + x + 1
x^28 + x^25 + x^24 + x^23 + x^22 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
    x^14 + x^13 + x^11 + x^7 + x^6 + x^5 + x^2 + 1
----------------------
56
36
8
x^19 + x^17 + x^16 + x^11 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x + 1
x + 1
x^28 + x^25 + x^22 + x^21 + x^20 + x^19 + x^18 + x^13 + x^12 + x^11 + x^7 +
x^5
    + x^3 + x^2 + 1
x^28 + x^27 + x^26 + x^22 + x^21 + x^18 + x^17 + x^13 + x^12 + x^10 + x^9 +
x^7
    + x^6 + x^3 + 1
----------------------
56
37
8
x^19 + x^17 + x^16 + x^11 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x + 1
1
x^28 + x^27 + x^24 + x^23 + x^22 + x^21 + x^19 + x^17 + x^16 + x^15 + x^11 +
    x^10 + x^6 + x^5 + 1
x^28 + x^26 + x^24 + x^22 + x^20 + x^17 + x^16 + x^15 + x^14 + x^13 + x^10 +
x^9
    + x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
56
40
6
x^15 + x^13 + x^12 + x^11 + x^9 + x^8 + x^3 + x + 1
x + 1
x^28 + x^27 + x^26 + x^24 + x^23 + x^21 + x^19 + x^18 + x^17 + x^15 + x^14 +
    x^13 + x^12 + x^11 + x^10 + x^8 + x^7 + x^4 + x^3 + x + 1
x^28 + x^26 + x^25 + x^24 + x^23 + x^13 + x^12 + x^11 + x^10 + x^7 + x^5 +
x^4 +
    x^2 + x + 1
----------------------
56
41
6
x^15 + x^13 + x^12 + x^11 + x^9 + x^8 + x^3 + x + 1
1
x^28 + x^27 + x^25 + x^24 + x^23 + x^22 + x^20 + x^15 + x^13 + x^12 + x^11 +
    x^10 + x^4 + x^3 + x^2 + x + 1
x^28 + x^27 + x^26 + x^25 + x^22 + x^20 + x^18 + x^17 + x^14 + x^13 + x^10 +
x^9
    + x^8 + x^5 + x^4 + x + 1
----------------------
56
45
```

```
4
x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3 + 1
1
x^28 + x^27 + x^24 + x^23 + x^21 + x^17 + x^16 + x^15 + x^13 + x^10 + x^7 +
x^6
    + x^5 + x^2 + 1
x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^18 + x^17 + x^13 + x^12 + x^11 +
    x^10 + x^8 + x^7 + x^3 + x^2 + 1
----------------------
56
46
4
x^10 + x^7 + x^5 + x^2 + x + 1
1
x^28 + x^26 + x^25 + x^18 + x^17 + x^15 + x^14 + x^8 + x^7 + x^6 + x^4 + x^2
+ 1
x^28 + x^27 + x^26 + x^25 + x^23 + x^22 + x^21 + x^19 + x^16 + x^15 + x^14 +
    x^10 + x^9 + x^8 + x^4 + x^2 + 1
----------------------
56
47
4
x^9 + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^28 + x^26 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^14 +
    x^10 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
x^28 + x^27 + x^26 + x^25 + x^22 + x^21 + x^20 + x^19 + x^18 + x^14 + x^12 +
    x^10 + x^9 + x^7 + 1
----------------------
56
48
4
x^7 + x^6 + x^4 + x^3 + x^2 + 1
x + 1
x^28 + x^27 + x^26 + x^24 + x^21 + x^20 + x^14 + x^7 + x^5 + x^4 + 1
x^28 + x^26 + x^25 + x^24 + x^23 + x^21 + x^18 + x^17 + x^16 + x^13 + x^8 +
x^7
    + x^4 + x^3 + x^2 + x + 1
----------------------
56
49
4
x^7 + x^6 + x^4 + x^3 + x^2 + 1
1
x^28 + x^27 + x^23 + x^20 + x^15 + x^14 + x^11 + x^9 + x^8 + x^5 + x^2 + x + 1
x^28 + x^27 + x^26 + x^25 + x^24 + x^21 + x^20 + x^19 + x^18 + x^16 + x^15 +
    x^14 + x^9 + x^7 + x^6 + x^5 + x^3 + x^2 + 1
----------------------
56
51
2
x^5 + x^4 + x^3 + 1
1
x^28 + x^27 + x^26 + x^23 + x^20 + x^19 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^11 + x^10 + x^9 + x^6 + x^5 + x^3 + x^2 + 1
x^28 + x^27 + x^26 + x^25 + x^23 + x^22 + x^20 + x^18 + x^14 + x^12 + x^10 +
x^9
```

```
     + x^7 + x^3 + x^2 + x + 1
-----------------------
56
52
2
x^4 + 1
1
x^28 + x^27 + x^22 + x^21 + x^20 + x^16 + x^15 + x^13 + x^9 + x^8 + x^7 + x^6
+
    x^2 + x + 1
x^28 + x^26 + x^24 + x^23 + x^22 + x^20 + x^17 + x^14 + x^13 + x^12 + x^11 +
    x^10 + x^9 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
-----------------------
56
53
2
x^3 + x^2 + x + 1
1
x^28 + x^27 + x^26 + x^24 + x^22 + x^20 + x^19 + x^18 + x^15 + x^13 + x^12 +
    x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^3 + 1
x^28 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^13 + x^10 + x^9 + x^7 +
x^6 +
    1
-----------------------
56
54
2
x^2 + 1
1
x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 + x^15 + x^13 +
    x^12 + x^6 + x^5 + x^4 + x^2 + 1
x^28 + x^26 + x^25 + x^22 + x^21 + x^19 + x^17 + x^16 + x^14 + x^13 + x^10 +
x^6
    + x^5 + x^3 + 1
-----------------------
56
55
2
x + 1
1
x^28 + x^24 + x^18 + x^17 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 +
x^8
    + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
x^28 + x^27 + x^24 + x^22 + x^21 + x^20 + x^18 + x^16 + x^12 + x^10 + x^9 +
x^7
    + x^5 + x^4 + x^3 + x^2 + 1
-----------------------
58
57
2
x + 1
1
x^29 + x^24 + x^20 + x^18 + x^14 + x^13 + x^12 + x^11 + x^10 + x^7 + x^5 + x
+ 1
x^29 + x^25 + x^24 + x^23 + x^20 + x^18 + x^17 + x^13 + x^10 + x^9 + x^7 +
x^6 +
    x^2 + x + 1
```

60
7
28
x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^24 + x^22 + x^21 + x^19 + x^18 + x^17 + x^14 + x^13 + x^12 + x^11 + x^10 +
x^8
    + x^5 + x + 1
x^30 + x^29 + x^28 + x^25 + x^19 + x^17 + x^16 + x^15 + x^12 + x^10 + x^8 +
x^7
    + x^5 + x^2 + 1
x^30 + x^29 + x^26 + x^24 + x^23 + x^22 + x^20 + x^17 + x^16 + x^15 + x^14 +
    x^13 + x^10 + x^6 + x^5 + x^2 + 1

60
21
16
x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^10 + x^8 + x^4 + 1
x^30 + x^28 + x^27 + x^24 + x^20 + x^16 + x^15 + x^12 + x^11 + x^9 + x^8 +
x^7 +
    x^6 + x^4 + 1
x^30 + x^28 + x^22 + x^18 + x^17 + x^16 + x^15 + x^13 + x^12 + x^11 + x^8 +
x^7
    + x^3 + x^2 + 1

60
22
16
x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 +
    x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^9 + x^8 + x^3 + x^2 + x + 1
x^30 + x^28 + x^27 + x^26 + x^25 + x^23 + x^20 + x^18 + x^11 + x^10 + x^8 +
x^5 + x^2 + x + 1
x^30 + x^29 + x^27 + x^24 + x^23 + x^22 + x^21 + x^20 + x^15 + x^14 + x^13 +
x^12 + x^11 + x^6 + x^5 + x + 1

60
28
12
x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^3 + 1
x^30 + x^29 + x^28 + x^27 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^17 + x^16 + x^15 + x^13 + x^12 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
x^30 + x^28 + x^27 + x^26 + x^25 + x^23 + x^22 + x^21 + x^20 + x^19 + x^17 +
    x^11 + x^9 + x^7 + x^6 + x^5 + 1

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----------------------
60
29
12
x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^2 + 1
x^30 + x^25 + x^22 + x^20 + x^18 + x^17 + x^16 + x^13 + x^9 + x^4 + x^3 + x +
1
x^30 + x^26 + x^21 + x^18 + x^17 + x^16 + x^12 + x^10 + x^8 + x^7 + x^6 + x^5
+
    x^3 + x + 1
----------------------
60
30
12
x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^30 + x^29 + x^27 + x^23 + x^22 + x^20 + x^17 + x^15 + x^14 + x^13 + x^10 +
x^9
    + x^8 + x^7 + x^6 + x + 1
x^30 + x^29 + x^28 + x^27 + x^25 + x^21 + x^18 + x^17 + x^16 + x^15 + x^13 +
    x^11 + x^10 + x^9 + x^7 + x^2 + 1
----------------------
60
37
8
x^23 + x^19 + x^17 + x^16 + x^15 + x^8 + x^4 + x^2 + x + 1
1
x^30 + x^28 + x^25 + x^23 + x^22 + x^18 + x^17 + x^16 + x^15 + x^13 + x^10 +
x^8
    + x^7 + x^5 + 1
x^30 + x^29 + x^27 + x^26 + x^24 + x^23 + x^20 + x^19 + x^17 + x^16 + x^14 +
    x^12 + x^7 + x^5 + x^4 + x^2 + 1
----------------------
60
38
8
x^22 + x^21 + x^20 + x^19 + x^16 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 +
x^8
    + x^3 + x^2 + 1
1
x^30 + x^29 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^13 + x^12 + x^10 +
x^5
    + x^3 + x^2 + 1
x^30 + x^26 + x^25 + x^23 + x^22 + x^18 + x^17 + x^13 + x^11 + x^9 + x^8 +
x^7 +
    x^5 + x^3 + 1
----------------------
60
39
8
```

```
x^21 + x^20 + x^18 + x^16 + x^13 + x^12 + x^10 + x^9 + x^7 + x^5 + x^4 + 1
1
x^30 + x^28 + x^23 + x^19 + x^16 + x^15 + x^12 + x^11 + x^10 + x^9 + x^8 +
x^7 +
    x^6 + x^5 + x^4 + x^3 + 1
x^30 + x^29 + x^28 + x^27 + x^24 + x^22 + x^21 + x^19 + x^18 + x^17 + x^15 +
    x^11 + x^10 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
----------------------
60
40
8
x^20 + x^19 + x^17 + x^16 + x^12 + x^11 + x^9 + x^7 + x^6 + x^2 + x + 1
1
x^30 + x^29 + x^28 + x^27 + x^24 + x^23 + x^19 + x^15 + x^14 + x^13 + x^9 +
x^7
    + x^4 + x^2 + 1
x^30 + x^29 + x^28 + x^24 + x^22 + x^20 + x^19 + x^15 + x^14 + x^10 + x^6 +
x^5
    + x^3 + x + 1
----------------------
60
44
6
x^14 + x^13 + x^9 + x^7 + x^6 + x^5 + x^3 + x^2 + x + 1
x^2 + 1
x^30 + x^24 + x^21 + x^20 + x^17 + x^15 + x^14 + x^12 + x^11 + x^10 + x^8 +
x^6
    + x^4 + x^3 + 1
x^30 + x^29 + x^28 + x^25 + x^24 + x^23 + x^17 + x^14 + x^13 + x^12 + x^11 +
    x^10 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
60
45
6
x^13 + x^8 + x^7 + x^5 + x^2 + 1
x^2 + 1
x^30 + x^29 + x^28 + x^27 + x^24 + x^22 + x^19 + x^18 + x^16 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^8 + x^7 + 1
x^30 + x^28 + x^25 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^14 +
    x^13 + x^12 + x^11 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
60
49
4
x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
1
x^30 + x^28 + x^27 + x^26 + x^20 + x^19 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^9 + x^8 + x^6 + x^4 + x + 1
x^30 + x^29 + x^28 + x^26 + x^25 + x^24 + x^23 + x^19 + x^18 + x^15 + x^14 +
    x^11 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x^2 + x + 1
----------------------
60
50
4
x^10 + x^8 + x^4 + 1
1
x^30 + x^28 + x^23 + x^21 + x^20 + x^18 + x^16 + x^15 + x^14 + x^13 + x^12 +
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    x^11 + x^9 + x^7 + x^6 + x^5 + 1
x^30 + x^29 + x^27 + x^25 + x^24 + x^21 + x^18 + x^15 + x^14 + x^11 + x^10 +
x^9
    + x^4 + x^2 + 1
----------------------
60
51
4
x^9 + x^8 + x^3 + x^2 + x + 1
1
x^30 + x^27 + x^26 + x^24 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^15 +
    x^12 + x^11 + x^6 + x^5 + x^2 + 1
x^30 + x^29 + x^22 + x^21 + x^20 + x^19 + x^18 + x^15 + x^11 + x^10 + x^8 +
x^6
    + x^5 + x^3 + x^2 + x + 1
----------------------
60
52
4
x^8 + x^7 + x^4 + x + 1
1
x^30 + x^28 + x^25 + x^24 + x^23 + x^22 + x^21 + x^19 + x^18 + x^11 + x^9 +
x^8
    + x^6 + x^5 + 1
x^30 + x^29 + x^28 + x^25 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 +
    x^11 + x^8 + x^7 + x^5 + x^2 + 1
----------------------
60
53
4
x^6 + x^4 + x^3 + x^2 + x + 1
x + 1
x^30 + x^28 + x^27 + x^22 + x^21 + x^19 + x^16 + x^15 + x^12 + x^10 + x^7 +
x^4
    + x^3 + x + 1
x^30 + x^26 + x^25 + x^24 + x^23 + x^20 + x^19 + x^18 + x^17 + x^13 + x^11 +
x^8
    + x^5 + x^3 + x^2 + x + 1
----------------------
60
55
2
x^5 + x^4 + x^2 + 1
1
x^30 + x^29 + x^28 + x^27 + x^23 + x^22 + x^21 + x^19 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
x^30 + x^28 + x^26 + x^24 + x^23 + x^20 + x^19 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^10 + x^5 + x^4 + x^3 + x^2 + x + 1
----------------------
60
56
2
x^4 + x^2 + 1
1
x^30 + x^29 + x^27 + x^26 + x^25 + x^24 + x^21 + x^20 + x^17 + x^16 + x^12 +
    x^11 + x^10 + x^8 + x^6 + x^4 + x^3 + x^2 + 1
x^30 + x^29 + x^25 + x^23 + x^22 + x^19 + x^15 + x^14 + x^13 + x^10 + x^9 +
```

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x^6
    + x^5 + x^3 + x^2 + x + 1
-----------------------
60
57
2
x^3 + 1
1
x^30 + x^28 + x^27 + x^26 + x^25 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 +
    x^17 + x^16 + x^15 + x^14 + x^11 + x^9 + x^7 + x^5 + x^2 + 1
x^30 + x^29 + x^28 + x^24 + x^22 + x^21 + x^20 + x^17 + x^15 + x^13 + x^12 +
    x^11 + x^10 + x^6 + x^5 + x^3 + x^2 + x + 1
-----------------------
60
58
2
x^2 + 1
1
x^30 + x^29 + x^28 + x^27 + x^23 + x^20 + x^17 + x^14 + x^13 + x^11 + x^5 +
x^3
    + 1
x^30 + x^28 + x^27 + x^25 + x^24 + x^23 + x^22 + x^20 + x^19 + x^17 + x^15 +
    x^12 + x^10 + x^9 + x^5 + x + 1
-----------------------
60
59
2
x + 1
1
x^30 + x^29 + x^28 + x^27 + x^25 + x^22 + x^20 + x^13 + x^12 + x^10 + x^9 +
x^8
    + x^7 + x^4 + x^3 + x + 1
x^30 + x^27 + x^25 + x^23 + x^21 + x^20 + x^19 + x^18 + x^15 + x^14 + x^13 +
    x^11 + x^6 + x^5 + x^3 + x + 1
-----------------------
62
7
30
x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^25 + x^24 + x^21 + x^19 + x^18 + x^16 + x^15 + x^14 + x^13 + x^11 + x^9 +
x^5 + x^2 + x + 1
x^31 + x^30 + x^29 + x^28 + x^26 + x^23 + x^21 + x^20 + x^19 + x^18 + x^16 +
x^15 + x^13 + x^10 + x^9 + x^7 + x^6 + x^5 + x^4
    + x^2 + 1
x^31 + x^29 + x^28 + x^25 + x^24 + x^19 + x^17 + x^13 + x^11 + x^10 + x^8 +
x^7 + x^5 + x^4 + 1

-----------------------
62
22
16
x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
    x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9
+
    x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
```

x^10 + x^9 + x^4 + x^3 + 1
x^31 + x^29 + x^22 + x^20 + x^19 + x^18 + x^17 + x^12 + x^11 + x^9 + x^8 + x^7 +
    x^5 + x^4 + 1
x^31 + x^30 + x^26 + x^25 + x^19 + x^17 + x^13 + x^11 + x^10 + x^9 + x^7 + x^3 +
    x^2 + x + 1

62
30
12
x^26 + x^24 + x^23 + x^21 + x^19 + x^15 + x^14 + x^13 + x^11 + x^10 + x^9 + x^8
    + x^7 + x^4 + x + 1
x^6 + x^5 + x^4 + x^3 + x + 1
x^31 + x^30 + x^29 + x^24 + x^23 + x^19 + x^18 + x^17 + x^13 + x^8 + x^5 + x^3 +
    x^2 + x + 1
x^31 + x^30 + x^29 + x^26 + x^23 + x^22 + x^20 + x^19 + x^18 + x^16 + x^15 +
    x^14 + x^13 + x^11 + x^10 + x^8 + x^3 + x + 1

62
31
12
x^26 + x^24 + x^23 + x^21 + x^19 + x^15 + x^14 + x^13 + x^11 + x^10 + x^9 + x^8
    + x^7 + x^4 + x + 1
x^5 + x^2 + 1
x^31 + x^30 + x^28 + x^27 + x^26 + x^25 + x^20 + x^19 + x^17 + x^16 + x^13 +
    x^12 + x^11 + x^10 + x^6 + x^5 + x^3 + x + 1
x^31 + x^27 + x^24 + x^23 + x^18 + x^15 + x^13 + x^12 + x^10 + x^9 + x^3 + x^2 +
    1

62
36
10
x^26 + x^24 + x^23 + x^21 + x^19 + x^15 + x^14 + x^13 + x^11 + x^10 + x^9 + x^8
    + x^7 + x^4 + x + 1
1
x^31 + x^24 + x^23 + x^22 + x^21 + x^15 + x^14 + x^10 + x^9 + x^8 + x^6 + x^2 +
    1
x^31 + x^28 + x^26 + x^25 + x^22 + x^20 + x^13 + x^11 + x^10 + x^4 + x^3 + x + 1

62
40
8
x^21 + x^20 + x^18 + x^16 + x^14 + x^13 + x^12 + x^11 + x^8 + x^5 + x^3 + 1
x + 1
x^31 + x^28 + x^27 + x^24 + x^23 + x^22 + x^21 + x^18 + x^16 + x^14 + x^9 + x^5
    + x^4 + x + 1
x^31 + x^27 + x^26 + x^24 + x^21 + x^20 + x^17 + x^15 + x^14 + x^13 + x^12 +
    x^11 + x^9 + x^5 + x^4 + x^3 + x^2 + x + 1

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62
41
8
x^21 + x^20 + x^18 + x^16 + x^14 + x^13 + x^12 + x^11 + x^8 + x^5 + x^3 + 1
1
x^31 + x^30 + x^27 + x^26 + x^22 + x^21 + x^20 + x^17 + x^16 + x^5 + x^4 + x
+ 1
x^31 + x^30 + x^29 + x^28 + x^27 + x^24 + x^20 + x^16 + x^15 + x^13 + x^11 +
    x^10 + x^8 + x^6 + x^5 + x^2 + 1
----------------------
62
46
6
x^16 + x^15 + x^12 + x^10 + x^3 + x^2 + x + 1
1
x^31 + x^29 + x^28 + x^26 + x^25 + x^24 + x^23 + x^22 + x^14 + x^12 + x^7 +
x^3
    + 1
x^31 + x^25 + x^24 + x^23 + x^19 + x^18 + x^17 + x^16 + x^14 + x^13 + x^11 +
x^9
    + x^7 + x^5 + 1
----------------------
62
51
4
x^11 + x^10 + x^9 + x^6 + x^5 + 1
1
x^31 + x^27 + x^25 + x^23 + x^21 + x^20 + x^15 + x^10 + x^9 + x^8 + x^7 + x^3
+
    1
x^31 + x^30 + x^29 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
    x^19 + x^17 + x^15 + x^14 + x^13 + x^9 + x^8 + x^6 + x^4 + x^3 + x^2 + 1
----------------------
62
52
4
x^10 + x^9 + x^4 + x^3 + 1
1
x^31 + x^25 + x^20 + x^19 + x^15 + x^13 + x^12 + x^11 + x^8 + x^7 + x^6 + x^5
+
    x^4 + x^2 + 1
x^31 + x^30 + x^28 + x^27 + x^23 + x^22 + x^20 + x^19 + x^17 + x^15 + x^14 +
    x^10 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
62
55
4
x^6 + x^5 + x^4 + x^3 + x + 1
x + 1
x^31 + x^30 + x^29 + x^28 + x^25 + x^24 + x^23 + x^19 + x^14 + x^13 + x^10 +
x^9
    + x^7 + x^5 + x^4 + x + 1
x^31 + x^29 + x^28 + x^24 + x^23 + x^22 + x^17 + x^16 + x^14 + x^13 + x^11 +
    x^10 + x^9 + x^5 + 1
----------------------
62
```

57
2
x^5 + x^2 + 1
1
x^31 + x^30 + x^29 + x^27 + x^26 + x^25 + x^24 + x^13 + x^12 + x^10 + x^9 +
x^4
    + x^3 + x + 1
x^31 + x^28 + x^27 + x^24 + x^22 + x^20 + x^17 + x^14 + x^13 + x^12 + x^8 +
x^7
    + x^4 + x^2 + 1

62
61
2
x + 1
1
x^31 + x^27 + x^26 + x^25 + x^21 + x^19 + x^18 + x^16 + x^15 + x^14 + x^12 +
    x^10 + x^8 + x^7 + x^4 + x + 1
x^31 + x^30 + x^29 + x^28 + x^26 + x^25 + x^24 + x^20 + x^19 + x^18 + x^15 +
    x^13 + x^12 + x^11 + x^10 + x^9 + x^7 + x^3 + 1

64
31
12
x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
x^10 +
    x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^2 + 1
x^32 + x^31 + x^30 + x^29 + x^27 + x^25 + x^23 + x^17 + x^15 + x^14 + x^13 +
    x^11 + x^9 + x^6 + x^2 + x + 1
x^32 + x^30 + x^29 + x^28 + x^26 + x^24 + x^19 + x^18 + x^15 + x^12 + x^10 +
x^5
    + x^4 + x^3 + x^2 + x + 1

64
32
12
x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
x^10 +
    x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^32 + x^30 + x^27 + x^26 + x^23 + x^21 + x^20 + x^18 + x^15 + x^14 + x^13 +
x +
    1
x^32 + x^31 + x^30 + x^28 + x^27 + x^25 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^18 + x^15 + x^12 + x^11 + x^10 + x^8 + x^6 + x^4 + x + 1

64
33
12
x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
x^10 +
    x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1

```
x^32 + x^30 + x^29 + x^28 + x^26 + x^22 + x^19 + x^16 + x^15 + x^13 + x^12 +
    x^11 + x^10 + x^9 + x^8 + x^6 + x^2 + x + 1
x^32 + x^31 + x^30 + x^28 + x^25 + x^24 + x^23 + x^22 + x^21 + x^19 + x^15 +
    x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^3 + 1
----------------------
64
58
2
x^6 + x^4 + x^2 + 1
1
x^32 + x^30 + x^29 + x^27 + x^24 + x^20 + x^19 + x^18 + x^17 + x^12 + x^11 +
    x^10 + x^7 + x^6 + x^4 + x^3 + x^2 + x + 1
x^32 + x^31 + x^30 + x^28 + x^26 + x^23 + x^22 + x^20 + x^19 + x^16 + x^15 +
    x^14 + x^11 + x^10 + x^9 + x^2 + 1
----------------------
64
59
2
x^5 + x^4 + x + 1
1
x^32 + x^29 + x^28 + x^27 + x^26 + x^25 + x^21 + x^19 + x^16 + x^15 + x^14 +
    x^12 + x^11 + x^10 + x^7 + x^3 + 1
x^32 + x^31 + x^27 + x^22 + x^19 + x^18 + x^17 + x^16 + x^14 + x^12 + x^9 +
x^7
    + x^6 + x^2 + 1
----------------------
64
60
2
x^4 + 1
1
x^32 + x^31 + x^30 + x^29 + x^27 + x^26 + x^23 + x^22 + x^20 + x^19 + x^18 +
    x^15 + x^13 + x^11 + x^9 + x^8 + x^6 + x^2 + 1
x^32 + x^31 + x^30 + x^28 + x^24 + x^20 + x^19 + x^18 + x^17 + x^15 + x^7 +
x^6
    + x^5 + x^4 + x^3 + x^2 + 1
----------------------
64
61
2
x^3 + x^2 + x + 1
1
x^32 + x^31 + x^30 + x^28 + x^24 + x^22 + x^20 + x^18 + x^16 + x^14 + x^13 +
    x^12 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^32 + x^31 + x^27 + x^26 + x^25 + x^23 + x^21 + x^20 + x^19 + x^17 + x^11 +
x^4
    + x^3 + x + 1
----------------------
64
62
2
x^2 + 1
1
x^32 + x^30 + x^29 + x^27 + x^25 + x^21 + x^20 + x^15 + x^14 + x^13 + x^10 +
x^9
    + 1
x^32 + x^30 + x^28 + x^27 + x^25 + x^24 + x^21 + x^17 + x^16 + x^15 + x^14 +
```

```
    x^13 + x^12 + x^10 + x^8 + x^4 + x^3 + x + 1
----------------------
64
63
2
x + 1
1
x^32 + x^31 + x^29 + x^28 + x^25 + x^19 + x^15 + x^9 + x^4 + x + 1
x^32 + x^31 + x^28 + x^27 + x^25 + x^23 + x^20 + x^19 + x^16 + x^12 + x^11 +
    x^10 + x^5 + x + 1
----------------------
66
33
12
x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 +
    x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 +
x^11 +
    x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^33 + x^32 + x^30 + x^29 + x^27 + x^26 + x^23 + x^22 + x^19 + x^18 + x^16 +
    x^15 + x^14 + x^13 + x^11 + x^9 + x^8 + x^7 + x^5 + x + 1
x^33 + x^29 + x^26 + x^25 + x^23 + x^22 + x^21 + x^19 + x^18 + x^17 + x^16 +
    x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
----------------------
66
22
18
x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 +
    x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^13 + x^8 + x^7 + x^6 + x^5 + 1
x^33 + x^32 + x^30 + x^24 + x^22 + x^15 + x^13 + x^12 + x^11 + x^10 + x^9 +
x^6
    + x^5 + x^3 + x^2 + x + 1
x^33 + x^32 + x^31 + x^30 + x^27 + x^24 + x^21 + x^19 + x^17 + x^12 + x^11 +
    x^10 + x^5 + x^4 + x^3 + x + 1
----------------------
66
25
16
x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 +
    x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^10 + x^7 + x^5 + x^3 + 1
x^33 + x^32 + x^29 + x^25 + x^22 + x^20 + x^18 + x^17 + x^16 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^7 + x^5 + x^4 + x^3 + x + 1
x^33 + x^32 + x^31 + x^30 + x^29 + x^27 + x^25 + x^24 + x^21 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^12 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
x^3 +
    x^2 + 1
----------------------
66
34
12
x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 +
    x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x + 1
x^33 + x^31 + x^26 + x^25 + x^24 + x^21 + x^4 + x^2 + 1
x^33 + x^30 + x^26 + x^25 + x^23 + x^20 + x^19 + x^18 + x^17 + x^14 + x^11 +
```

```
    x^10 + x^8 + x^6 + x^5 + x^3 + 1
----------------------
66
35
12
x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 +
x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 +
    x^4 + x^3 + x + 1
1
x^33 + x^30 + x^27 + x^25 + x^23 + x^22 + x^21 + x^18 + x^17 + x^16 + x^15 +
x^14 + x^13 + x^10 + x^9 + x^8 + x^6 + x^3 + 1
x^33 + x^31 + x^28 + x^27 + x^26 + x^24 + x^21 + x^20 + x^16 + x^14 + x^12 +
x^11 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + 1

----------------------
66
40
10
x^23 + x^20 + x^18 + x^17 + x^16 + x^14 + x^12 + x^11 + x^9 + x^7 + x^6 + x^5
+
    x^3 + 1
x^3 + 1
x^33 + x^31 + x^30 + x^26 + x^25 + x^22 + x^21 + x^20 + x^19 + x^18 + x^15 +
    x^14 + x^9 + x^6 + x^4 + x^3 + x^2 + x + 1
x^33 + x^31 + x^30 + x^28 + x^27 + x^22 + x^19 + x^17 + x^15 + x^13 + x^7 +
x^6
    + x^5 + x^2 + 1
----------------------
66
42
8
x^23 + x^20 + x^18 + x^17 + x^16 + x^14 + x^12 + x^11 + x^9 + x^7 + x^6 + x^5
+
    x^3 + 1
x + 1
x^33 + x^31 + x^30 + x^29 + x^28 + x^22 + x^21 + x^19 + x^18 + x^16 + x^15 +
    x^14 + x^13 + x^12 + x^11 + x^9 + x^7 + x^3 + x^2 + x + 1
x^33 + x^30 + x^29 + x^28 + x^26 + x^25 + x^22 + x^20 + x^17 + x^16 + x^14 +
    x^10 + x^6 + x^4 + x^3 + x^2 + 1
----------------------
66
43
8
x^23 + x^20 + x^18 + x^17 + x^16 + x^14 + x^12 + x^11 + x^9 + x^7 + x^6 + x^5
+
    x^3 + 1
1
x^33 + x^32 + x^30 + x^29 + x^25 + x^23 + x^22 + x^21 + x^20 + x^17 + x^16 +
    x^15 + x^14 + x^5 + x^2 + x + 1
x^33 + x^30 + x^25 + x^21 + x^19 + x^18 + x^17 + x^16 + x^14 + x^11 + x^10 +
x^9
    + x^6 + x^2 + 1
----------------------
66
44
8
x^21 + x^18 + x^16 + x^14 + x^11 + x^10 + x^7 + x^5 + x^3 + 1
```

```
x + 1
x^33 + x^32 + x^31 + x^30 + x^26 + x^24 + x^21 + x^19 + x^18 + x^17 + x^16 +
    x^13 + x^12 + x^10 + x^8 + x^6 + x^3 + x + 1
x^33 + x^31 + x^30 + x^27 + x^24 + x^22 + x^20 + x^19 + x^18 + x^17 + x^16 +
    x^15 + x^14 + x^13 + x^11 + x^10 + x^7 + x^6 + x^5 + x^3 + x^2 + x + 1
-----------------------
66
45
8
x^21 + x^18 + x^16 + x^14 + x^11 + x^10 + x^7 + x^5 + x^3 + 1
1
x^33 + x^32 + x^31 + x^29 + x^26 + x^25 + x^24 + x^23 + x^21 + x^20 + x^19 +
    x^16 + x^15 + x^13 + x^12 + x^11 + x^10 + x^9 + x^7 + x^5 + x^4 + x^2 + 1
x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^25 + x^23 + x^19 + x^17 +
    x^16 + x^13 + x^11 + x^9 + x^8 + x^7 + x^4 + 1
-----------------------
66
50
6
x^13 + x^8 + x^7 + x^6 + x^5 + 1
x^3 + 1
x^33 + x^30 + x^29 + x^28 + x^24 + x^23 + x^22 + x^21 + x^20 + x^18 + x^15 +
    x^14 + x^10 + x^8 + x^5 + x + 1
x^33 + x^32 + x^27 + x^22 + x^17 + x^16 + x^13 + x^12 + x^8 + x^5 + x^2 + x +
1
----------------------
66
51
6
x^13 + x^8 + x^7 + x^6 + x^5 + 1
x^2 + x + 1
x^33 + x^31 + x^28 + x^25 + x^20 + x^15 + x^13 + x^12 + x^11 + x^8 + x^7 +
x^3 +
    x^2 + x + 1
x^33 + x^27 + x^24 + x^23 + x^22 + x^19 + x^18 + x^17 + x^12 + x^11 + x^10 +
x^9
    + x^8 + x^6 + x^5 + x^4 + 1
----------------------
66
52
6
x^13 + x^8 + x^7 + x^6 + x^5 + 1
x + 1
x^33 + x^26 + x^25 + x^24 + x^21 + x^18 + x^17 + x^15 + x^13 + x^9 + x^8 +
x^7 +
    x^3 + x + 1
x^33 + x^32 + x^30 + x^28 + x^26 + x^21 + x^20 + x^18 + x^17 + x^15 + x^14 +
    x^13 + x^10 + x^9 + x^8 + x^5 + x^4 + x^2 + 1
----------------------
66
54
4
x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
1
x^33 + x^32 + x^30 + x^26 + x^25 + x^23 + x^22 + x^20 + x^19 + x^17 + x^16 +
    x^14 + x^12 + x^11 + x^10 + x^9 + x^5 + x^3 + 1
x^33 + x^31 + x^30 + x^29 + x^26 + x^25 + x^24 + x^23 + x^21 + x^19 + x^17 +
```

```
    x^15 + x^13 + x^11 + x^8 + x^6 + x^5 + x^2 + 1
----------------------
66
55
4
x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x + 1
1
x^33 + x^31 + x^30 + x^28 + x^27 + x^24 + x^17 + x^16 + x^15 + x^14 + x^13 +
x^8
    + x^5 + x^4 + 1
x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^24 + x^23 + x^21 + x^19 +
    x^14 + x^13 + x^12 + x^10 + x^8 + x^5 + x^4 + 1
----------------------
66
63
2
x^3 + 1
1
x^33 + x^32 + x^28 + x^27 + x^24 + x^18 + x^16 + x^12 + x^11 + x^10 + x^9 +
x^7
    + x^5 + x^3 + 1
x^33 + x^30 + x^29 + x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^17 + x^13 +
    x^12 + x^11 + x^10 + x^7 + x^6 + x^5 + x^4 + 1
----------------------
66
64
2
x^2 + x + 1
1
x^33 + x^32 + x^30 + x^29 + x^27 + x^26 + x^25 + x^23 + x^22 + x^21 + x^20 +
    x^19 + x^18 + x^17 + x^13 + x^12 + x^11 + x^10 + x^6 + x + 1
x^33 + x^32 + x^27 + x^26 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^9 +
x^7
    + x^6 + x^5 + x^3 + x + 1
----------------------
66
65
2
x + 1
1
x^33 + x^32 + x^31 + x^29 + x^27 + x^24 + x^22 + x^16 + x^15 + x^12 + x^11 +
    x^10 + x^9 + x^7 + x^6 + x^5 + 1
x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^25 + x^24 + x^23 + x^22 +
    x^16 + x^15 + x^14 + x^12 + x^9 + x^8 + x^4 + x^3 + x^2 + 1
----------------------
68
35
12
x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 +
    x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
x^12 +
    x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^34 + x^33 + x^32 + x^31 + x^29 + x^28 + x^27 + x^26 + x^24 + x^23 + x^22 +
    x^20 + x^17 + x^15 + x^14 + x^12 + x^11 + x^8 + x^6 + x^4 + x^2 + x + 1
x^34 + x^30 + x^29 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^20 + x^18 +
    x^17 + x^16 + x^14 + x^12 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
```

```
x^3 +
    x^2 + 1
----------------------
68
26
16
x^32 + x^30 + x^28 + x^26 + x^24 + x^22 + x^20 + x^18 + x^16 + x^14 + x^12 +
    x^10 + x^8 + x^6 + x^4 + x^2 + 1
x^10 + x^9 + x^7 + x^3 + x + 1
x^34 + x^28 + x^26 + x^25 + x^23 + x^22 + x^21 + x^20 + x^17 + x^16 + x^15 +
    x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + x^2 + x + 1
x^34 + x^32 + x^31 + x^29 + x^28 + x^26 + x^24 + x^23 + x^21 + x^20 + x^19 +
    x^14 + x^13 + x^12 + x^7 + x^5 + x^4 + x + 1
----------------------
68
44
8
x^24 + x^22 + x^21 + x^18 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 +
x^9
    + x^8 + x^6 + x^3 + x^2 + 1
1
x^34 + x^30 + x^28 + x^26 + x^24 + x^22 + x^21 + x^19 + x^17 + x^16 + x^15 +
    x^13 + x^12 + x^8 + x^6 + x^4 + x^2 + x + 1
x^34 + x^33 + x^30 + x^29 + x^28 + x^26 + x^25 + x^24 + x^23 + x^22 + x^20 +
    x^18 + x^15 + x^9 + x^6 + x^5 + x^3 + x^2 + 1
----------------------
68
51
6
x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x^3 + x^2 +
x
    + 1
1
x^34 + x^32 + x^30 + x^15 + x^13 + x^11 + x^10 + x^7 + x^6 + x^5 + 1
x^34 + x^33 + x^31 + x^29 + x^28 + x^25 + x^24 + x^22 + x^21 + x^18 + x^15 +
    x^14 + x^12 + x^10 + x^9 + x^6 + 1
----------------------
68
56
4
x^10 + x^9 + x^7 + x^3 + x + 1
x^2 + 1
x^34 + x^33 + x^32 + x^31 + x^29 + x^28 + x^25 + x^21 + x^19 + x^14 + x^12 +
    x^11 + x^10 + x^9 + x^7 + x^6 + x^4 + x + 1
x^34 + x^33 + x^30 + x^28 + x^26 + x^22 + x^19 + x^17 + x^13 + x^12 + x^11 +
x^9
    + x^6 + x^4 + x^3 + x + 1
----------------------
68
57
4
x^10 + x^9 + x^7 + x^3 + x + 1
x + 1
x^34 + x^33 + x^29 + x^24 + x^20 + x^16 + x^15 + x^14 + x^11 + x^6 + x^5 +
x^4 +
    x^2 + x + 1
x^34 + x^33 + x^32 + x^30 + x^29 + x^26 + x^24 + x^22 + x^20 + x^19 + x^16 +
```

```
     x^15 + x^13 + x^12 + x^11 + x^10 + x^8 + x^7 + x^4 + x^3 + 1
-----------------------
68
58
4
x^10 + x^9 + x^7 + x^3 + x + 1
1
x^34 + x^32 + x^31 + x^29 + x^28 + x^26 + x^22 + x^21 + x^20 + x^18 + x^17 +
     x^11 + x^10 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x + 1
x^34 + x^33 + x^32 + x^27 + x^24 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 +
     x^13 + x^10 + x^7 + x^4 + x^3 + x^2 + x + 1
-----------------------
68
66
2
x^2 + 1
1
x^34 + x^32 + x^31 + x^27 + x^24 + x^23 + x^19 + x^18 + x^17 + x^16 + x^15 +
     x^14 + x^12 + x^11 + x^9 + x^8 + x^7 + x^5 + x^3 + x + 1
x^34 + x^33 + x^32 + x^30 + x^29 + x^28 + x^21 + x^19 + x^16 + x^14 + x^11 +
     x^10 + x^9 + x^7 + x^5 + x^4 + x^3 + x + 1
-----------------------
68
67
2
x + 1
1
x^34 + x^28 + x^26 + x^25 + x^18 + x^14 + x^13 + x^5 + x^2 + x + 1
x^34 + x^32 + x^30 + x^28 + x^22 + x^21 + x^15 + x^14 + x^11 + x^10 + x^9 +
x^6
     + x^4 + x + 1
-----------------------
70
22
20
x^32 + x^30 + x^29 + x^28 + x^25 + x^23 + x^22 + x^21 + x^18 + x^16 + x^15 +
     x^14 + x^11 + x^9 + x^8 + x^7 + x^4 + x^2 + x + 1
x^16 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^4 + x^2 + 1
x^35 + x^33 + x^32 + x^30 + x^29 + x^27 + x^23 + x^20 + x^17 + x^15 + x^14 +
     x^13 + x^10 + x^8 + x^7 + x^5 + x^3 + x^2 + 1
x^35 + x^34 + x^28 + x^27 + x^24 + x^18 + x^16 + x^15 + x^13 + x^12 + x^11 +
     x^10 + x^8 + x^7 + x^5 + x^3 + 1
-----------------------
70
28
16
x^32 + x^30 + x^29 + x^28 + x^25 + x^23 + x^22 + x^21 + x^18 + x^16 + x^15 +
     x^14 + x^11 + x^9 + x^8 + x^7 + x^4 + x^2 + x + 1
x^10 + x^8 + x^6 + x^5 + x^4 + x^2 + 1
x^35 + x^34 + x^33 + x^29 + x^27 + x^23 + x^22 + x^20 + x^19 + x^17 + x^16 +
     x^15 + x^13 + x^11 + x^9 + x^7 + x^6 + x^2 + 1
x^35 + x^34 + x^32 + x^31 + x^27 + x^26 + x^24 + x^23 + x^21 + x^20 + x^18 +
     x^16 + x^15 + x^14 + x^13 + x^12 + x^3 + x + 1
-----------------------
70
37
12
```

```
x^32 + x^30 + x^29 + x^28 + x^25 + x^23 + x^22 + x^21 + x^18 + x^16 + x^15 +
    x^14 + x^11 + x^9 + x^8 + x^7 + x^4 + x^2 + x + 1
x + 1
x^35 + x^34 + x^33 + x^31 + x^29 + x^26 + x^25 + x^21 + x^20 + x^16 + x^15 +
    x^14 + x^13 + x^12 + x^7 + x^6 + 1
x^35 + x^34 + x^31 + x^30 + x^28 + x^24 + x^20 + x^19 + x^18 + x^12 + x^11 +
x^6
    + x^5 + x^4 + x^3 + x^2 + 1
-----------------------
70
42
10
x^28 + x^27 + x^26 + x^22 + x^20 + x^19 + x^17 + x^16 + x^15 + x^13 + x^11 +
    x^10 + x^9 + x^8 + x^7 + x^4 + x^3 + 1
1
x^35 + x^34 + x^33 + x^31 + x^30 + x^25 + x^24 + x^23 + x^22 + x^17 + x^15 +
    x^14 + x^13 + x^10 + x^9 + x^8 + x^6 + x^3 + x^2 + x + 1
x^35 + x^32 + x^31 + x^30 + x^29 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 +
    x^20 + x^19 + x^18 + x^15 + x^13 + x^11 + x^8 + x^7 + x^4 + 1
-----------------------
70
46
8
x^23 + x^21 + x^20 + x^18 + x^16 + x^15 + x^13 + x^11 + x^10 + x^3 + x + 1
x + 1
x^35 + x^34 + x^33 + x^31 + x^25 + x^24 + x^23 + x^22 + x^21 + x^19 + x^16 +
    x^15 + x^14 + x^13 + x^12 + x^10 + x^8 + x^7 + x^5 + x^2 + 1
x^35 + x^33 + x^30 + x^27 + x^25 + x^24 + x^20 + x^17 + x^16 + x^15 + x^14 +
    x^13 + x^12 + x^11 + x^7 + x^4 + x^2 + x + 1
-----------------------
70
47
8
x^23 + x^21 + x^20 + x^18 + x^16 + x^15 + x^13 + x^11 + x^10 + x^3 + x + 1
1
x^35 + x^33 + x^31 + x^29 + x^27 + x^26 + x^25 + x^19 + x^15 + x^14 + x^12 +
    x^11 + x^10 + x^9 + x^8 + x^6 + 1
x^35 + x^34 + x^28 + x^27 + x^26 + x^25 + x^21 + x^19 + x^18 + x^16 + x^12 +
    x^11 + x^2 + x + 1
-----------------------
70
49
8
x^20 + x^19 + x^16 + x^12 + x^11 + x^9 + x^8 + x^6 + x^3 + x^2 + x + 1
x + 1
x^35 + x^31 + x^29 + x^26 + x^24 + x^23 + x^18 + x^17 + x^16 + x^14 + x^11 +
x^9
    + x^8 + x^6 + 1
x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^27 + x^25 + x^23 + x^21 + x^20 +
    x^19 + x^15 + x^13 + x^9 + x^5 + x^3 + x + 1
-----------------------
70
52
6
x^18 + x^16 + x^15 + x^8 + x^6 + x^5 + x^3 + x + 1
1
x^35 + x^34 + x^33 + x^26 + x^24 + x^23 + x^21 + x^20 + x^19 + x^18 + x^16 +
```

```
    x^15 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + x^3 + 1
x^35 + x^32 + x^27 + x^22 + x^21 + x^20 + x^17 + x^15 + x^13 + x^9 + x^6 +
x^2 +
    1
-----------------------
70
53
6
x^16 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^4 + x^2 + 1
x + 1
x^35 + x^32 + x^30 + x^27 + x^25 + x^23 + x^21 + x^17 + x^16 + x^12 + x^8 +
x^4
    + x^3 + x + 1
x^35 + x^34 + x^33 + x^30 + x^26 + x^25 + x^20 + x^18 + x^13 + x^9 + x^8 +
x^6 +
    x^2 + x + 1
-----------------------
70
54
6
x^16 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^4 + x^2 + 1
1
x^35 + x^34 + x^30 + x^27 + x^26 + x^24 + x^20 + x^19 + x^18 + x^17 + x^16 +
    x^11 + x^10 + x^9 + x^5 + x^3 + 1
x^35 + x^34 + x^32 + x^31 + x^30 + x^29 + x^27 + x^25 + x^23 + x^19 + x^16 +
    x^15 + x^12 + x^11 + x^9 + x^6 + x^4 + x^2 + 1
-----------------------
70
58
4
x^11 + x^10 + x^9 + x^8 + x^7 + x^4 + x^3 + x^2 + x + 1
x + 1
x^35 + x^33 + x^32 + x^31 + x^30 + x^29 + x^27 + x^26 + x^25 + x^23 + x^15 +
    x^13 + x^10 + x^9 + x^2 + x + 1
x^35 + x^33 + x^32 + x^31 + x^27 + x^24 + x^23 + x^20 + x^19 + x^17 + x^16 +
    x^15 + x^14 + x^13 + x^10 + x^9 + x^7 + x^3 + 1
-----------------------
70
59
4
x^11 + x^10 + x^9 + x^8 + x^7 + x^4 + x^3 + x^2 + x + 1
1
x^35 + x^33 + x^32 + x^31 + x^30 + x^29 + x^24 + x^22 + x^21 + x^19 + x^14 +
    x^13 + x^11 + x^9 + x^7 + x^5 + x^2 + x + 1
x^35 + x^34 + x^33 + x^30 + x^28 + x^18 + x^17 + x^16 + x^14 + x^13 + x^12 +
    x^11 + x^9 + x^8 + x^6 + x^5 + x^4 + x^3 + 1
-----------------------
70
60
4
x^10 + x^8 + x^6 + x^5 + x^4 + x^2 + 1
1
x^35 + x^34 + x^33 + x^32 + x^31 + x^29 + x^27 + x^24 + x^22 + x^21 + x^20 +
    x^19 + x^17 + x^11 + x^8 + x^5 + x^3 + x + 1
x^35 + x^34 + x^33 + x^32 + x^29 + x^28 + x^26 + x^23 + x^22 + x^21 + x^20 +
    x^19 + x^18 + x^15 + x^14 + x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3 +
x^2
```

```
    + x + 1
-----------------------
70
61
4
x^8 + x^7 + x^5 + x^3 + x^2 + 1
x + 1
x^35 + x^33 + x^32 + x^30 + x^29 + x^21 + x^20 + x^17 + x^16 + x^13 + x^12 +
x^7
    + x^6 + x^4 + x^2 + x + 1
x^35 + x^33 + x^32 + x^31 + x^30 + x^28 + x^27 + x^26 + x^25 + x^22 + x^21 +
    x^16 + x^12 + x^7 + x^6 + x^5 + x^3 + x + 1
-----------------------
70
62
4
x^8 + x^7 + x^5 + x^3 + x^2 + 1
1
x^35 + x^32 + x^28 + x^27 + x^26 + x^20 + x^19 + x^15 + x^14 + x^13 + x^12 +
    x^11 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^35 + x^33 + x^30 + x^26 + x^25 + x^24 + x^22 + x^20 + x^17 + x^13 + x^7 +
x^6
    + x^5 + x^4 + x^3 + x + 1
-----------------------
70
63
3
x^7 + x^4 + x^3 + x + 1
1
x^35 + x^33 + x^31 + x^30 + x^29 + x^28 + x^27 + x^23 + x^22 + x^21 + x^20 +
    x^17 + x^16 + x^13 + x^12 + x^11 + x^10 + x^6 + x^4 + x + 1
x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^27 + x^22 + x^20 + x^19 + x^18 +
    x^16 + x^12 + x^11 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x^2 + x + 1
-----------------------
70
64
2
x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^35 + x^33 + x^32 + x^30 + x^28 + x^27 + x^26 + x^24 + x^21 + x^20 + x^19 +
    x^16 + x^14 + x^12 + x^10 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
x^35 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^22 + x^16 + x^14 +
    x^12 + x^11 + x^10 + x^8 + x^4 + x^3 + x^2 + 1
-----------------------
70
65
2
x^5 + 1
1
x^35 + x^34 + x^33 + x^30 + x^29 + x^28 + x^23 + x^21 + x^16 + x^15 + x^14 +
    x^11 + x^10 + x^9 + x^8 + x^5 + x^2 + x + 1
x^35 + x^34 + x^33 + x^29 + x^28 + x^27 + x^25 + x^22 + x^21 + x^20 + x^18 +
    x^17 + x^16 + x^10 + x^9 + x^6 + x^5 + x^3 + 1
-----------------------
70
66
2
```

```
x^4 + x^3 + x^2 + x + 1
1
x^35 + x^34 + x^30 + x^27 + x^26 + x^24 + x^23 + x^22 + x^20 + x^19 + x^16 +
    x^13 + x^12 + x^11 + x^9 + x^8 + x^6 + x^5 + x^3 + x + 1
x^35 + x^33 + x^30 + x^29 + x^24 + x^22 + x^20 + x^17 + x^15 + x^13 + x^12 +
    x^10 + x^7 + x^6 + x^3 + x^2 + 1
-----------------------
70
67
2
x^3 + x + 1
1
x^35 + x^33 + x^31 + x^29 + x^28 + x^25 + x^21 + x^20 + x^19 + x^17 + x^16 +
    x^13 + x^10 + x^9 + x^7 + x^5 + x^4 + x^3 + x^2 + x + 1
x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^19 +
    x^17 + x^12 + x^11 + x^8 + x^4 + 1
-----------------------
70
69
2
x + 1
1
x^35 + x^34 + x^33 + x^31 + x^30 + x^29 + x^28 + x^26 + x^22 + x^21 + x^20 +
    x^17 + x^16 + x^15 + x^14 + x^12 + x^11 + x^7 + x^6 + x^5 + 1
x^35 + x^34 + x^33 + x^32 + x^31 + x^29 + x^28 + x^24 + x^23 + x^21 + x^18 +
    x^14 + x^13 + x^6 + x^5 + x^4 + x^3 + x + 1
-----------------------
72
29
16
x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 +
    x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
x^14 +
    x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
+
    x + 1
x^8 + x^4 + 1
x^36 + x^35 + x^32 + x^29 + x^27 + x^25 + x^21 + x^20 + x^13 + x^12 + x^10 +
x^7
    + x^6 + x^4 + x^2 + x + 1
x^36 + x^35 + x^31 + x^30 + x^26 + x^20 + x^18 + x^17 + x^13 + x^11 + x^10 +
x^7
    + x^6 + x^5 + x^4 + x + 1
-----------------------
72
30
16
x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
    x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x
+
    1
x^8 + x^4 + 1
x^36 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^25 + x^21 + x^17 +
    x^15 + x^14 + x^13 + x^10 + x^7 + x^5 + x^3 + 1
x^36 + x^35 + x^25 + x^24 + x^19 + x^18 + x^17 + x^16 + x^15 + x^13 + x^12 +
x^9
    + x^8 + x^7 + x^3 + x + 1
```

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----------------------
72
38
12
x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
    x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x
+
    1
1
x^36 + x^35 + x^33 + x^32 + x^31 + x^30 + x^29 + x^27 + x^25 + x^24 + x^21 +
    x^20 + x^19 + x^17 + x^15 + x^14 + x^11 + x^10 + x^8 + x^2 + 1
x^36 + x^30 + x^28 + x^27 + x^26 + x^24 + x^23 + x^22 + x^21 + x^17 + x^15 +
    x^14 + x^10 + x^6 + x^5 + x^4 + 1
----------------------
72
39
12
x^33 + x^32 + x^29 + x^28 + x^25 + x^24 + x^21 + x^20 + x^17 + x^16 + x^13 +
    x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
1
x^36 + x^34 + x^32 + x^31 + x^28 + x^27 + x^25 + x^23 + x^22 + x^18 + x^15 +
    x^14 + x^13 + x^12 + x^11 + x^9 + 1
x^36 + x^35 + x^32 + x^31 + x^30 + x^28 + x^26 + x^25 + x^23 + x^20 + x^19 +
    x^16 + x^12 + x^11 + x^10 + x^2 + 1
----------------------
72
29
16
x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 +
    x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
x^14 +
    x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
+
    x + 1
x^8 + x^4 + 1
x^36 + x^35 + x^32 + x^29 + x^27 + x^25 + x^21 + x^20 + x^13 + x^12 + x^10 +
x^7
    + x^6 + x^4 + x^2 + x + 1
x^36 + x^35 + x^31 + x^30 + x^26 + x^20 + x^18 + x^17 + x^13 + x^11 + x^10 +
x^7
    + x^6 + x^5 + x^4 + x + 1
----------------------
72
30
16
x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
    x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x
+
    1
x^8 + x^4 + 1
x^36 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^25 + x^21 + x^17 +
    x^15 + x^14 + x^13 + x^10 + x^7 + x^5 + x^3 + 1
x^36 + x^35 + x^25 + x^24 + x^19 + x^18 + x^17 + x^16 + x^15 + x^13 + x^12 +
x^9
    + x^8 + x^7 + x^3 + x + 1
----------------------
72
```

38
12
x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
    x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x
+
    1
1
x^36 + x^35 + x^33 + x^32 + x^31 + x^30 + x^29 + x^27 + x^25 + x^24 + x^21 +
    x^20 + x^19 + x^17 + x^15 + x^14 + x^11 + x^10 + x^8 + x^2 + 1
x^36 + x^30 + x^28 + x^27 + x^26 + x^24 + x^23 + x^22 + x^21 + x^17 + x^15 +
    x^14 + x^10 + x^6 + x^5 + x^4 + 1

72
39
12
x^33 + x^32 + x^29 + x^28 + x^25 + x^24 + x^21 + x^20 + x^17 + x^16 + x^13 +
    x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
1
x^36 + x^34 + x^32 + x^31 + x^28 + x^27 + x^25 + x^23 + x^22 + x^18 + x^15 +
    x^14 + x^13 + x^12 + x^11 + x^9 + 1
x^36 + x^35 + x^32 + x^31 + x^30 + x^28 + x^26 + x^25 + x^23 + x^20 + x^19 +
    x^16 + x^12 + x^11 + x^10 + x^2 + 1

72
48
8
x^24 + x^23 + x^22 + x^21 + x^18 + x^17 + x^16 + x^14 + x^13 + x^11 + x^10 +
x^8
    + x^7 + x^6 + x^3 + x^2 + x + 1
1
x^36 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^25 + x^22 + x^18 +
    x^17 + x^16 + x^15 + x^13 + x^11 + x^8 + x^7 + x^5 + x^4 + x^2 + x + 1
x^36 + x^31 + x^22 + x^21 + x^20 + x^17 + x^15 + x^14 + x^12 + x^8 + x^6 +
x^4 +
    1

72
60
4
x^12 + x^11 + x^8 + x^7 + x^6 + x^5 + x^4 + x + 1
1
x^36 + x^35 + x^34 + x^31 + x^30 + x^28 + x^27 + x^26 + x^20 + x^19 + x^17 +
    x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + x + 1
x^36 + x^33 + x^29 + x^27 + x^25 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^15 + x^14 + x^12 + x^10 + x^6 + x^3 + x^2 + 1

72
61
4
x^11 + x^9 + x^2 + 1
1
x^36 + x^34 + x^33 + x^32 + x^30 + x^28 + x^24 + x^22 + x^19 + x^13 + x^12 +
    x^10 + x^9 + x^7 + x^3 + x^2 + 1
x^36 + x^35 + x^34 + x^30 + x^28 + x^26 + x^25 + x^23 + x^22 + x^20 + x^18 +
    x^16 + x^12 + x^11 + x^9 + x^7 + x^4 + x + 1

72

62
4
x^10 + x^7 + x^6 + x^4 + x^3 + 1
1
x^36 + x^33 + x^31 + x^30 + x^28 + x^27 + x^26 + x^24 + x^17 + x^14 + x^12 +
    x^11 + x^10 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + x + 1
x^36 + x^35 + x^34 + x^32 + x^29 + x^28 + x^27 + x^26 + x^24 + x^22 + x^21 +
    x^20 + x^18 + x^16 + x^15 + x^13 + x^11 + x^10 + x^9 + x^5 + 1

72
63
4
x^9 + x^8 + x^7 + x^5 + x^4 + x^2 + x + 1
1
x^36 + x^34 + x^33 + x^28 + x^25 + x^23 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^13 + x^12 + x^11 + x^10 + x^4 + 1
x^36 + x^34 + x^32 + x^31 + x^27 + x^26 + x^25 + x^24 + x^22 + x^17 + x^14 +
    x^10 + x^9 + x^6 + x^3 + x + 1

72
66
2
x^6 + x^5 + x^3 + x + 1
1
x^36 + x^34 + x^32 + x^30 + x^28 + x^26 + x^24 + x^20 + x^17 + x^16 + x^15 +
    x^12 + x^9 + x^7 + x^6 + x^4 + x^2 + x + 1
x^36 + x^35 + x^34 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^23 + x^21 +
    x^20 + x^18 + x^17 + x^16 + x^15 + x^12 + x^11 + x^10 + x^7 + x^6 + x^5 +
    x^4 + x^2 + 1

72
67
2
x^5 + x^4 + x^3 + x^2 + x + 1
1
x^36 + x^35 + x^34 + x^33 + x^31 + x^29 + x^28 + x^27 + x^26 + x^23 + x^22 +
    x^20 + x^18 + x^15 + x^14 + x^11 + x^8 + x^4 + x^3 + x + 1
x^36 + x^34 + x^32 + x^31 + x^29 + x^27 + x^26 + x^25 + x^23 + x^22 + x^20 +
    x^13 + x^11 + x^9 + x^7 + x^2 + 1

72
68
2
x^4 + 1
1
x^36 + x^34 + x^33 + x^25 + x^24 + x^22 + x^19 + x^18 + x^16 + x^15 + x^10 +
x^6
    + x^5 + x^4 + x^3 + x^2 + 1
x^36 + x^35 + x^33 + x^32 + x^31 + x^27 + x^25 + x^21 + x^19 + x^13 + x^12 +
    x^10 + x^9 + x^6 + x^5 + x + 1

72
69
2
x^3 + x^2 + x + 1
1
x^36 + x^32 + x^31 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^21 +

76
38
14
x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 +
x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
    x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9
+ x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x +
    1
x + 1
x^38 + x^37 + x^35 + x^34 + x^33 + x^32 + x^31 + x^29 + x^23 + x^21 + x^18 +
x^17 + x^14 + x^12 + x^8 + x^5 + x^4 + x^3 + 1
x^38 + x^35 + x^33 + x^30 + x^22 + x^20 + x^19 + x^12 + x^11 + x^10 + x^6 +
x^2 + 1

1
x^38 + x^37 + x^34 + x^33 + x^32 + x^29 + x^28 + x^26 + x^22 + x^21 + x^20 +
    x^10 + x^7 + x^6 + x^5 + x^4 + x^3 + x + 1
x^38 + x^36 + x^34 + x^33 + x^32 + x^29 + x^25 + x^23 + x^21 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 +
    x^6 + x^4 + x^3 + x + 1

76
74
2
x^2 + 1
1
x^38 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^28 + x^27 + x^25 + x^24 +
    x^23 + x^20 + x^19 + x^18 + x^17 + x^14 + x^9 + x^8 + x^7 + x^5 + x^2 + 1
x^38 + x^36 + x^35 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^23 + x^22 +
    x^20 + x^19 + x^16 + x^15 + x^14 + x^12 + x^10 + x^9 + x^8 + x^7 + x^4 +
x^3
    + x^2 + 1

76
75
2
x + 1
1
x^38 + x^37 + x^36 + x^35 + x^32 + x^30 + x^29 + x^28 + x^23 + x^21 + x^18 +
    x^15 + x^12 + x^10 + x^8 + x^7 + x^3 + x^2 + 1
x^38 + x^36 + x^30 + x^25 + x^24 + x^23 + x^22 + x^20 + x^16 + x^14 + x^12 +
    x^11 + x^10 + x^9 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1

78
14
30
x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 +
    x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 +
x^17 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^5
    + x^4 + x^3 + x^2 + x + 1
x^26 + x^25 + x^23 + x^22 + x^19 + x^18 + x^16 + x^15 + x^14 + x^13 + x^11 +
x^8
    + x^7 + x^4 + 1
x^39 + x^36 + x^34 + x^32 + x^31 + x^29 + x^23 + x^22 + x^19 + x^18 + x^13 +
    x^10 + x^8 + x^6 + x^3 + x^2 + 1
x^39 + x^38 + x^37 + x^35 + x^31 + x^30 + x^28 + x^25 + x^21 + x^19 + x^16 +
    x^12 + x^11 + x^10 + x^6 + x^4 + x^3 + x^2 + 1

78
41
12
x^37 + x^36 + x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 +
    x^21 + x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 +
    x^4 + x^3 + x + 1
1
x^39 + x^38 + x^36 + x^33 + x^31 + x^28 + x^24 + x^21 + x^20 + x^13 + x^11 +
    x^10 + x^9 + x^7 + x^5 + x^3 + x^2 + x + 1
x^39 + x^37 + x^36 + x^35 + x^34 + x^33 + x^31 + x^25 + x^24 + x^23 + x^22 +
    x^21 + x^17 + x^15 + x^14 + x^12 + x^9 + x^6 + x^5 + x^4 + x^3 + x^2 + 1

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78
42
12
x^36 + x^33 + x^30 + x^27 + x^24 + x^21 + x^18 + x^15 + x^12 + x^9 + x^6 +
x^3 +
    1
1
x^39 + x^38 + x^36 + x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^19 + x^18 +
    x^15 + x^13 + x^7 + x^5 + x^2 + 1
x^39 + x^38 + x^36 + x^35 + x^34 + x^33 + x^30 + x^29 + x^25 + x^24 + x^22 +
    x^21 + x^20 + x^19 + x^16 + x^11 + x^10 + x^9 + x^6 + x^5 + 1
----------------------
78
48
10
x^27 + x^25 + x^24 + x^22 + x^20 + x^18 + x^17 + x^13 + x^12 + x^11 + x^9 +
x^7
    + x^5 + x^4 + x + 1
x^3 + 1
x^39 + x^35 + x^34 + x^33 + x^31 + x^30 + x^29 + x^28 + x^26 + x^24 + x^23 +
    x^22 + x^21 + x^20 + x^17 + x^16 + x^12 + x^11 + x^10 + x^8 + x^4 + x^3 +
    x^2 + x + 1
x^39 + x^38 + x^37 + x^36 + x^34 + x^32 + x^30 + x^28 + x^25 + x^22 + x^21 +
    x^18 + x^16 + x^13 + x^10 + x^9 + x^5 + x^2 + 1
----------------------
78
49
10
x^27 + x^25 + x^24 + x^22 + x^20 + x^18 + x^17 + x^13 + x^12 + x^11 + x^9 +
x^7
    + x^5 + x^4 + x + 1
x^2 + x + 1
x^39 + x^38 + x^36 + x^35 + x^34 + x^33 + x^31 + x^29 + x^28 + x^27 + x^25 +
    x^24 + x^20 + x^19 + x^18 + x^17 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 +
    x^4 + x^3 + x^2 + x + 1
x^39 + x^37 + x^34 + x^33 + x^31 + x^30 + x^26 + x^25 + x^23 + x^19 + x^18 +
    x^16 + x^14 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
----------------------
78
52
8
x^26 + x^25 + x^23 + x^22 + x^19 + x^18 + x^16 + x^15 + x^14 + x^13 + x^11 +
x^8
    + x^7 + x^4 + 1
1
x^39 + x^33 + x^31 + x^29 + x^27 + x^26 + x^25 + x^21 + x^18 + x^17 + x^16 +
    x^14 + x^12 + x^11 + x^9 + x^7 + x^5 + x^4 + x^2 + x + 1
x^39 + x^37 + x^36 + x^35 + x^32 + x^31 + x^30 + x^26 + x^25 + x^22 + x^20 +
    x^18 + x^16 + x^14 + x^11 + x^9 + x^7 + x^6 + x^4 + x^3 + x^2 + x + 1
----------------------
78
53
8
x^25 + x^23 + x^22 + x^21 + x^20 + x^16 + x^15 + x^14 + x^13 + x^12 + x^10 +
x^9
    + x^8 + x^7 + x^3 + x^2 + x + 1
```

```
1
x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^31 + x^28 + x^26 + x^25 + x^23 +
    x^21 + x^20 + x^18 + x^17 + x^16 + x^14 + x^12 + x^11 + x^10 + x^9 + x^6
+
    x^3 + x + 1
x^39 + x^38 + x^37 + x^28 + x^25 + x^24 + x^22 + x^21 + x^20 + x^19 + x^10 +
x^7
    + x^6 + x + 1
----------------------
78
54
8
x^24 + x^22 + x^17 + x^15 + x^12 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
1
x^39 + x^37 + x^36 + x^34 + x^31 + x^28 + x^26 + x^24 + x^22 + x^20 + x^19 +
    x^17 + x^14 + x^13 + x^12 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
+
    x + 1
x^39 + x^38 + x^36 + x^35 + x^34 + x^30 + x^26 + x^22 + x^21 + x^19 + x^18 +
    x^16 + x^14 + x^4 + 1
----------------------
78
60
6
x^15 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^3 + 1
x^39 + x^38 + x^36 + x^35 + x^32 + x^30 + x^29 + x^27 + x^25 + x^22 + x^21 +
    x^20 + x^19 + x^18 + x^17 + x^15 + x^13 + x^10 + x^9 + x^7 + x^6 + x^5 +
x^4
    + x^2 + 1
x^39 + x^38 + x^37 + x^36 + x^28 + x^27 + x^23 + x^22 + x^18 + x^17 + x^11 +
    x^10 + x^9 + x^8 + 1
----------------------
78
61
6
x^15 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^2 + x + 1
x^39 + x^38 + x^37 + x^34 + x^30 + x^29 + x^28 + x^26 + x^22 + x^20 + x^17 +
    x^16 + x^13 + x^12 + x^7 + x^5 + x^4 + x^2 + 1
x^39 + x^33 + x^31 + x^30 + x^28 + x^26 + x^25 + x^20 + x^19 + x^18 + x^15 +
    x^14 + x^13 + x^12 + x^11 + x^9 + x^8 + x^7 + x^6 + x^3 + x^2 + x + 1
----------------------
78
62
6
x^15 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x + 1
x^39 + x^38 + x^33 + x^30 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
    x^18 + x^17 + x^16 + x^11 + x^10 + x^9 + x^8 + x^5 + x^2 + 1
x^39 + x^36 + x^35 + x^31 + x^30 + x^28 + x^25 + x^24 + x^20 + x^19 + x^17 +
    x^16 + x^15 + x^12 + x^11 + x^9 + x^6 + x^5 + x^3 + x^2 + 1
----------------------
78
63
6
x^15 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
```

1

x^39 + x^36 + x^34 + x^32 + x^28 + x^27 + x^26 + x^24 + x^23 + x^21 + x^18 +
    x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^8 + x^5 + x^4 + x^2 + x + 1

x^39 + x^34 + x^31 + x^30 + x^29 + x^28 + x^27 + x^25 + x^21 + x^18 + x^16 +
    x^15 + x^13 + x^12 + x^11 + x^10 + x^9 + x^6 + x^3 + x + 1

78

75

2

x^3 + 1

1

x^39 + x^38 + x^37 + x^33 + x^32 + x^31 + x^30 + x^29 + x^27 + x^26 + x^23 +
    x^19 + x^17 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^7 + x^6 + x^5 +
x^4
    + x^2 + 1

x^39 + x^33 + x^31 + x^27 + x^24 + x^22 + x^21 + x^20 + x^18 + x^17 + x^16 +
    x^15 + x^14 + x^13 + x^10 + x^4 + x^2 + x + 1

78

76

2

x^2 + x + 1

1

x^39 + x^38 + x^36 + x^35 + x^33 + x^32 + x^30 + x^29 + x^26 + x^24 + x^23 +
    x^21 + x^20 + x^16 + x^11 + x^10 + x^7 + x^5 + x^3 + x^2 + 1

x^39 + x^38 + x^37 + x^36 + x^30 + x^29 + x^27 + x^24 + x^23 + x^22 + x^20 +
    x^16 + x^15 + x^14 + x^11 + x^6 + 1

78

77

2

x + 1

1

x^39 + x^36 + x^35 + x^34 + x^33 + x^32 + x^30 + x^29 + x^28 + x^21 + x^20 +
    x^18 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^6 + x^4 + x^3 + x + 1

x^39 + x^36 + x^34 + x^33 + x^32 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 +
    x^21 + x^20 + x^16 + x^13 + x^9 + x^8 + x^7 + x^6 + x^5 + 1

80

41

14

x^38 + x^36 + x^34 + x^32 + x^30 + x^28 + x^26 + x^24 + x^22 + x^20 + x^18 +
    x^16 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1

x + 1

x^40 + x^38 + x^37 + x^33 + x^30 + x^28 + x^27 + x^23 + x^21 + x^20 + x^18 +
    x^17 + x^10 + x^9 + x^5 + x^4 + x^2 + x + 1

x^40 + x^37 + x^35 + x^34 + x^33 + x^32 + x^31 + x^28 + x^27 + x^24 + x^21 +
    x^18 + x^16 + x^13 + x^12 + x^8 + x^7 + x^6 + x^5 + x^2 + 1

80

43

12

x^37 + x^36 + x^33 + x^32 + x^29 + x^28 + x^25 + x^24 + x^21 + x^20 + x^17 +
    x^16 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1

1

x^40 + x^39 + x^38 + x^35 + x^34 + x^32 + x^30 + x^28 + x^26 + x^25 + x^24 +
    x^23 + x^22 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^6 + x^4 + x^3 +

```
1
x^40 + x^37 + x^36 + x^35 + x^34 + x^32 + x^28 + x^27 + x^25 + x^24 + x^22 +
    x^20 + x^19 + x^18 + x^14 + x^11 + x^10 + x^8 + x^5 + x^3 + 1
-----------------------
80
44
12
x^36 + x^35 + x^31 + x^30 + x^26 + x^25 + x^21 + x^20 + x^16 + x^15 + x^11 +
    x^10 + x^6 + x^5 + x + 1
1
x^40 + x^38 + x^36 + x^35 + x^33 + x^31 + x^29 + x^26 + x^25 + x^22 + x^21 +
    x^20 + x^19 + x^17 + x^15 + x^14 + x^13 + x^11 + x^9 + x^7 + x^6 + x^5 +
x^2
    + x + 1
x^40 + x^37 + x^35 + x^34 + x^30 + x^28 + x^27 + x^26 + x^25 + x^22 + x^20 +
    x^19 + x^18 + x^17 + x^15 + x^14 + x^11 + x^8 + x^7 + x^5 + x^4 + x^3 + 1
-----------------------

80
68
4
x^12 + x^11 + x^10 + x^9 + x^8 + x^4 + x^3 + x^2 + x + 1
1
x^40 + x^38 + x^37 + x^36 + x^35 + x^31 + x^30 + x^29 + x^26 + x^25 + x^20 +
x^15 + x^13 + x^8 + x^7 + x + 1
x^40 + x^39 + x^38 + x^34 + x^32 + x^28 + x^27 + x^26 + x^24 + x^22 + x^21 +
x^15 + x^14 + x^11 + x^9 + x^8 + x^6 + x^4 + x^3
    + x^2 + 1
-----------------------
80
69
4
x^11 + x^9 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
1
x^40 + x^39 + x^38 + x^35 + x^34 + x^31 + x^30 + x^29 + x^28 + x^23 + x^21 +
x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
    x^10 + x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + x + 1
x^40 + x^39 + x^38 + x^36 + x^32 + x^30 + x^27 + x^26 + x^24 + x^22 + x^21 +
x^20 + x^19 + x^18 + x^16 + x^14 + x^12 + x^11 +
    x^4 + x + 1
-----------------------
80
70
4
x^10 + x^9 + x^6 + x^4 + x + 1
1
x^40 + x^38 + x^34 + x^33 + x^30 + x^29 + x^24 + x^19 + x^18 + x^17 + x^16 +
x^14 + x^12 + x^8 + x^6 + x^4 + x^3 + x + 1
x^40 + x^38 + x^37 + x^36 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^24 +
x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 +
    x^16 + x^15 + x^14 + x^13 + x^11 + x^10 + x^9 + x^6 + 1
-----------------------
80
71
4
x^9 + x^5 + x^4 + 1
1
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x^40 + x^36 + x^33 + x^27 + x^26 + x^25 + x^24 + x^21 + x^20 + x^19 + x^18 +
x^17 + x^16 + x^15 + x^11 + x^10 + x^9 + x^7 +
    x^6 + x^4 + x^3 + x + 1
x^40 + x^39 + x^32 + x^31 + x^28 + x^24 + x^23 + x^22 + x^20 + x^19 + x^14 +
x^13 + x^11 + x^10 + x^9 + x^7 + x^6 + x^5 + x^4
    + x^3 + x^2 + x + 1
-----------------------
80
74
2
x^6 + x^4 + x^2 + 1
1
x^40 + x^38 + x^34 + x^33 + x^32 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 +
x^22 + x^18 + x^14 + x^13 + x^11 + x^7 + x^5 +
    x^4 + x^3 + x^2 + x + 1
x^40 + x^39 + x^38 + x^35 + x^34 + x^32 + x^31 + x^30 + x^29 + x^28 + x^25 +
x^24 + x^22 + x^21 + x^20 + x^19 + x^18 + x^15 +
    x^10 + x^9 + x^8 + x^5 + x^3 + x^2 + 1
-----------------------
80
75
2
x^5 + x^4 + x + 1
1
x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^32 + x^28 + x^26 + x^25 +
x^24 + x^23 + x^20 + x^18 + x^17 + x^15 + x^12 +
    x^11 + x^10 + x^8 + x^3 + x^2 + x + 1
x^40 + x^39 + x^38 + x^36 + x^35 + x^33 + x^31 + x^27 + x^25 + x^24 + x^21 +
x^20 + x^18 + x^16 + x^15 + x^14 + x^13 + x^12 +
    x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
-----------------------
80
76
2
x^4 + 1
1
x^40 + x^39 + x^38 + x^36 + x^35 + x^34 + x^30 + x^26 + x^25 + x^24 + x^23 +
x^22 + x^21 + x^17 + x^16 + x^15 + x^11 + x^10 +
    x^8 + x^7 + x^3 + x + 1
x^40 + x^37 + x^34 + x^33 + x^32 + x^28 + x^27 + x^26 + x^22 + x^21 + x^20 +
x^19 + x^17 + x^15 + x^14 + x^12 + x^10 + x^7 +
    x^6 + x^4 + x^2 + x + 1
-----------------------
80
77
2
x^3 + x^2 + x + 1
1
x^40 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^26 + x^24 + x^23 + x^22 +
x^20 + x^19 + x^18 + x^17 + x^12 + x^6 + x^3 +
    x^2 + x + 1
x^40 + x^39 + x^36 + x^33 + x^31 + x^30 + x^28 + x^25 + x^21 + x^20 + x^19 +
x^18 + x^17 + x^14 + x^13 + x^12 + x^9 + x^8 + 1
-----------------------
80
78
2
```

x^2 + 1
1
x^40 + x^39 + x^37 + x^36 + x^33 + x^32 + x^31 + x^28 + x^27 + x^25 + x^24 +
x^22 + x^16 + x^15 + x^14 + x^13 + x^9 + x^6 +
    x^5 + x^4 + x^3 + x + 1
x^40 + x^38 + x^36 + x^35 + x^33 + x^32 + x^31 + x^29 + x^28 + x^27 + x^23 +
x^21 + x^20 + x^19 + x^17 + x^12 + x^8 + x^6 +
    x^5 + x^3 + x^2 + x + 1

80
79
2
x + 1
1
x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^32 + x^31 + x^27 + x^26 +
x^25 + x^21 + x^19 + x^18 + x^17 + x^16 + x^14 +
    x^13 + x^12 + x^11 + x^9 + x^4 + x^3 + x^2 + x + 1
x^40 + x^38 + x^36 + x^35 + x^33 + x^31 + x^30 + x^29 + x^24 + x^22 + x^20 +
x^19 + x^18 + x^17 + x^16 + x^15 + x^10 + x^9 +
    x^7 + x^6 + x^5 + x^2 + 1

82
21
25
x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 +
    x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^21 + x^19 + x^18 + x^16 + x^15 + x^14 + x^12 + x^9 + x^7 + x^6 + x^5 + x^3
+
    x^2 + 1
x^41 + x^40 + x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^26 + x^22 + x^17 +
    x^16 + x^15 + x^13 + x^11 + x + 1
x^41 + x^40 + x^39 + x^35 + x^34 + x^30 + x^29 + x^28 + x^27 + x^25 + x^24 +
    x^21 + x^20 + x^17 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^6 + x + 1

82
22
24
x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 +
    x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^20 + x^18 + x^17 + x^16 + x^15 + x^14 + x^11 + x^10 + x^9 + x^6 + x^5 + x^4
+
    x^3 + x^2 + 1
x^41 + x^38 + x^33 + x^32 + x^23 + x^21 + x^19 + x^17 + x^16 + x^15 + x^14 +
    x^13 + x^12 + x^11 + x^9 + x^7 + x^6 + x^4 + x^2 + x + 1
x^41 + x^40 + x^38 + x^36 + x^35 + x^32 + x^31 + x^30 + x^24 + x^23 + x^22 +
    x^21 + x^20 + x^17 + x^16 + x^15 + x^14 + x^13 + x^10 + x^9 + x^8 + x^3 +
1

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82
41
14
x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 +
    x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^41 + x^39 + x^37 + x^35 + x^33 + x^27 + x^26 + x^25 + x^24 + x^22 + x^21 +
    x^20 + x^19 + x^17 + x^16 + x^14 + x^13 + x^12 + x^11 + x^9 + x^7 + x^6 +
    x^3 + x^2 + 1
x^41 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^30 + x^28 + x^26 +
    x^24 + x^23 + x^22 + x^21 + x^19 + x^16 + x^15 + x^13 + x^11 + x^7 + x^4
+
    x^3 + x^2 + 1
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82
60
8
x^21 + x^19 + x^18 + x^16 + x^15 + x^14 + x^12 + x^9 + x^7 + x^6 + x^5 + x^3
+
    x^2 + 1
x + 1
x^41 + x^34 + x^33 + x^32 + x^30 + x^29 + x^27 + x^25 + x^24 + x^23 + x^20 +
    x^19 + x^17 + x^14 + x^8 + x^4 + x^3 + x^2 + 1
x^41 + x^38 + x^35 + x^32 + x^31 + x^29 + x^28 + x^27 + x^25 + x^23 + x^22 +
    x^21 + x^20 + x^19 + x^17 + x^13 + x^11 + x^10 + x^8 + x^5 + x^4 + x^2 + 1
----------------------
82
81
2
x + 1
1
x^41 + x^40 + x^38 + x^32 + x^28 + x^26 + x^25 + x^24 + x^21 + x^18 + x^17 +
    x^16 + x^12 + x^11 + x^10 + x^9 + x^4 + x^2 + 1
x^41 + x^40 + x^39 + x^38 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^29 +
    x^27 + x^26 + x^25 + x^24 + x^23 + x^19 + x^18 + x^16 + x^15 + x^12 +
x^11 +
    x^10 + x^9 + x^8 + x^6 + x^5 + x^3 + x^2 + x + 1
----------------------
84
23
24
x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 +
    x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 +
x^20 +
    x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9
+
    x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^20 + x^16 + x^12 + x^8 + x^6 + 1
x^42 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^32 + x^23 + x^22 + x^21 +
    x^18 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^3 + x + 1
x^42 + x^41 + x^38 + x^35 + x^32 + x^31 + x^30 + x^29 + x^27 + x^25 + x^21 +
    x^18 + x^17 + x^14 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + x^2 + x + 1
```

84
43
14
x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 +
    x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 +
x^20 +
    x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9
+
    x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^42 + x^39 + x^34 + x^32 + x^26 + x^21 + x^19 + x^16 + x^13 + x^12 + x^10 +
x^9
    + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + 1
x^42 + x^39 + x^36 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 +
    x^23 + x^18 + x^17 + x^14 + x^13 + x^11 + x^9 + x^7 + x^6 + x^5 + x^3 +
x^2
    + x + 1

84
25
24
x^40 + x^39 + x^37 + x^36 + x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 +
    x^24 + x^22 + x^21 + x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9
+
    x^7 + x^6 + x^4 + x^3 + x + 1
x^19 + x^17 + x^14 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x + 1
x^42 + x^39 + x^37 + x^36 + x^33 + x^31 + x^30 + x^29 + x^27 + x^25 + x^21 +
    x^15 + x^14 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
x^42 + x^41 + x^39 + x^38 + x^36 + x^35 + x^34 + x^31 + x^29 + x^22 + x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x +
1

84
44
14
x^40 + x^39 + x^37 + x^36 + x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 +
    x^24 + x^22 + x^21 + x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9
+
    x^7 + x^6 + x^4 + x^3 + x + 1
1
x^42 + x^41 + x^36 + x^31 + x^30 + x^27 + x^24 + x^21 + x^18 + x^16 + x^15 +
    x^10 + x^9 + x^7 + x^6 + x^5 + x^4 + x^3 + 1
x^42 + x^40 + x^38 + x^36 + x^33 + x^32 + x^31 + x^30 + x^29 + x^21 + x^20 +
    x^19 + x^17 + x^13 + x^12 + x^11 + x^10 + x^6 + x^5 + x^4 + x^2 + x + 1

84
24
24
x^39 + x^37 + x^36 + x^35 + x^32 + x^30 + x^29 + x^28 + x^25 + x^23 + x^22 +
    x^21 + x^18 + x^16 + x^15 + x^14 + x^11 + x^9 + x^8 + x^7 + x^4 + x^2 + x
+
    1
x^21 + x^19 + x^18 + x^17 + x^16 + x^14 + x^13 + x^11 + x^10 + x^8 + x^5 +
x^3 +
    x^2 + 1
x^42 + x^36 + x^35 + x^34 + x^33 + x^32 + x^30 + x^27 + x^26 + x^23 + x^22 +

```
    x^18 + x^14 + x^12 + x^8 + x^3 + 1
x^42 + x^41 + x^40 + x^38 + x^36 + x^34 + x^33 + x^32 + x^29 + x^28 + x^24 +
    x^22 + x^19 + x^15 + x^13 + x^12 + x^9 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
-----------------------
84
46
12
x^38 + x^37 + x^35 + x^31 + x^30 + x^28 + x^24 + x^23 + x^21 + x^17 + x^16 +
    x^14 + x^10 + x^9 + x^7 + x^3 + x^2 + 1
1
x^42 + x^38 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^25 + x^23 +
    x^21 + x^20 + x^17 + x^15 + x^12 + x^10 + x^8 + x^7 + x^5 + x^3 + x + 1
x^42 + x^40 + x^38 + x^36 + x^35 + x^34 + x^32 + x^31 + x^29 + x^28 + x^26 +
    x^24 + x^22 + x^20 + x^17 + x^15 + x^14 + x^12 + x^11 + x^9 + x^8 + x^7 +
    x^5 + x^4 + x^2 + x + 1
-----------------------
84
30
20
x^37 + x^36 + x^35 + x^34 + x^33 + x^31 + x^29 + x^26 + x^25 + x^21 + x^16 +
    x^15 + x^14 + x^13 + x^12 + x^10 + x^8 + x^5 + x^4 + 1
x^17 + x^15 + x^14 + x^11 + x^8 + x^6 + x^4 + x^2 + x + 1
x^42 + x^39 + x^36 + x^35 + x^34 + x^33 + x^27 + x^25 + x^23 + x^22 + x^21 +
    x^16 + x^14 + x^13 + x^10 + x^6 + x^2 + x + 1
x^42 + x^41 + x^40 + x^39 + x^38 + x^34 + x^28 + x^27 + x^26 + x^23 + x^22 +
    x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^12 + x^9 + x^7 + x^4 + x^3 + 1
-----------------------
84
47
12
x^37 + x^36 + x^35 + x^34 + x^33 + x^31 + x^29 + x^26 + x^25 + x^21 + x^16 +
x^15 + x^14 + x^13 + x^12 + x^10 + x^8 + x^5 +
    x^4 + 1
1
x^42 + x^41 + x^40 + x^39 + x^37 + x^36 + x^33 + x^31 + x^29 + x^28 + x^27 +
x^25 + x^22 + x^19 + x^18 + x^16 + x^15 + x^13 +
    x^11 + x^10 + x^8 + x^4 + x^3 + x + 1
x^42 + x^40 + x^39 + x^37 + x^36 + x^35 + x^33 + x^30 + x^28 + x^24 + x^22 +
x^19 + x^17 + x^12 + x^10 + x^8 + x^7 + x^5 +
    x^2 + x + 1
-----------------------
84
48
12
x^36 + x^34 + x^31 + x^28 + x^27 + x^24 + x^22 + x^21 + x^15 + x^13 + x^10 +
x^7 + x^6 + x^3 + x + 1
1
x^42 + x^41 + x^40 + x^39 + x^38 + x^36 + x^35 + x^34 + x^32 + x^31 + x^30 +
x^28 + x^27 + x^26 + x^18 + x^17 + x^16 + x^14 +
    x^10 + x^3 + 1
x^42 + x^40 + x^38 + x^37 + x^36 + x^35 + x^34 + x^30 + x^29 + x^28 + x^27 +
x^23 + x^22 + x^18 + x^16 + x^15 + x^13 + x^12 +
    x^9 + x^8 + x^7 + x^4 + x^3 + x^2 + 1
-----------------------
84
49
12
```

x^35 + x^34 + x^30 + x^29 + x^28 + x^26 + x^25 + x^24 + x^21 + x^14 + x^13 +
x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + 1
1
x^42 + x^41 + x^40 + x^39 + x^38 + x^33 + x^30 + x^29 + x^28 + x^26 + x^25 +
x^23 + x^22 + x^21 + x^19 + x^18 + x^14 + x^13 +
    x^9 + x^6 + x^5 + x^4 + x^3 + x + 1
x^42 + x^37 + x^35 + x^34 + x^31 + x^30 + x^27 + x^23 + x^22 + x^19 + x^18 +
x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
    x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + 1

84
52
10
x^32 + x^31 + x^30 + x^29 + x^26 + x^22 + x^20 + x^18 + x^17 + x^15 + x^14 +
x^12 + x^10 + x^6 + x^3 + x^2 + x + 1
1
x^42 + x^39 + x^37 + x^35 + x^33 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 +
x^17 + x^16 + x^13 + x^8 + x^4 + x^3 + x^2 + 1
x^42 + x^38 + x^37 + x^34 + x^32 + x^30 + x^27 + x^25 + x^23 + x^19 + x^17 +
x^16 + x^15 + x^13 + x^11 + x^10 + x^9 + x^8 +
    x^5 + x^4 + x^2 + x + 1

84
53
10
x^31 + x^30 + x^29 + x^28 + x^26 + x^24 + x^22 + x^21 + x^20 + x^19 + x^17 +
x^16 + x^14 + x^13 + x^11 + x^9 + x^4 + x^3 +
    x^2 + 1
1
x^42 + x^40 + x^39 + x^38 + x^37 + x^35 + x^32 + x^28 + x^27 + x^22 + x^21 +
x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 +
    x^12 + x^11 + x^9 + x^8 + x^7 + x^5 + x^2 + x + 1
x^42 + x^40 + x^34 + x^32 + x^31 + x^29 + x^28 + x^27 + x^25 + x^24 + x^21 +
x^19 + x^17 + x^15 + x^14 + x^11 + x^8 + x^5 +
    x^4 + x^2 + 1

84
58
8
x^26 + x^25 + x^24 + x^22 + x^19 + x^17 + x^14 + x^13 + x^9 + x^5 + x^2 + 1
1
x^42 + x^41 + x^40 + x^34 + x^33 + x^32 + x^29 + x^28 + x^27 + x^26 + x^24 +
    x^23 + x^22 + x^21 + x^20 + x^18 + x^17 + x^14 + x^13 + x^12 + x^11 +
x^10 +
    x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
x^42 + x^41 + x^37 + x^34 + x^33 + x^30 + x^29 + x^20 + x^19 + x^10 + x^9 +
x^8
    + x^3 + x^2 + 1

84
59
8
x^25 + x^23 + x^22 + x^18 + x^17 + x^13 + x^8 + x^7 + x^6 + x^5 + x + 1
1
x^42 + x^38 + x^35 + x^34 + x^31 + x^28 + x^27 + x^25 + x^24 + x^21 + x^20 +

```
    x^19 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^6 + x^4 + x^3 + x^2 + 1
x^42 + x^41 + x^39 + x^37 + x^35 + x^34 + x^32 + x^31 + x^29 + x^28 + x^22 +
    x^21 + x^20 + x^19 + x^18 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^8
+
    x^7 + x^4 + x^3 + x + 1
----------------------
84
60
8
x^24 + x^22 + x^20 + x^18 + x^10 + x^6 + x^2 + 1
1
x^42 + x^41 + x^38 + x^37 + x^36 + x^34 + x^33 + x^32 + x^31 + x^27 + x^26 +
    x^24 + x^23 + x^21 + x^19 + x^18 + x^17 + x^16 + x^11 + x^10 + x^8 + x^7
+
    x^6 + x^5 + x^4 + x^2 + 1
x^42 + x^40 + x^36 + x^32 + x^30 + x^29 + x^23 + x^22 + x^17 + x^16 + x^15 +
    x^11 + x^8 + x^7 + x^6 + x^3 + 1
----------------------
84
61
8
x^21 + x^19 + x^18 + x^17 + x^16 + x^14 + x^13 + x^11 + x^10 + x^8 + x^5 +
x^3 +
    x^2 + 1
x^2 + 1
x^42 + x^38 + x^37 + x^35 + x^34 + x^31 + x^29 + x^28 + x^26 + x^25 + x^22 +
    x^20 + x^15 + x^14 + x^12 + x^11 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 +
x^2 +
    x + 1
x^42 + x^41 + x^39 + x^38 + x^36 + x^34 + x^33 + x^32 + x^29 + x^27 + x^25 +
    x^24 + x^23 + x^21 + x^20 + x^19 + x^17 + x^16 + x^12 + x^11 + x^10 + x^9
+
    x^6 + x^3 + 1
----------------------
84
66
6
x^17 + x^15 + x^14 + x^11 + x^8 + x^6 + x^4 + x^2 + x + 1
x + 1
x^42 + x^41 + x^40 + x^39 + x^37 + x^36 + x^33 + x^31 + x^30 + x^29 + x^28 +
    x^25 + x^24 + x^23 + x^21 + x^18 + x^17 + x^14 + x^13 + x^12 + x^11 + x^7
+
    x^6 + x^5 + x^2 + x + 1
x^42 + x^37 + x^33 + x^32 + x^26 + x^24 + x^19 + x^18 + x^16 + x^14 + x^10 +
x^9
    + x^4 + x^3 + x^2 + x + 1
----------------------
84
67
6
x^17 + x^15 + x^14 + x^11 + x^8 + x^6 + x^4 + x^2 + x + 1
1
x^42 + x^39 + x^38 + x^37 + x^36 + x^35 + x^32 + x^31 + x^27 + x^25 + x^24 +
    x^23 + x^22 + x^18 + x^17 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^8
+
    x^7 + x + 1
x^42 + x^41 + x^39 + x^37 + x^32 + x^30 + x^29 + x^28 + x^24 + x^23 + x^19 +
```

```
    x^18 + x^14 + x^13 + x^11 + x^10 + x^9 + x^5 + x^3 + x + 1
-----------------------
84
68
6
x^16 + x^15 + x^13 + x^12 + x^11 + x^7 + x^6 + x^3 + x^2 + 1
1
x^42 + x^41 + x^38 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^23 + x^22 +
    x^21 + x^20 + x^19 + x^18 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^7
+
    x^6 + x^5 + x^3 + x + 1
x^42 + x^41 + x^40 + x^38 + x^36 + x^35 + x^34 + x^29 + x^28 + x^27 + x^25 +
    x^24 + x^22 + x^21 + x^20 + x^18 + x^17 + x^16 + x^13 + x^12 + x^11 +
x^10 +
    x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
-----------------------
84
71
4
x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^42 + x^41 + x^38 + x^37 + x^36 + x^35 + x^34 + x^31 + x^30 + x^26 + x^23 +
    x^21 + x^18 + x^17 + x^16 + x^15 + x^5 + x^2 + 1
x^42 + x^39 + x^37 + x^35 + x^34 + x^30 + x^28 + x^26 + x^24 + x^22 + x^19 +
    x^18 + x^17 + x^14 + x^10 + x^8 + x^6 + x^4 + x^3 + x^2 + 1
-----------------------
84
72
4
x^12 + x^11 + x^10 + x^7 + x^6 + x^5 + 1
1
x^42 + x^38 + x^34 + x^33 + x^30 + x^21 + x^20 + x^19 + x^14 + x^11 + x^10 +
x^9
    + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 1
x^42 + x^41 + x^40 + x^36 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 +
    x^23 + x^22 + x^21 + x^18 + x^16 + x^15 + x^8 + x^7 + x^5 + x^2 + x + 1
-----------------------
84
73
4
x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
1
x^42 + x^41 + x^40 + x^32 + x^31 + x^29 + x^27 + x^21 + x^20 + x^17 + x^16 +
    x^15 + x^13 + x^11 + x^10 + x^9 + x^8 + x^6 + x^5 + x^3 + 1
x^42 + x^41 + x^37 + x^35 + x^34 + x^31 + x^30 + x^25 + x^20 + x^19 + x^18 +
    x^17 + x^14 + x^13 + x^11 + x^9 + x^7 + x^5 + x^4 + x^2 + 1
-----------------------
84
74
4
x^10 + x^6 + x^5 + x^2 + x + 1
1
x^42 + x^41 + x^40 + x^38 + x^36 + x^35 + x^32 + x^30 + x^29 + x^27 + x^26 +
    x^25 + x^24 + x^22 + x^11 + x^9 + x^8 + x^7 + x^5 + x^4 + x^2 + x + 1
x^42 + x^38 + x^36 + x^30 + x^28 + x^27 + x^26 + x^25 + x^22 + x^18 + x^14 +
    x^13 + x^12 + x^11 + 1
-----------------------
```

```
84
75
4
x^9 + x^6 + x^5 + x^3 + x^2 + 1
1
x^42 + x^41 + x^38 + x^35 + x^34 + x^28 + x^27 + x^24 + x^21 + x^20 + x^19 +
    x^17 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^8 + x^7 + x^6 + x^4 +
x^2
    + x + 1
x^42 + x^38 + x^37 + x^36 + x^34 + x^32 + x^31 + x^30 + x^28 + x^23 + x^22 +
    x^21 + x^20 + x^19 + x^14 + x^13 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + 1
----------------------
84
76
4
x^8 + x^3 + x + 1
1
x^42 + x^38 + x^36 + x^35 + x^34 + x^32 + x^29 + x^28 + x^22 + x^20 + x^17 +
    x^14 + x^10 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
x^42 + x^33 + x^32 + x^28 + x^26 + x^23 + x^22 + x^20 + x^19 + x^17 + x^16 +
    x^12 + x^10 + x^9 + x^6 + x + 1
----------------------
84
78
2
x^6 + x^2 + 1
1
x^42 + x^38 + x^35 + x^32 + x^31 + x^29 + x^23 + x^20 + x^16 + x^12 + x^11 +
x^8
    + x^7 + x^5 + x^4 + x^3 + x^2 + x + 1
x^42 + x^40 + x^38 + x^37 + x^35 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 +
    x^25 + x^24 + x^23 + x^21 + x^19 + x^18 + x^16 + x^14 + x^12 + x^10 + x^9
+
    x^8 + x^7 + x^6 + x + 1
----------------------
84
79
2
x^5 + x^4 + 1
1
x^42 + x^39 + x^37 + x^36 + x^34 + x^32 + x^31 + x^28 + x^27 + x^26 + x^24 +
    x^23 + x^22 + x^21 + x^20 + x^17 + x^14 + x^12 + x^11 + x^9 + x^6 + x^5 +
    x^4 + x^2 + 1
x^42 + x^41 + x^38 + x^37 + x^35 + x^34 + x^33 + x^30 + x^28 + x^25 + x^23 +
    x^22 + x^20 + x^19 + x^18 + x^13 + x^12 + x^11 + x^9 + x^8 + x^6 + x^2 + 1
----------------------
84
80
2
x^4 + x^2 + 1
1
x^42 + x^40 + x^38 + x^37 + x^34 + x^33 + x^29 + x^26 + x^20 + x^13 + x^11 +
    x^10 + x^7 + x^6 + 1
x^42 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^32 + x^29 + x^27 +
    x^26 + x^24 + x^22 + x^21 + x^17 + x^13 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^5
    + x^3 + x^2 + x + 1
```

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----------------------
84
81
2
x^3 + x + 1
1
x^42 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^27 + x^26 + x^25 + x^23 +
    x^15 + x^14 + x^13 + x^12 + x^8 + x^7 + x^5 + x^2 + x + 1
x^42 + x^38 + x^37 + x^35 + x^30 + x^29 + x^26 + x^25 + x^24 + x^23 + x^22 +
    x^21 + x^19 + x^18 + x^14 + x^12 + x^11 + x^9 + x^5 + x^4 + x^2 + x + 1
----------------------
84
82
2
x^2 + 1
1
x^42 + x^39 + x^38 + x^35 + x^34 + x^33 + x^32 + x^31 + x^25 + x^22 + x^19 +
    x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^10 + x^9 + x^6 + x^5 +
    x^3 + x + 1
x^42 + x^40 + x^38 + x^37 + x^33 + x^32 + x^29 + x^28 + x^27 + x^26 + x^24 +
    x^18 + x^16 + x^15 + x^14 + x^13 + x^11 + x^10 + x^9 + x^7 + x^6 + x^4 +
x^3
    + x + 1
----------------------
84
83
2
x + 1
1
x^42 + x^40 + x^39 + x^36 + x^34 + x^30 + x^27 + x^25 + x^24 + x^23 + x^22 +
    x^19 + x^18 + x^15 + x^12 + x^11 + x^10 + x^5 + x^3 + x^2 + 1
x^42 + x^40 + x^39 + x^38 + x^36 + x^35 + x^34 + x^28 + x^27 + x^26 + x^25 +
    x^23 + x^22 + x^19 + x^18 + x^17 + x^16 + x^14 + x^13 + x^11 + x^10 + x^7
+
    x^5 + x + 1
----------------------
```

```
86
15
32
x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 +
    x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 +
x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
x^10 +
    x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^29 + x^28 + x^27 + x^25 + x^21 + x^18 + x^15 + x^14 + x^11 + x^8 + x^4 +
x^2 +
    x + 1
x^43 + x^41 + x^40 + x^36 + x^35 + x^34 + x^33 + x^31 + x^26 + x^24 + x^23 +
    x^21 + x^20 + x^18 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^6 + x^4
+
    x^2 + x + 1
x^43 + x^39 + x^38 + x^34 + x^29 + x^28 + x^27 + x^24 + x^22 + x^21 + x^20 +
```

```
    x^17 + x^16 + x^15 + x^12 + x^10 + x^9 + x^7 + x^5 + x^3 + x^2 + x + 1
------------------------------
86
16
32
x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 +
    x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 +
x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
x^10 +
    x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^28 + x^27 + x^22 + x^20 + x^19 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 +
    x^11 + x^9 + x^8 + x^6 + x + 1
x^43 + x^42 + x^40 + x^38 + x^37 + x^36 + x^30 + x^27 + x^25 + x^24 + x^22 +
    x^21 + x^19 + x^18 + x^14 + x^13 + x^11 + x^10 + x^8 + x^7 + x^6 + x^4 + 1
x^43 + x^36 + x^35 + x^33 + x^32 + x^31 + x^30 + x^27 + x^26 + x^22 + x^19 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^9 + x^6 + x^5 + x^4 + x^3 + x^2 + 1

-------------------
86
56
10
x^29 + x^28 + x^27 + x^25 + x^21 + x^18 + x^15 + x^14 + x^11 + x^8 + x^4 +
x^2 +
    x + 1
x + 1
x^43 + x^39 + x^37 + x^35 + x^31 + x^27 + x^21 + x^20 + x^18 + x^16 + x^13 +
    x^12 + x^11 + x^10 + x^6 + x^5 + x^3 + x + 1
x^43 + x^42 + x^41 + x^39 + x^37 + x^35 + x^32 + x^31 + x^30 + x^23 + x^22 +
    x^20 + x^19 + x^16 + x^15 + x^14 + x^12 + x^11 + x^9 + x^8 + x^6 + x + 1
-----------------------
86
57
10
x^29 + x^28 + x^27 + x^25 + x^21 + x^18 + x^15 + x^14 + x^11 + x^8 + x^4 +
x^2 +
    x + 1
1
x^43 + x^38 + x^37 + x^34 + x^33 + x^30 + x^26 + x^25 + x^24 + x^23 + x^21 +
    x^18 + x^16 + x^10 + x^9 + x^3 + x^2 + x + 1
x^43 + x^42 + x^39 + x^33 + x^31 + x^27 + x^22 + x^21 + x^20 + x^19 + x^18 +
    x^16 + x^15 + x^13 + x^9 + x^8 + x^7 + x^5 + x^4 + x^2 + 1
-----------------------
86
70
6
x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 +
x
    + 1
x + 1
x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^36 + x^35 + x^33 + x^32 + x^31 +
    x^29 + x^28 + x^27 + x^25 + x^24 + x^23 + x^22 + x^21 + x^18 + x^17 +
x^12 +
    x^11 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
x^43 + x^40 + x^39 + x^36 + x^35 + x^34 + x^31 + x^29 + x^28 + x^27 + x^26 +
    x^25 + x^22 + x^21 + x^19 + x^17 + x^16 + x^14 + x^11 + x^10 + x^9 + x^6
+
```

```
     x^5 + x^3 + 1
----------------------
86
71
6
x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^8 + x^7 + x^5 + x^4 + x^3 + x^2 +
x
    + 1
1
x^43 + x^41 + x^39 + x^38 + x^37 + x^36 + x^35 + x^33 + x^26 + x^25 + x^21 +
    x^20 + x^19 + x^17 + x^15 + x^10 + x^9 + x^4 + x^3 + x^2 + 1
x^43 + x^42 + x^40 + x^39 + x^38 + x^32 + x^28 + x^27 + x^26 + x^22 + x^21 +
    x^20 + x^19 + x^17 + x^16 + x^12 + x^11 + x^10 + x^9 + x^6 + x^5 + x^4 +
x^2
    + x + 1
----------------------
86
72
5
x^14 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + 1
1
x^43 + x^41 + x^40 + x^37 + x^32 + x^27 + x^23 + x^22 + x^21 + x^18 + x^12 +
    x^11 + x^10 + x^6 + x^3 + x + 1
x^43 + x^42 + x^38 + x^37 + x^34 + x^33 + x^32 + x^31 + x^29 + x^27 + x^25 +
    x^24 + x^23 + x^20 + x^18 + x^17 + x^16 + x^15 + x^11 + x^9 + x^8 + x^5 +
    x^4 + x^3 + x^2 + x + 1
----------------------
86
85
2
x + 1
1
x^43 + x^41 + x^39 + x^38 + x^37 + x^36 + x^35 + x^33 + x^31 + x^30 + x^28 +
    x^25 + x^23 + x^22 + x^21 + x^19 + x^14 + x^12 + x^11 + x^10 + x^9 + x^7
+
    x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^43 + x^42 + x^41 + x^40 + x^37 + x^36 + x^35 + x^34 + x^33 + x^31 + x^30 +
    x^26 + x^22 + x^21 + x^16 + x^15 + x^14 + x^12 + x^11 + x^10 + x^9 + x^8
+
    x^7 + x^5 + x^3 + x^2 + 1
----------------------


88
32
20
x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 +
    x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 +
x^22 +
    x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 +
x^11 +
    x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^13 + x^11 + x^2 + 1
x^44 + x^43 + x^41 + x^39 + x^38 + x^37 + x^33 + x^30 + x^26 + x^24 + x^23 +
    x^22 + x^19 + x^16 + x^12 + x^11 + x^8 + x^5 + x^4 + x^2 + 1
x^44 + x^40 + x^34 + x^33 + x^32 + x^31 + x^29 + x^27 + x^26 + x^25 + x^24 +
    x^22 + x^21 + x^20 + x^13 + x^11 + x^10 + x^7 + x^4 + x^3 + x^2 + x + 1
```

```
------------------------
88
46
14
x^42 + x^40 + x^38 + x^36 + x^34 + x^32 + x^30 + x^28 + x^26 + x^24 + x^22 +
    x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
1
x^44 + x^41 + x^39 + x^38 + x^36 + x^32 + x^31 + x^23 + x^22 + x^21 + x^20 +
    x^19 + x^17 + x^16 + x^15 + x^13 + x^12 + x^10 + x^8 + x^2 + 1
x^44 + x^41 + x^40 + x^39 + x^37 + x^33 + x^32 + x^31 + x^30 + x^27 + x^23 +
    x^22 + x^21 + x^20 + x^18 + x^17 + x^15 + x^14 + x^12 + x^8 + x^7 + x^5 +
1
----------------------
88
47
14
x^41 + x^40 + x^37 + x^36 + x^33 + x^32 + x^29 + x^28 + x^25 + x^24 + x^21 +
    x^20 + x^17 + x^16 + x^13 + x^12 + x^9 + x^8 + x^5 + x^4 + x + 1
1
x^44 + x^42 + x^41 + x^40 + x^38 + x^33 + x^31 + x^30 + x^28 + x^26 + x^25 +
    x^23 + x^22 + x^19 + x^14 + x^8 + x^6 + x^4 + x^3 + x^2 + 1
x^44 + x^40 + x^39 + x^38 + x^37 + x^35 + x^33 + x^32 + x^31 + x^28 + x^27 +
    x^23 + x^20 + x^16 + x^15 + x^14 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^4
    + x^3 + 1
----------------------
88
75
4
x^13 + x^11 + x^2 + 1
1
x^44 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^31 + x^30 + x^29 +
    x^27 + x^25 + x^24 + x^19 + x^17 + x^15 + x^14 + x^2 + x + 1
x^44 + x^42 + x^41 + x^39 + x^37 + x^36 + x^32 + x^30 + x^29 + x^24 + x^21 +
    x^20 + x^17 + x^16 + x^15 + x^14 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 +
x^4
    + x^3 + 1
----------------------
88
84
2
x^4 + 1
1
x^44 + x^39 + x^38 + x^34 + x^33 + x^32 + x^31 + x^28 + x^24 + x^22 + x^20 +
    x^19 + x^18 + x^15 + x^14 + x^11 + x^9 + x^4 + x^3 + x + 1
x^44 + x^43 + x^42 + x^41 + x^39 + x^38 + x^36 + x^35 + x^34 + x^31 + x^30 +
    x^29 + x^26 + x^25 + x^24 + x^22 + x^21 + x^20 + x^18 + x^16 + x^15 +
x^14 +
    x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^3 + x^2 + x + 1
----------------------
88
85
2
x^3 + x^2 + x + 1
1
x^44 + x^43 + x^41 + x^40 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^31 +
    x^28 + x^27 + x^26 + x^24 + x^23 + x^21 + x^15 + x^13 + x^11 + x^10 + x^8
```

90

21

28

x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 +

    x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 +

x^23 +

    x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +

x^12 +

    x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1

x^25 + x^24 + x^22 + x^18 + x^16 + x^15 + x^12 + x^4 + x^3 + 1

x^45 + x^44 + x^43 + x^40 + x^39 + x^36 + x^34 + x^32 + x^31 + x^29 + x^28 +

    x^27 + x^22 + x^21 + x^20 + x^19 + x^17 + x^16 + x^15 + x^11 + x^9 + x^7

+

    x^6 + x^5 + x^4 + x^3 + x^2 + x + 1

x^45 + x^43 + x^41 + x^39 + x^38 + x^34 + x^31 + x^25 + x^22 + x^20 + x^16 +

    x^15 + x^13 + x^12 + x^7 + x^4 + x^3 + x + 1

90

25

25

x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 +

    x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 +

x^23 +

    x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +

x^12 +

    x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1

x^21 + x^18 + x^17 + x^16 + x^13 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1

x^45 + x^44 + x^42 + x^41 + x^40 + x^38 + x^37 + x^35 + x^34 + x^33 + x^32 +

    x^30 + x^29 + x^27 + x^25 + x^24 + x^23 + x^22 + x^20 + x^19 + x^13 +

```
x^12 +
    x^11 + x^9 + x^7 + x^3 + x^2 + x + 1
x^45 + x^44 + x^43 + x^41 + x^40 + x^38 + x^37 + x^36 + x^32 + x^31 + x^28 +
    x^27 + x^26 + x^24 + x^20 + x^18 + x^17 + x^16 + x^15 + x^12 + x^10 + x^9
+
    x^8 + x^5 + x^4 + x^3 + x^2 + x + 1
---------------------------------------------

90
26
24
x^41 + x^38 + x^37 + x^35 + x^33 + x^32 + x^31 + x^30 + x^26 + x^23 + x^22 +
    x^20 + x^18 + x^17 + x^16 + x^15 + x^11 + x^8 + x^7 + x^5 + x^3 + x^2 + x
+
    1
x^23 + x^22 + x^20 + x^18 + x^14 + x^13 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3
+
    x^2 + 1
x^45 + x^44 + x^42 + x^41 + x^40 + x^34 + x^31 + x^27 + x^26 + x^25 + x^22 +
    x^18 + x^14 + x^13 + x^10 + x^9 + x^8 + x^7 + x^6 + x^3 + 1
x^45 + x^40 + x^39 + x^36 + x^34 + x^32 + x^29 + x^28 + x^24 + x^22 + x^18 +
    x^17 + x^16 + x^14 + x^12 + x^10 + x^8 + x^4 + x^3 + x^2 + 1

-----------------------
90
33
20
x^40 + x^39 + x^38 + x^36 + x^35 + x^32 + x^30 + x^25 + x^24 + x^23 + x^21 +
    x^20 + x^17 + x^15 + x^10 + x^9 + x^8 + x^6 + x^5 + x^2 + 1
x^17 + x^15 + x^14 + x^13 + x^10 + x^9 + x^5 + x^3 + x + 1
x^45 + x^43 + x^41 + x^37 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 +
    x^28 + x^27 + x^26 + x^25 + x^24 + x^22 + x^21 + x^20 + x^19 + x^18 +
x^15 +
    x^13 + x^12 + x^10 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
x^45 + x^39 + x^37 + x^36 + x^34 + x^33 + x^32 + x^30 + x^28 + x^26 + x^25 +
    x^24 + x^22 + x^20 + x^18 + x^16 + x^13 + x^12 + x^10 + x^9 + x^8 + x^4 +
1

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90
46
14
x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 +
    x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 +
x^23 +
    x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
x^12 +
    x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^45 + x^43 + x^42 + x^41 + x^38 + x^34 + x^33 + x^31 + x^29 + x^28 + x^25 +
    x^23 + x^22 + x^21 + x^20 + x^17 + x^12 + x^11 + x^10 + x^7 + x^2 + x + 1
x^45 + x^43 + x^42 + x^41 + x^40 + x^38 + x^37 + x^35 + x^33 + x^31 + x^29 +
    x^28 + x^26 + x^22 + x^20 + x^19 + x^17 + x^15 + x^14 + x^13 + x^10 + x^9
+
    x^7 + x^4 + x^3 + x + 1
-------------------------
90
```

47
14
x^43 + x^42 + x^40 + x^39 + x^37 + x^36 + x^34 + x^33 + x^31 + x^30 + x^28 +
    x^27 + x^25 + x^24 + x^22 + x^21 + x^19 + x^18 + x^16 + x^15 + x^13 +
x^12 +
    x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
1
x^45 + x^42 + x^40 + x^38 + x^37 + x^36 + x^34 + x^33 + x^32 + x^31 + x^29 +
    x^28 + x^25 + x^24 + x^21 + x^18 + x^16 + x^15 + x^12 + x^10 + x^9 + x^8
+
    x^7 + x^4 + x^3 + x^2 + 1
x^45 + x^44 + x^43 + x^40 + x^37 + x^32 + x^30 + x^28 + x^20 + x^19 + x^18 +
    x^17 + x^14 + x^7 + x^6 + x^4 + x^3 + x^2 + 1

90
48
14
x^41 + x^38 + x^37 + x^35 + x^33 + x^32 + x^31 + x^30 + x^26 + x^23 + x^22 +
    x^20 + x^18 + x^17 + x^16 + x^15 + x^11 + x^8 + x^7 + x^5 + x^3 + x^2 + x
+
    1
x + 1
x^45 + x^38 + x^36 + x^35 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^21 +
    x^19 + x^17 + x^16 + x^15 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 +
x^4
    + x^3 + x^2 + x + 1
x^45 + x^44 + x^42 + x^41 + x^40 + x^39 + x^35 + x^34 + x^32 + x^31 + x^30 +
x^26 + x^22 + x^20 + x^19 + x^9 + x^5 + x^4 + x^2 + x + 1

90
52
12
x^37 + x^36 + x^35 + x^32 + x^31 + x^30 + x^22 + x^21 + x^20 + x^17 + x^16 +
    x^15 + x^7 + x^6 + x^5 + x^2 + x + 1
x + 1
x^45 + x^44 + x^43 + x^41 + x^40 + x^38 + x^37 + x^35 + x^34 + x^33 + x^30 +
    x^29 + x^27 + x^26 + x^25 + x^23 + x^21 + x^20 + x^15 + x^10 + x^9 + x^6
+
    x^4 + x + 1
x^45 + x^40 + x^39 + x^34 + x^30 + x^28 + x^27 + x^25 + x^24 + x^23 + x^19 +
    x^18 + x^16 + x^15 + x^9 + x^6 + x^4 + x^2 + 1

90
53
12
x^37 + x^36 + x^35 + x^32 + x^31 + x^30 + x^22 + x^21 + x^20 + x^17 + x^16 +
    x^15 + x^7 + x^6 + x^5 + x^2 + x + 1
1
x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^35 + x^34 + x^33 +
    x^32 + x^31 + x^29 + x^26 + x^25 + x^23 + x^22 + x^20 + x^18 + x^17 +
x^15 +
    x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^6 + x^5 + x^4 + x^3 + x^2 + x +
1
x^45 + x^44 + x^42 + x^40 + x^38 + x^37 + x^36 + x^32 + x^31 + x^29 + x^25 +

```
    x^24 + x^23 + x^22 + x^21 + x^20 + x^18 + x^13 + x^12 + x^11 + x^9 + x^6
+
    x^3 + x^2 + 1

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90
54
12
x^35 + x^33 + x^31 + x^30 + x^20 + x^18 + x^16 + x^15 + x^5 + x^3 + x + 1
x + 1
x^45 + x^44 + x^42 + x^37 + x^35 + x^34 + x^31 + x^30 + x^28 + x^26 + x^24 +
    x^22 + x^21 + x^19 + x^16 + x^14 + x^12 + x^8 + x^7 + x^3 + x^2 + x + 1
x^45 + x^43 + x^42 + x^41 + x^36 + x^35 + x^33 + x^32 + x^29 + x^28 + x^25 +
    x^24 + x^21 + x^20 + x^17 + x^15 + x^12 + x^10 + x^9 + x^8 + x^7 + x^4 +
x^2
    + x + 1
----------------------
90
57
10
x^33 + x^29 + x^28 + x^27 + x^26 + x^22 + x^21 + x^20 + x^19 + x^17 + x^14 +
    x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
1
x^45 + x^43 + x^42 + x^41 + x^40 + x^38 + x^35 + x^32 + x^30 + x^28 + x^27 +
    x^26 + x^25 + x^24 + x^22 + x^19 + x^14 + x^13 + x^11 + x^9 + x^7 + x^6 +
    x^5 + x^2 + 1
x^45 + x^44 + x^43 + x^41 + x^37 + x^36 + x^35 + x^34 + x^32 + x^30 + x^29 +
    x^28 + x^27 + x^26 + x^20 + x^19 + x^18 + x^16 + x^14 + x^12 + x^11 + x^9
+
    x^7 + x^6 + x^4 + x^2 + 1
----------------------
90
58
10
x^31 + x^30 + x^27 + x^25 + x^24 + x^22 + x^18 + x^13 + x^12 + x^10 + x^6 +
x^4
    + x^3 + 1
x + 1
x^45 + x^43 + x^42 + x^41 + x^39 + x^38 + x^36 + x^35 + x^31 + x^29 + x^27 +
    x^26 + x^25 + x^24 + x^23 + x^17 + x^16 + x^12 + x^8 + x^6 + x^5 + x^3 + 1
x^45 + x^44 + x^41 + x^39 + x^38 + x^36 + x^35 + x^32 + x^31 + x^29 + x^27 +
    x^26 + x^24 + x^23 + x^21 + x^19 + x^18 + x^17 + x^10 + x^7 + x^6 + x^4 +
    x^2 + x + 1
----------------------
90
59
10
x^31 + x^30 + x^27 + x^25 + x^24 + x^22 + x^18 + x^13 + x^12 + x^10 + x^6 +
x^4
    + x^3 + 1
1
x^45 + x^44 + x^42 + x^39 + x^37 + x^36 + x^35 + x^33 + x^32 + x^31 + x^30 +
    x^29 + x^26 + x^23 + x^22 + x^21 + x^20 + x^19 + x^16 + x^15 + x^12 + x^7
+
    x^5 + x^3 + 1
x^45 + x^43 + x^42 + x^41 + x^40 + x^37 + x^36 + x^33 + x^32 + x^28 + x^20 +
    x^19 + x^17 + x^10 + x^9 + x^8 + x^7 + x^5 + x^4 + x^2 + 1
```

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----------------------
90
60
10
x^29 + x^28 + x^25 + x^24 + x^23 + x^21 + x^20 + x^19 + x^16 + x^15 + x^13 +
    x^12 + x^11 + x^9 + x^8 + x^7 + x^4 + x^3 + x^2 + 1
x + 1
x^45 + x^43 + x^41 + x^39 + x^37 + x^34 + x^33 + x^31 + x^30 + x^28 + x^23 +
    x^22 + x^16 + x^12 + x^10 + x^6 + x^5 + x^4 + x^2 + x + 1
x^45 + x^44 + x^43 + x^42 + x^41 + x^39 + x^38 + x^31 + x^29 + x^26 + x^24 +
    x^22 + x^20 + x^19 + x^17 + x^15 + x^14 + x^13 + x^11 + x^9 + x^8 + x^7 +
    x^6 + x^4 + x^3 + x + 1
----------------------
90
64
8
x^25 + x^24 + x^22 + x^18 + x^16 + x^15 + x^12 + x^4 + x^3 + 1
x + 1
x^45 + x^43 + x^42 + x^41 + x^34 + x^32 + x^30 + x^28 + x^26 + x^23 + x^21 +
x^20 + x^19 + x^17 + x^16 + x^14 + x^13 + x^7 +
    x^6 + x^5 + x^3 + x + 1
x^45 + x^44 + x^42 + x^41 + x^40 + x^37 + x^36 + x^34 + x^33 + x^32 + x^29 +
x^26 + x^25 + x^23 + x^21 + x^20 + x^18 + x^17 +
    x^15 + x^12 + x^11 + x^8 + x^7 + x^5 + x^4 + x^2 + 1
----------------------
90
65
8
x^25 + x^24 + x^22 + x^18 + x^16 + x^15 + x^12 + x^4 + x^3 + 1
1
x^45 + x^42 + x^40 + x^39 + x^36 + x^35 + x^30 + x^28 + x^27 + x^26 + x^24 +
x^23 + x^21 + x^20 + x^15 + x^14 + x^12 + x^11 +
    x^10 + x^8 + x^5 + x^3 + 1
x^45 + x^44 + x^42 + x^39 + x^36 + x^34 + x^32 + x^29 + x^25 + x^23 + x^21 +
x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^11 +
    x^10 + x^9 + 1
----------------------
90
66
8
x^23 + x^22 + x^20 + x^18 + x^14 + x^13 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3
+ x^2 + 1
x + 1
x^45 + x^43 + x^42 + x^37 + x^33 + x^30 + x^27 + x^26 + x^25 + x^24 + x^22 +
x^21 + x^19 + x^18 + x^17 + x^16 + x^14 + x^13 +
    x^6 + x^4 + x^3 + x^2 + 1
x^45 + x^43 + x^42 + x^41 + x^39 + x^36 + x^35 + x^34 + x^33 + x^31 + x^30 +
x^29 + x^27 + x^18 + x^13 + x^12 + x^9 + x^8 +
    x^7 + x^6 + x^5 + x^2 + 1
----------------------
90
71
6
x^19 + x^16 + x^15 + x^13 + x^10 + x^9 + x^7 + x^3 + x + 1
1
x^45 + x^44 + x^39 + x^38 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^26 +
x^25 + x^23 + x^22 + x^21 + x^19 + x^14 + x^13 +
```

```
    x^2 + x + 1
x^45 + x^44 + x^42 + x^40 + x^37 + x^36 + x^34 + x^32 + x^30 + x^26 + x^25 +
x^24 + x^23 + x^21 + x^19 + x^17 + x^11 + x^9 +
    x^8 + x^5 + 1
-----------------------
90
72
6
x^18 + x^14 + x^13 + x^11 + x^10 + x^9 + x^6 + x^3 + x^2 + x + 1
1
x^45 + x^44 + x^43 + x^40 + x^39 + x^36 + x^35 + x^34 + x^33 + x^30 + x^29 +
x^28 + x^24 + x^22 + x^21 + x^19 + x^17 + x^15 +
    x^12 + x^11 + x^10 + x^9 + x^5 + x^4 + 1
x^45 + x^44 + x^43 + x^42 + x^41 + x^39 + x^37 + x^35 + x^34 + x^31 + x^29 +
x^27 + x^26 + x^21 + x^19 + x^14 + x^12 + x^11 +
    x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^2 + x + 1
-----------------------
90
73
6
x^17 + x^15 + x^14 + x^13 + x^10 + x^9 + x^5 + x^3 + x + 1
1
x^45 + x^41 + x^40 + x^38 + x^37 + x^36 + x^29 + x^26 + x^25 + x^24 + x^23 +
x^22 + x^21 + x^18 + x^17 + x^16 + x^15 + x^12 +
    x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^3 + x + 1
x^45 + x^43 + x^42 + x^38 + x^37 + x^36 + x^34 + x^33 + x^31 + x^30 + x^29 +
x^28 + x^27 + x^24 + x^23 + x^20 + x^19 + x^15 +
    x^14 + x^12 + x^11 + x^8 + x^6 + x^5 + x^3 + x^2 + 1
-----------------------
90
77
4
x^13 + x^12 + x^4 + x^3 + x + 1
1
x^45 + x^44 + x^42 + x^41 + x^39 + x^38 + x^37 + x^35 + x^32 + x^31 + x^30 +
x^29 + x^28 + x^26 + x^25 + x^23 + x^22 + x^20 +
    x^19 + x^17 + x^15 + x^9 + x^7 + x^3 + x^2 + x + 1
x^45 + x^44 + x^43 + x^40 + x^39 + x^38 + x^37 + x^34 + x^33 + x^26 + x^25 +
x^21 + x^20 + x^17 + x^13 + x^11 + x^10 + x^9 +
    x^7 + x^5 + x^4 + x^2 + 1
-----------------------
90
78
4
x^12 + x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^4 + 1
1
x^45 + x^39 + x^38 + x^37 + x^35 + x^31 + x^30 + x^29 + x^26 + x^25 + x^24 +
x^23 + x^22 + x^21 + x^17 + x^13 + x^12 + x^11 +
    x^10 + x^8 + x^6 + x + 1
x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^37 + x^35 + x^34 + x^33 +
x^32 + x^31 + x^30 + x^28 + x^22 + x^18 + x^17 +
    x^16 + x^15 + x^11 + x^10 + x^7 + x^6 + x^4 + x^3 + 1
-----------------------
90
79
4
x^11 + x^10 + x^7 + x^6 + x^4 + x^3 + x^2 + 1
```

1
x^45 + x^44 + x^38 + x^37 + x^36 + x^34 + x^32 + x^31 + x^30 + x^29 + x^27 +
x^25 + x^23 + x^21 + x^20 + x^19 + x^17 + x^16 +
    x^14 + x^13 + x^10 + x^6 + x^3 + x + 1
x^45 + x^44 + x^42 + x^40 + x^39 + x^37 + x^33 + x^32 + x^27 + x^26 + x^23 +
x^19 + x^16 + x^13 + x^12 + x^10 + x^4 + x + 1

90
80
4
x^10 + x^9 + x^8 + x^5 + x^2 + x + 1
1
x^45 + x^43 + x^42 + x^35 + x^34 + x^33 + x^29 + x^28 + x^23 + x^22 + x^21 +
x^20 + x^19 + x^15 + x^13 + x^8 + x^7 + x^6 +
    x^5 + x^3 + 1
x^45 + x^43 + x^41 + x^40 + x^36 + x^34 + x^33 + x^31 + x^26 + x^24 + x^21 +
x^20 + x^19 + x^17 + x^15 + x^14 + x^10 + x^7 +
    x^5 + x^4 + 1

90
84
2
x^6 + x^3 + 1
1
x^45 + x^43 + x^40 + x^37 + x^35 + x^34 + x^32 + x^31 + x^25 + x^23 + x^22 +
x^21 + x^20 + x^19 + x^17 + x^13 + x^9 + x^7 +
    x^6 + x^5 + x^4 + x + 1
x^45 + x^44 + x^43 + x^38 + x^35 + x^33 + x^32 + x^31 + x^30 + x^29 + x^25 +
x^23 + x^21 + x^18 + x^17 + x^15 + x^14 + x^13 +
    x^9 + x^6 + x^4 + x + 1

90
85
2
x^5 + 1
1
x^45 + x^42 + x^38 + x^37 + x^36 + x^35 + x^32 + x^30 + x^28 + x^27 + x^24 +
x^22 + x^18 + x^12 + x^11 + x^8 + x^7 + x^6 +
    x^4 + x^2 + 1
x^45 + x^44 + x^42 + x^40 + x^34 + x^29 + x^27 + x^26 + x^24 + x^23 + x^19 +
x^17 + x^16 + x^14 + x^11 + x^10 + x^9 + x^8 +
    x^7 + x^6 + x^5 + x^4 + x^2 + x + 1

90
86
2
x^4 + x + 1
1
x^45 + x^42 + x^41 + x^40 + x^36 + x^35 + x^34 + x^32 + x^28 + x^27 + x^26 +
x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
    x^15 + x^14 + x^12 + x^11 + x^10 + x^9 + x^7 + x^5 + x^2 + x + 1
x^45 + x^44 + x^40 + x^36 + x^32 + x^30 + x^27 + x^26 + x^25 + x^24 + x^23 +
x^20 + x^19 + x^16 + x^13 + x^12 + x^11 + x^10 +
    1

90
87

2
x^3 + 1
1
x^45 + x^41 + x^40 + x^38 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 +
x^29 + x^27 + x^26 + x^25 + x^23 + x^22 + x^21 +
    x^20 + x^18 + x^17 + x^16 + x^15 + x^12 + x^10 + x^9 + x^5 + x + 1
x^45 + x^44 + x^43 + x^39 + x^37 + x^36 + x^35 + x^33 + x^32 + x^31 + x^30 +
x^28 + x^27 + x^26 + x^19 + x^18 + x^17 + x^15 +
    x^14 + x^11 + x^8 + x^7 + x^3 + x^2 + 1

90
88
2
x^2 + x + 1
1
x^45 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^30 +
x^29 + x^28 + x^27 + x^26 + x^24 + x^22 + x^19 +
    x^17 + x^14 + x^13 + x^11 + x^10 + x^8 + x^7 + x^4 + x^3 + x^2 + 1
x^45 + x^42 + x^41 + x^40 + x^37 + x^36 + x^34 + x^32 + x^30 + x^28 + x^26 +
x^25 + x^22 + x^16 + x^13 + x^10 + x^8 + x^6 +
    x^5 + x^3 + x^2 + x + 1

90
89
2
x + 1
1
x^45 + x^44 + x^43 + x^42 + x^39 + x^36 + x^33 + x^31 + x^30 + x^29 + x^27 +
x^25 + x^24 + x^22 + x^20 + x^19 + x^18 + x^16 +
    x^12 + x^9 + x^2 + x + 1
x^45 + x^44 + x^42 + x^41 + x^39 + x^37 + x^36 + x^34 + x^33 + x^32 + x^31 +
x^29 + x^27 + x^21 + x^15 + x^14 + x^12 + x^10 +
    x^9 + x^8 + x^4 + x^3 + 1

92
24
26
x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 +
    x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 +
x^24 +
    x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 +
x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^23 + x^22 + x^21 + x^20 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^5 + x^4
+
    x + 1
x^46 + x^45 + x^42 + x^41 + x^39 + x^38 + x^36 + x^33 + x^32 + x^30 + x^28 +
    x^26 + x^25 + x^23 + x^22 + x^20 + x^19 + x^17 + x^14 + x^8 + x^7 + x^6 +
    x^5 + x^4 + x^2 + x + 1
x^46 + x^44 + x^43 + x^42 + x^41 + x^38 + x^34 + x^33 + x^32 + x^31 + x^30 +
    x^29 + x^25 + x^24 + x^23 + x^22 + x^17 + x^14 + x^13 + x^12 + x^10 + x^9
+

```
    x^6 + x^5 + x^4 + x^2 + 1
----------------------
92
25
26
x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 +
    x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 +
x^24 +
    x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 +
x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^22 + x^18 + x^14 + x^12 + x^10 + x^2 + 1
x^46 + x^45 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^36 + x^31 + x^30 +
    x^29 + x^25 + x^22 + x^19 + x^18 + x^17 + x^16 + x^15 + x^13 + x^12 +
x^10 +
    x^9 + x^8 + x^7 + x + 1
x^46 + x^44 + x^42 + x^41 + x^38 + x^36 + x^35 + x^34 + x^32 + x^30 + x^28 +
    x^27 + x^22 + x^21 + x^17 + x^15 + x^10 + x^9 + 1
----------------------
92
47
14
x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 +
    x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 +
x^24 +
    x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 +
x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^46 + x^43 + x^42 + x^38 + x^37 + x^36 + x^35 + x^34 + x^31 + x^29 + x^25 +
    x^24 + x^22 + x^21 + x^18 + x^14 + x^13 + x^11 + x^9 + x^8 + x^3 + x^2 + 1
x^46 + x^44 + x^43 + x^41 + x^38 + x^34 + x^29 + x^26 + x^25 + x^23 + x^22 +
    x^21 + x^16 + x^15 + x^11 + x^6 + x^4 + x + 1
----------------------
92
48
14
x^44 + x^42 + x^40 + x^38 + x^36 + x^34 + x^32 + x^30 + x^28 + x^26 + x^24 +
    x^22 + x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^8 + x^6 + x^4 + x^2 + 1
1
x^46 + x^44 + x^43 + x^41 + x^40 + x^39 + x^37 + x^36 + x^35 + x^32 + x^30 +
    x^28 + x^27 + x^26 + x^25 + x^22 + x^14 + x^12 + x^11 + x^9 + x^7 + x^5 +
    x^3 + x + 1
x^46 + x^44 + x^42 + x^41 + x^40 + x^39 + x^37 + x^31 + x^29 + x^28 + x^25 +
    x^23 + x^21 + x^20 + x^18 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^9
+
    x^8 + x^6 + x^4 + x + 1
----------------------
92
55
12
x^35 + x^33 + x^30 + x^27 + x^26 + x^25 + x^24 + x^23 + x^12 + x^10 + x^7 +
x^4
    + x^3 + x^2 + x + 1
x^2 + 1
x^46 + x^45 + x^44 + x^43 + x^42 + x^39 + x^36 + x^33 + x^30 + x^29 + x^25 +
    x^22 + x^21 + x^19 + x^13 + x^10 + x^9 + x^8 + x^6 + x^4 + 1
```

```
x^46 + x^45 + x^43 + x^41 + x^40 + x^35 + x^32 + x^30 + x^27 + x^25 + x^24 +
    x^23 + x^22 + x^21 + x^20 + x^18 + x^16 + x^10 + x^7 + x^3 + 1
------------------------
92
66
8
x^24 + x^20 + x^14 + x^8 + x^6 + x^4 + x^2 + 1
x^2 + 1
x^46 + x^45 + x^43 + x^42 + x^41 + x^39 + x^38 + x^35 + x^34 + x^33 + x^32 +
    x^29 + x^28 + x^25 + x^23 + x^22 + x^20 + x^15 + x^14 + x^11 + x^8 + x^7
+
    x^6 + x^4 + 1
x^46 + x^45 + x^43 + x^41 + x^34 + x^33 + x^31 + x^28 + x^27 + x^26 + x^25 +
    x^24 + x^22 + x^18 + x^17 + x^16 + x^15 + x^13 + x^12 + x^10 + x^6 + x^5
+
    x^4 + x + 1
------------------------
92
67
8
x^24 + x^20 + x^14 + x^8 + x^6 + x^4 + x^2 + 1
x + 1
x^46 + x^45 + x^43 + x^39 + x^37 + x^29 + x^28 + x^26 + x^25 + x^24 + x^22 +
    x^21 + x^19 + x^18 + x^17 + x^16 + x^13 + x^12 + x^11 + x^10 + x^6 + x^5
+
    x^2 + x + 1
x^46 + x^43 + x^40 + x^39 + x^38 + x^37 + x^35 + x^34 + x^32 + x^31 + x^29 +
    x^28 + x^24 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
x^11 +
    x^10 + x^9 + x^8 + x^7 + 1
------------------------
92
68
8
x^24 + x^20 + x^14 + x^8 + x^6 + x^4 + x^2 + 1
1
x^46 + x^44 + x^43 + x^40 + x^38 + x^37 + x^33 + x^31 + x^30 + x^29 + x^26 +
    x^24 + x^23 + x^22 + x^18 + x^17 + x^15 + x^8 + x^6 + x^4 + x^2 + x + 1
x^46 + x^45 + x^41 + x^40 + x^39 + x^38 + x^36 + x^35 + x^34 + x^33 + x^32 +
    x^31 + x^23 + x^22 + x^21 + x^20 + x^18 + x^16 + x^15 + x^12 + x^9 + x^7
+
    x^5 + x^4 + x^3 + x + 1
------------------------
92
69
8
x^23 + x^22 + x^21 + x^20 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^5 + x^4
+
    x + 1
1
x^46 + x^43 + x^40 + x^38 + x^36 + x^35 + x^32 + x^29 + x^27 + x^26 + x^24 +
    x^22 + x^20 + x^19 + x^18 + x^4 + 1
x^46 + x^45 + x^44 + x^41 + x^39 + x^38 + x^33 + x^32 + x^30 + x^29 + x^27 +
    x^26 + x^22 + x^16 + x^15 + x^13 + x^12 + x^7 + x^5 + x^2 + 1
------------------------
92
79
```

4
x^13 + x^12 + x^11 + x^10 + x^8 + x^7 + x^5 + 1
1
x^46 + x^44 + x^42 + x^40 + x^35 + x^33 + x^30 + x^29 + x^26 + x^25 + x^21 +
    x^19 + x^18 + x^16 + x^15 + x^14 + x^11 + x^7 + x^5 + x^4 + x^3 + x + 1
x^46 + x^45 + x^39 + x^37 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^26 +
    x^25 + x^22 + x^21 + x^18 + x^17 + x^14 + x^13 + x^7 + x + 1

92
90
2
x^2 + 1
1
x^46 + x^45 + x^44 + x^43 + x^39 + x^38 + x^35 + x^33 + x^31 + x^30 + x^29 +
    x^27 + x^23 + x^22 + x^17 + x^16 + x^13 + x^10 + x^9 + x^6 + x^3 + x + 1
x^46 + x^45 + x^44 + x^43 + x^41 + x^38 + x^37 + x^35 + x^34 + x^33 + x^32 +
    x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 + x^16 +
x^15 +
    x^14 + x^8 + x^7 + x^6 + x^3 + x + 1

92
91
2
x + 1
1
x^46 + x^45 + x^40 + x^38 + x^36 + x^35 + x^34 + x^32 + x^27 + x^26 + x^24 +
    x^23 + x^20 + x^19 + x^18 + x^16 + x^15 + x^14 + x^10 + x^4 + x^3 + x + 1
x^46 + x^38 + x^37 + x^36 + x^30 + x^27 + x^23 + x^22 + x^20 + x^19 + x^17 +
    x^16 + x^14 + x^13 + x^11 + x^9 + x^8 + x^6 + x^4 + x^2 + 1

94
25
26
x^46 + x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 +
    x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 +
x^25 +
    x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
x^14 +
    x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
+
    x + 1
x^23 + x^19 + x^18 + x^14 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^5 + x^3
+
    x^2 + x + 1
x^47 + x^46 + x^45 + x^44 + x^43 + x^40 + x^37 + x^32 + x^27 + x^26 + x^25 +
    x^24 + x^23 + x^22 + x^21 + x^19 + x^18 + x^17 + x^15 + x^12 + x^7 + x^6
+
    x^5 + x^4 + x^3 + x + 1
x^47 + x^46 + x^45 + x^43 + x^42 + x^40 + x^35 + x^32 + x^30 + x^27 + x^26 +
    x^24 + x^23 + x^17 + x^16 + x^14 + x^13 + x^12 + x^10 + x^7 + x^5 + x^2 +
1

94
48
15
x^46 + x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 +

x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 +
x^25 +
    x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 +
x^14 +
    x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2
+
    x + 1
1
x^47 + x^46 + x^45 + x^44 + x^40 + x^39 + x^37 + x^36 + x^35 + x^34 + x^33 +
    x^30 + x^29 + x^28 + x^26 + x^24 + x^22 + x^21 + x^14 + x^13 + x^6 + x^4
+
    x^3 + x + 1
x^47 + x^46 + x^45 + x^44 + x^43 + x^42 + x^40 + x^39 + x^38 + x^35 + x^33 +
    x^32 + x^30 + x^28 + x^23 + x^17 + x^14 + x^13 + x^12 + x^9 + x^3 + x + 1

94
69
8
x^24 + x^20 + x^19 + x^16 + x^15 + x^13 + x^12 + x^9 + x^6 + x^4 + x + 1
x + 1
x^47 + x^45 + x^44 + x^43 + x^42 + x^39 + x^38 + x^36 + x^34 + x^33 + x^32 +
x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 +
    x^21 + x^20 + x^19 + x^16 + x^15 + x^11 + x^10 + x^8 + x^7 + x^6 + x^5 +
x^3 + x^2 + x + 1
x^47 + x^45 + x^44 + x^42 + x^41 + x^39 + x^35 + x^34 + x^33 + x^32 + x^31 +
x^30 + x^29 + x^25 + x^24 + x^21 + x^20 + x^19 +
    x^17 + x^12 + x^10 + x^7 + x^6 + x^5 + 1

94
70
8
x^24 + x^20 + x^19 + x^16 + x^15 + x^13 + x^12 + x^9 + x^6 + x^4 + x + 1
1
x^47 + x^46 + x^44 + x^43 + x^42 + x^40 + x^39 + x^38 + x^35 + x^33 + x^29 +
x^28 + x^27 + x^25 + x^24 + x^22 + x^20 + x^19 +
    x^17 + x^16 + x^14 + x^11 + x^10 + x^9 + x^8 + x^5 + x^3 + x^2 + 1
x^47 + x^46 + x^45 + x^44 + x^39 + x^38 + x^37 + x^35 + x^29 + x^28 + x^27 +
x^26 + x^24 + x^23 + x^21 + x^17 + x^16 + x^14 +
    x^11 + x^8 + x^6 + x^5 + x^4 + x^3 + 1

94
93
2
x + 1
1
x^47 + x^46 + x^43 + x^36 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 +
x^23 + x^22 + x^21 + x^15 + x^13 + x^10 + x^9 +
    x^6 + x^5 + x^4 + x + 1
x^47 + x^46 + x^44 + x^42 + x^40 + x^39 + x^36 + x^30 + x^28 + x^27 + x^26 +
x^25 + x^24 + x^23 + x^18 + x^7 + x^4 + x + 1

96
36
20
x^47 + x^46 + x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 +
    x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 +
x^26 +

```
    x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 +
x^15 +
    x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
x^3 +
    x^2 + x + 1
x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1
x^48 + x^47 + x^45 + x^44 + x^42 + x^41 + x^40 + x^38 + x^37 + x^28 + x^25 +
    x^23 + x^20 + x^19 + x^15 + x^14 + x^12 + x^11 + x^9 + x^6 + 1
x^48 + x^47 + x^46 + x^45 + x^42 + x^41 + x^40 + x^38 + x^36 + x^35 + x^34 +
    x^32 + x^31 + x^29 + x^28 + x^26 + x^25 + x^24 + x^23 + x^21 + x^20 +
x^18 +
    x^16 + x^13 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^2 + x + 1

----------------------
96
37
20
x^47 + x^46 + x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 +
    x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 +
x^26 +
    x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 + x^18 + x^17 + x^16 +
x^15 +
    x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 +
x^3 +
    x^2 + x + 1
x^12 + x^11 + x^9 + x^8 + x^4 + x^3 + x + 1
x^48 + x^46 + x^45 + x^42 + x^37 + x^36 + x^35 + x^33 + x^29 + x^28 + x^26 +
    x^25 + x^24 + x^23 + x^21 + x^20 + x^18 + x^17 + x^16 + x^15 + x^14 +
x^12 +
    x^10 + x^9 + x^8 + x^7 + x^5 + x + 1
x^48 + x^47 + x^45 + x^42 + x^41 + x^40 + x^39 + x^36 + x^33 + x^31 + x^30 +
    x^29 + x^24 + x^23 + x^20 + x^19 + x^17 + x^12 + x^11 + x^10 + x^8 + x^7
+
    x^6 + x^5 + x^4 + x^2 + 1
----------------------
96
38
20
x^47 + x^46 + x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 +
x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 +
    x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^11 + x^8 + x^3 + 1
x^48 + x^46 + x^44 + x^41 + x^39 + x^38 + x^35 + x^34 + x^30 + x^28 + x^26 +
x^22 + x^20 + x^19 + x^16 + x^15 + x^12 + x^11 +
    x^5 + x + 1
x^48 + x^44 + x^38 + x^36 + x^34 + x^32 + x^31 + x^29 + x^28 + x^26 + x^24 +
x^21 + x^19 + x^17 + x^16 + x^12 + x^10 + x^8 +
    x^4 + x^2 + 1
----------------------
96
48
16
x^47 + x^46 + x^45 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 +
x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 +
```

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    x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 +
x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x + 1
x^48 + x^45 + x^44 + x^43 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^33 +
x^32 + x^30 + x^29 + x^26 + x^25 + x^24 + x^22 +
    x^21 + x^17 + x^16 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^5 + x^4 +
x^3 + 1
x^48 + x^47 + x^45 + x^42 + x^41 + x^39 + x^38 + x^37 + x^36 + x^35 + x^32 +
x^31 + x^26 + x^25 + x^24 + x^23 + x^20 + x^17 +
    x^12 + x^11 + x^10 + x^9 + x^6 + x^5 + x^4 + x + 1
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```

96
50
14
```
x^46 + x^45 + x^43 + x^42 + x^40 + x^39 + x^37 + x^36 + x^34 + x^33 + x^31 +
x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 +
    x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 +
x^3 + x + 1
1
x^48 + x^47 + x^45 + x^44 + x^42 + x^37 + x^30 + x^27 + x^25 + x^24 + x^23 +
x^19 + x^18 + x^15 + x^14 + x^12 + x^11 + x^9 +
    x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^48 + x^46 + x^45 + x^43 + x^39 + x^38 + x^37 + x^35 + x^33 + x^32 + x^31 +
x^26 + x^25 + x^24 + x^20 + x^19 + x^14 + x^13 +
    x^11 + x^8 + x^7 + x^6 + x^4 + x^3 + 1
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```
96
51
14
```
x^45 + x^44 + x^41 + x^40 + x^37 + x^36 + x^33 + x^32 + x^29 + x^28 + x^25 +
x^24 + x^21 + x^20 + x^17 + x^16 + x^13 + x^12 +
    x^9 + x^8 + x^5 + x^4 + x + 1
1
x^48 + x^47 + x^44 + x^38 + x^36 + x^33 + x^32 + x^31 + x^28 + x^25 + x^24 +
x^23 + x^20 + x^16 + x^12 + x^8 + x^3 + x^2 + 1
x^48 + x^46 + x^45 + x^44 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^35 +
x^33 + x^29 + x^28 + x^25 + x^24 + x^15 + x^14 +
    x^9 + x^8 + x^6 + x^2 + 1
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```
96
52
14
```
x^44 + x^43 + x^42 + x^38 + x^37 + x^36 + x^32 + x^31 + x^30 + x^26 + x^25 +
x^24 + x^20 + x^19 + x^18 + x^14 + x^13 + x^12 +
    x^8 + x^7 + x^6 + x^2 + x + 1
1
x^48 + x^45 + x^42 + x^38 + x^37 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 +
x^23 + x^22 + x^21 + x^20 + x^17 + x^16 + x^15 +
    x^14 + x^12 + x^11 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + 1
x^48 + x^47 + x^42 + x^41 + x^39 + x^38 + x^37 + x^35 + x^32 + x^31 + x^29 +
x^28 + x^25 + x^24 + x^21 + x^19 + x^17 + x^16 +
    x^12 + x^10 + x^9 + x^8 + x^7 + x^3 + 1
----------------------
```
96
56

12
x^40 + x^39 + x^38 + x^36 + x^35 + x^33 + x^31 + x^29 + x^28 + x^26 + x^25 +
x^24 + x^16 + x^15 + x^14 + x^12 + x^11 + x^9 +
    x^7 + x^5 + x^4 + x^2 + x + 1
1
x^48 + x^46 + x^44 + x^41 + x^34 + x^33 + x^32 + x^31 + x^29 + x^28 + x^25 +
x^24 + x^23 + x^20 + x^18 + x^17 + x^16 + x^14 +
    x^11 + x^9 + x^8 + x^5 + 1
x^48 + x^47 + x^46 + x^43 + x^42 + x^40 + x^39 + x^38 + x^37 + x^36 + x^34 +
x^33 + x^31 + x^30 + x^28 + x^26 + x^22 + x^20 +
    x^18 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^9 + x^8 + x^4 + x^2 +
x + 1

96
57
12
x^39 + x^37 + x^36 + x^34 + x^33 + x^30 + x^29 + x^27 + x^26 + x^24 + x^15 +
x^13 + x^12 + x^10 + x^9 + x^6 + x^5 + x^3 + x^2
    + 1
1
x^48 + x^47 + x^44 + x^43 + x^42 + x^38 + x^35 + x^34 + x^33 + x^32 + x^31 +
x^28 + x^27 + x^25 + x^24 + x^22 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^11 + x^10 + x^8 + x^7 + x^6 + 1
x^48 + x^47 + x^46 + x^45 + x^44 + x^41 + x^35 + x^34 + x^29 + x^28 + x^26 +
x^22 + x^21 + x^15 + x^14 + x^13 + x^9 + x^8 +
    x^6 + x^3 + 1

96
83
4
x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^48 + x^46 + x^40 + x^39 + x^34 + x^32 + x^31 + x^28 + x^24 + x^22 + x^19 +
x^18 + x^17 + x^14 + x^12 + x^11 + x^8 + x^6 +
    x^4 + x^2 + 1
x^48 + x^47 + x^43 + x^42 + x^40 + x^39 + x^38 + x^36 + x^35 + x^32 + x^31 +
x^28 + x^26 + x^23 + x^22 + x^21 + x^19 + x^15 +
    x^14 + x^13 + x^12 + x^10 + x^7 + x^4 + x^2 + x + 1

96
84
4
x^12 + x^11 + x^9 + x^8 + x^4 + x^3 + x + 1
1
x^48 + x^46 + x^45 + x^44 + x^41 + x^40 + x^38 + x^37 + x^36 + x^35 + x^34 +
x^32 + x^30 + x^28 + x^25 + x^24 + x^23 + x^21 +
    x^19 + x^15 + x^13 + x^11 + x^10 + x^8 + x^7 + x^4 + 1
x^48 + x^47 + x^46 + x^44 + x^39 + x^38 + x^35 + x^32 + x^30 + x^28 + x^26 +
x^24 + x^22 + x^21 + x^20 + x^18 + x^15 + x^13 +
    x^12 + x^9 + x^8 + x^4 + 1

96
85
4
x^11 + x^8 + x^3 + 1
1
x^48 + x^47 + x^46 + x^45 + x^44 + x^43 + x^41 + x^39 + x^37 + x^35 + x^34 +

```
x^31 + x^27 + x^24 + x^23 + x^21 + x^15 + x^14 +
    x^13 + x^6 + x^4 + x^3 + x^2 + x + 1
x^48 + x^47 + x^46 + x^44 + x^42 + x^41 + x^39 + x^38 + x^34 + x^31 + x^29 +
x^27 + x^26 + x^25 + x^23 + x^22 + x^21 + x^20 +
    x^18 + x^16 + x^14 + x^9 + x^8 + x^7 + x^6 + x^3 + 1
-----------------------
96
90
2
x^6 + x^4 + x^2 + 1
1
x^48 + x^46 + x^45 + x^43 + x^41 + x^40 + x^39 + x^37 + x^36 + x^34 + x^33 +
x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^23 +
    x^22 + x^21 + x^15 + x^14 + x^11 + x^10 + x^8 + x^6 + x^5 + x + 1
x^48 + x^46 + x^45 + x^42 + x^41 + x^40 + x^38 + x^37 + x^36 + x^35 + x^30 +
x^28 + x^24 + x^20 + x^19 + x^15 + x^14 + x^13 +
    x^12 + x^11 + x^9 + x^6 + x^4 + x^3 + 1
-----------------------
96
91
2
x^5 + x^4 + x + 1
1
x^48 + x^45 + x^42 + x^38 + x^37 + x^34 + x^31 + x^30 + x^29 + x^28 + x^25 +
x^24 + x^23 + x^20 + x^18 + x^16 + x^13 + x^10 +
    x^9 + x^7 + x^6 + x^4 + 1
x^48 + x^47 + x^46 + x^44 + x^40 + x^38 + x^27 + x^26 + x^25 + x^23 + x^22 +
x^19 + x^18 + x^17 + x^16 + x^13 + x^9 + x^8 +
    x^4 + x^3 + 1
-----------------------
96
92
2
x^4 + 1
1
x^48 + x^47 + x^45 + x^42 + x^39 + x^37 + x^36 + x^34 + x^33 + x^32 + x^31 +
x^29 + x^26 + x^24 + x^23 + x^21 + x^20 + x^19 +
    x^18 + x^9 + x^8 + x^7 + x^6 + x^5 + 1
x^48 + x^45 + x^43 + x^40 + x^38 + x^37 + x^36 + x^35 + x^33 + x^32 + x^31 +
x^30 + x^29 + x^26 + x^25 + x^22 + x^21 + x^19 +
    x^18 + x^14 + x^9 + x^8 + x^7 + x^5 + x^4 + x^3 + 1
-----------------------
96
93
2
x^3 + x^2 + x + 1
1
x^48 + x^47 + x^46 + x^41 + x^39 + x^37 + x^35 + x^34 + x^33 + x^30 + x^27 +
x^23 + x^22 + x^21 + x^16 + x^15 + x^14 + x^13 +
    x^11 + x^9 + x^8 + x^7 + x^4 + x^3 + 1
x^48 + x^45 + x^42 + x^39 + x^34 + x^30 + x^29 + x^22 + x^19 + x^17 + x^16 +
x^15 + x^14 + x^9 + x^8 + x^6 + x^5 + x^4 + x^3
    + x + 1
-----------------------
96
94
2
```

```
x^2 + 1
1
x^48 + x^47 + x^46 + x^44 + x^42 + x^41 + x^40 + x^38 + x^37 + x^31 + x^24 +
x^23 + x^22 + x^21 + x^16 + x^12 + x^11 + x^9 +
    x^4 + x + 1
x^48 + x^47 + x^46 + x^45 + x^43 + x^39 + x^38 + x^36 + x^33 + x^31 + x^27 +
x^23 + x^21 + x^20 + x^14 + x^13 + x^12 + x^11 +
    x^10 + x^6 + x^5 + x^2 + 1
----------------------
96
95
2
x + 1
1
x^48 + x^47 + x^46 + x^44 + x^42 + x^41 + x^40 + x^32 + x^26 + x^24 + x^23 +
x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^13 +
    x^12 + x^9 + x^6 + x^5 + x^4 + x^3 + 1
x^48 + x^46 + x^45 + x^44 + x^43 + x^41 + x^38 + x^36 + x^35 + x^34 + x^33 +
x^30 + x^27 + x^25 + x^24 + x^22 + x^20 + x^19 +
    x^18 + x^17 + x^16 + x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 +
x^4 + 1
----------------------
98
52
14
x^46 + x^45 + x^44 + x^42 + x^39 + x^38 + x^37 + x^35 + x^32 + x^31 + x^30 +
x^28 + x^25 + x^24 + x^23 + x^21 + x^18 + x^17 +
    x^16 + x^14 + x^11 + x^10 + x^9 + x^7 + x^4 + x^3 + x^2 + 1
1
x^49 + x^48 + x^45 + x^43 + x^42 + x^40 + x^38 + x^37 + x^36 + x^35 + x^33 +
x^20 + x^19 + x^17 + x^13 + x^10 + x^8 + x^6 +
    x^5 + x^3 + x^2 + x + 1
x^49 + x^46 + x^43 + x^42 + x^37 + x^35 + x^34 + x^33 + x^30 + x^28 + x^27 +
x^26 + x^24 + x^23 + x^20 + x^17 + x^16 + x^14 +
    x^13 + x^12 + x^10 + x^8 + 1
----------------------
98
54
14
x^43 + x^42 + x^36 + x^35 + x^29 + x^28 + x^22 + x^21 + x^15 + x^14 + x^8 +
x^7 + x + 1
x + 1
x^49 + x^48 + x^43 + x^41 + x^40 + x^37 + x^36 + x^34 + x^33 + x^30 + x^26 +
x^23 + x^19 + x^18 + x^17 + x^15 + x^14 + x^11 +
    x^10 + x^7 + x^6 + x^4 + x^2 + x + 1
x^49 + x^48 + x^46 + x^44 + x^43 + x^41 + x^39 + x^38 + x^33 + x^32 + x^31 +
x^29 + x^25 + x^22 + x^19 + x^16 + x^15 + x^13 +
    x^12 + x^11 + x^10 + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + x + 1
----------------------
98
92
2
x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
1
x^49 + x^47 + x^46 + x^43 + x^42 + x^41 + x^36 + x^29 + x^27 + x^26 + x^23 +
x^22 + x^21 + x^19 + x^16 + x^11 + x^10 + x^8 +
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    x^7 + x^6 + x^5 + x^4 + x^2 + x + 1
x^49 + x^48 + x^47 + x^45 + x^44 + x^42 + x^39 + x^35 + x^34 + x^33 + x^32 +
x^28 + x^27 + x^23 + x^20 + x^19 + x^18 + x^15 +
    x^13 + x^12 + x^10 + x^6 + x^4 + x + 1
-----------------------
98
94
2
x^4 + x^2 + x + 1
1
x^49 + x^47 + x^44 + x^36 + x^35 + x^33 + x^31 + x^29 + x^27 + x^26 + x^25 +
x^22 + x^20 + x^14 + x^13 + x^12 + x^11 + x^10 +
    x^8 + x^7 + x^3 + x^2 + 1
x^49 + x^48 + x^47 + x^46 + x^42 + x^37 + x^36 + x^32 + x^27 + x^24 + x^22 +
x^18 + x^15 + x^10 + x^6 + x^2 + 1
-----------------------
98
95
2
x^3 + x + 1
1
x^49 + x^48 + x^46 + x^45 + x^44 + x^43 + x^38 + x^37 + x^36 + x^34 + x^33 +
x^30 + x^29 + x^25 + x^24 + x^23 + x^22 + x^19 +
    x^17 + x^16 + x^15 + x^12 + x^10 + x^4 + x^2 + x + 1
x^49 + x^47 + x^45 + x^44 + x^42 + x^41 + x^34 + x^31 + x^30 + x^29 + x^25 +
x^24 + x^16 + x^15 + x^13 + x^11 + x^10 + x^9 +
    x^8 + x^6 + x^5 + x^4 + x^2 + x + 1
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98
97
2
x + 1
1
x^49 + x^48 + x^47 + x^46 + x^45 + x^43 + x^39 + x^38 + x^35 + x^34 + x^32 +
x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 +
    x^23 + x^20 + x^19 + x^16 + x^14 + x^13 + x^8 + x^6 + x^4 + x + 1
x^49 + x^43 + x^39 + x^38 + x^37 + x^35 + x^34 + x^31 + x^29 + x^28 + x^27 +
x^25 + x^22 + x^21 + x^16 + x^12 + x^10 + x^9 +
    x^6 + x^5 + x^3 + x^2 + 1
-----------------------
100
53
14
x^46 + x^45 + x^41 + x^40 + x^36 + x^35 + x^31 + x^30 + x^26 + x^25 + x^21 +
x^20 + x^16 + x^15 + x^11 + x^10 + x^6 + x^5 + x
    + 1
x + 1
x^50 + x^46 + x^37 + x^36 + x^34 + x^32 + x^31 + x^30 + x^29 + x^28 + x^25 +
x^22 + x^21 + x^20 + x^19 + x^18 + x^16 + x^15 +
    x^14 + x^13 + x^12 + x^10 + x^6 + x^5 + x^4 + x^3 + 1
x^50 + x^48 + x^47 + x^46 + x^45 + x^40 + x^38 + x^35 + x^34 + x^31 + x^29 +
x^28 + x^27 + x^24 + x^23 + x^21 + x^20 + x^15 +
    x^14 + x^13 + x^12 + x^10 + x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + x^2 + x +
1
-----------------------
100
54
```

14
x^46 + x^45 + x^41 + x^40 + x^36 + x^35 + x^31 + x^30 + x^26 + x^25 + x^21 +
x^20 + x^16 + x^15 + x^11 + x^10 + x^6 + x^5 + x
    + 1
1
x^50 + x^47 + x^43 + x^39 + x^37 + x^36 + x^35 + x^34 + x^33 + x^30 + x^29 +
x^26 + x^24 + x^21 + x^20 + x^17 + x^16 + x^14 +
    x^13 + x^11 + x^10 + x^9 + x^5 + x + 1
x^50 + x^49 + x^47 + x^46 + x^44 + x^41 + x^39 + x^35 + x^34 + x^32 + x^31 +
x^30 + x^28 + x^27 + x^26 + x^22 + x^20 + x^19 +
    x^17 + x^16 + x^15 + x^13 + x^12 + x^9 + x^7 + x^6 + x^5 + x + 1

100
94
2
x^6 + x^5 + x + 1
1
x^50 + x^49 + x^48 + x^46 + x^45 + x^43 + x^41 + x^40 + x^35 + x^34 + x^33 +
x^32 + x^29 + x^27 + x^25 + x^21 + x^20 + x^17 +
    x^13 + x^12 + x^11 + x^10 + x^5 + x^2 + 1
x^50 + x^44 + x^41 + x^37 + x^36 + x^35 + x^29 + x^27 + x^26 + x^24 + x^23 +
x^20 + x^19 + x^18 + x^10 + x^3 + 1

100
95
2
x^5 + 1
1
x^50 + x^49 + x^47 + x^46 + x^43 + x^42 + x^38 + x^36 + x^34 + x^32 + x^31 +
x^30 + x^27 + x^25 + x^24 + x^23 + x^21 + x^16 +
    x^15 + x^13 + x^12 + x^11 + x^10 + x^6 + x^2 + x + 1
x^50 + x^49 + x^47 + x^42 + x^41 + x^40 + x^39 + x^35 + x^34 + x^31 + x^29 +
x^23 + x^22 + x^20 + x^18 + x^15 + x^13 + x^10 +
    x^9 + x^8 + x^7 + x^5 + x^4 + x + 1

100
96
2
x^4 + x^3 + x^2 + x + 1
1
x^50 + x^49 + x^48 + x^47 + x^45 + x^43 + x^42 + x^41 + x^39 + x^38 + x^37 +
x^36 + x^35 + x^31 + x^29 + x^27 + x^25 + x^24 +
    x^22 + x^21 + x^17 + x^15 + x^14 + x^13 + x^10 + x^5 + 1
x^50 + x^49 + x^46 + x^45 + x^42 + x^41 + x^40 + x^37 + x^36 + x^35 + x^32 +
x^31 + x^29 + x^27 + x^25 + x^24 + x^22 + x^20 +
    x^19 + x^18 + x^16 + x^13 + x^11 + x^9 + x^8 + x^6 + x^5 + x + 1

100
98
2
x^2 + 1
1
x^50 + x^49 + x^45 + x^44 + x^43 + x^42 + x^38 + x^32 + x^31 + x^28 + x^27 +
x^26 + x^25 + x^24 + x^22 + x^21 + x^19 + x^15 +
    x^14 + x^13 + x^11 + x^9 + x^7 + x^4 + x^2 + x + 1
x^50 + x^49 + x^48 + x^43 + x^40 + x^36 + x^34 + x^32 + x^31 + x^29 + x^26 +
x^25 + x^23 + x^22 + x^21 + x^19 + x^17 + x^16 +

100
99
2
x + 1
1
$x^{50} + x^{48} + x^{46} + x^{45} + x^{43} + x^{40} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{30} + x^{29} + x^{24} + x^{20} + x^{17} + x^{14} + x^{13} + x^{12} + x^{10} + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1$
$x^{50} + x^{48} + x^{46} + x^{45} + x^{39} + x^{38} + x^{37} + x^{34} + x^{33} + x^{32} + x^{29} + x^{25} + x^{21} + x^{17} + x^{16} + x^{14} + x^{12} + x^{11} + x^{10} + x^6 + x^5 + x^3 + 1$

102
9
48
$x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1$
$x^{43} + x^{42} + x^{41} + x^{37} + x^{36} + x^{33} + x^{30} + x^{29} + x^{27} + x^{26} + x^{25} + x^{22} + x^{21} + x^{20} + x^{19} + x^{17} + x^{16} + x^{13} + x^{12} + x^{10} + x^7 + x^5 + x^4 + 1$
$x^{51} + x^{49} + x^{48} + x^{46} + x^{45} + x^{44} + x^{42} + x^{41} + x^{39} + x^{38} + x^{37} + x^{35} + x^{32} + x^{31} + x^{30} + x^{29} + x^{27} + x^{26} + x^{24} + x^{22} + x^{21} + x^{19} + x^{16} + x^{13} + x^9 + x^6 + x^5 + x^4 + 1$
$x^{51} + x^{50} + x^{46} + x^{45} + x^{34} + x^{33} + x^{28} + x^{26} + x^{25} + x^{24} + x^{22} + x^{21} + x^{20} + x^{18} + x^{17} + x^{15} + x^{14} + x^{10} + x^8 + x^5 + x^4 + x^3 + x^2 + x + 1$

102
28
27
$x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{45} + x^{44} + x^{43} + x^{42} + x^{41} + x^{40} + x^{39} + x^{38} + x^{37} + x^{36} + x^{35} + x^{34} + x^{33} + x^{32} + x^{31} + x^{30} + x^{29} + x^{28} + x^{27} + x^{26} + x^{25} + x^{24} + x^{23} + x^{22} + x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{15} + x^{14} + x^{13} + x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1$
$x^{24} + x^{23} + x^{19} + x^{16} + x^{15} + x^{12} + x^{11} + x^9 + x^7 + x^4 + x^3 + x^2 + 1$
$x^{51} + x^{50} + x^{49} + x^{48} + x^{47} + x^{46} + x^{44} + x^{43} + x^{39} + x^{37} + x^{35} + x^{34} + x^{32} + x^{31} + x^{29} + x^{24} + x^{22} + x^{21} + x^{19} + x^{18} + x^{17} + x^{14} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^6 + x^4 + x^3 + 1$
$x^{51} + x^{49} + x^{48} + x^{45} + x^{44} + x^{40} + x^{38} + x^{37} + x^{33} + x^{32} + x^{23} + x^{21} + x^{20} + x^{19} + x^{18} + x^{17} + x^{16} + x^{13} + x^{12} + x^{11} + x^9 + x^5$

```
+
    x^4 + x + 1
-----------------------
102
42
20
x^50 + x^49 + x^48 + x^47 + x^46 + x^45 + x^44 + x^43 + x^42 + x^41 + x^40 +
    x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 + x^32 + x^31 + x^30 +
x^29 +
    x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^19 +
x^18 +
    x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^10 + x^9 + x^8 + x^7 +
    x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^10 + x^9 + x^8 + x^7 + x^5 + x^3 + x^2 + x + 1
x^51 + x^50 + x^49 + x^48 + x^47 + x^43 + x^42 + x^41 + x^39 + x^38 + x^37 +
    x^35 + x^33 + x^30 + x^26 + x^25 + x^18 + x^14 + x^13 + x^12 + x^11 + x^8
+
    x^6 + x^5 + x^2 + x + 1
x^51 + x^50 + x^48 + x^47 + x^46 + x^45 + x^43 + x^42 + x^41 + x^39 + x^38 +
    x^34 + x^33 + x^32 + x^30 + x^28 + x^27 + x^26 + x^24 + x^23 + x^22 +
x^21 +
    x^19 + x^15 + x^13 + x^12 + x^9 + x^7 + x^6 + x^5 + x^3 + x + 1
-----------------------
102
29
26
x^49 + x^48 + x^46 + x^45 + x^43 + x^42 + x^40 + x^39 + x^37 + x^36 + x^34 +
    x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
x^18 +
    x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^24 + x^23 + x^19 + x^16 + x^15 + x^12 + x^11 + x^9 + x^7 + x^4 + x^3 + x^2
+ 1
x^51 + x^49 + x^48 + x^47 + x^45 + x^44 + x^42 + x^40 + x^39 + x^38 + x^35 +
    x^34 + x^33 + x^32 + x^31 + x^29 + x^27 + x^25 + x^24 + x^23 + x^22 +
x^21 +
    x^20 + x^17 + x^13 + x^12 + x^8 + x^6 + x^5 + x^4 + x^2 + x + 1
x^51 + x^49 + x^47 + x^46 + x^44 + x^43 + x^42 + x^40 + x^39 + x^37 + x^33 +
    x^28 + x^27 + x^25 + x^23 + x^21 + x^20 + x^18 + x^16 + x^15 + x^11 +
x^10 +
    x^6 + x^3 + x^2 + x + 1
-----------------------
102
34
24
x^49 + x^48 + x^46 + x^45 + x^43 + x^42 + x^40 + x^39 + x^37 + x^36 + x^34 +
    x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
x^18 +
    x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^19 + x^18 + x^17 + x^15 + x^14 + x^13 + x^11 + x^10 + x^6 + x^4 + x^2 + 1
x^51 + x^49 + x^48 + x^45 + x^42 + x^39 + x^37 + x^34 + x^33 + x^31 + x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^13 + x^11 + x^10 + x^9 + x^6
+
    x^5 + x^3 + 1
x^51 + x^50 + x^49 + x^48 + x^44 + x^43 + x^42 + x^41 + x^40 + x^37 + x^36 +
    x^33 + x^31 + x^30 + x^28 + x^26 + x^21 + x^20 + x^18 + x^17 + x^16 +
x^15 +
    x^14 + x^10 + x^9 + x^7 + x^5 + x^4 + x^3 + x^2 + 1
```

```
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102
35
24
x^49 + x^48 + x^46 + x^45 + x^43 + x^42 + x^40 + x^39 + x^37 + x^36 + x^34 +
    x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
x^18 +
    x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
x^18 + x^13 + x^11 + x^8 + x^6 + x^2 + 1
x^51 + x^48 + x^45 + x^44 + x^43 + x^40 + x^39 + x^33 + x^32 + x^29 + x^27 +
    x^26 + x^25 + x^23 + x^18 + x^17 + x^16 + x^15 + x^11 + x^10 + x^8 + x^7
+
    x^6 + x^3 + 1
x^51 + x^49 + x^48 + x^47 + x^46 + x^45 + x^43 + x^42 + x^39 + x^36 + x^35 +
    x^32 + x^30 + x^29 + x^25 + x^23 + x^22 + x^19 + x^18 + x^17 + x^16 +
x^14 +
    x^12 + x^11 + x^10 + x^2 + 1
----------------------
102
53
16
x^49 + x^48 + x^46 + x^45 + x^43 + x^42 + x^40 + x^39 + x^37 + x^36 + x^34 +
    x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 + x^21 + x^19 +
x^18 +
    x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 + x^3 + x + 1
1
x^51 + x^47 + x^43 + x^39 + x^38 + x^37 + x^35 + x^34 + x^32 + x^30 + x^26 +
    x^25 + x^21 + x^19 + x^18 + x^17 + x^14 + x^13 + x^12 + x^9 + x^8 + x^6 +
    x^5 + x^4 + x^3 + x^2 + 1
x^51 + x^48 + x^47 + x^46 + x^45 + x^44 + x^42 + x^38 + x^36 + x^35 + x^33 +
    x^32 + x^30 + x^29 + x^26 + x^22 + x^21 + x^20 + x^18 + x^17 + x^13 + x^8
+
    x^7 + x^6 + x^4 + x + 1
----------------------
102
56
14
x^43 + x^42 + x^41 + x^37 + x^36 + x^33 + x^30 + x^29 + x^27 + x^26 + x^25 +
    x^22 + x^21 + x^20 + x^19 + x^17 + x^16 + x^13 + x^12 + x^10 + x^7 + x^5
+
    x^4 + 1
x^3 + 1
x^51 + x^46 + x^44 + x^43 + x^42 + x^41 + x^39 + x^38 + x^35 + x^33 + x^32 +
    x^30 + x^28 + x^26 + x^23 + x^21 + x^19 + x^18 + x^16 + x^12 + x^11 +
x^10 +
    x^8 + x^7 + x^6 + x^4 + x^2 + x + 1
x^51 + x^50 + x^48 + x^45 + x^38 + x^37 + x^34 + x^29 + x^27 + x^25 + x^23 +
    x^22 + x^21 + x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^9 + x^7 + x + 1
----------------------
102
57
14
x^43 + x^42 + x^41 + x^37 + x^36 + x^33 + x^30 + x^29 + x^27 + x^26 + x^25 +
    x^22 + x^21 + x^20 + x^19 + x^17 + x^16 + x^13 + x^12 + x^10 + x^7 + x^5
+
    x^4 + 1
x^2 + x + 1
```

```
x^51 + x^49 + x^46 + x^44 + x^43 + x^35 + x^34 + x^33 + x^31 + x^29 + x^28 +
    x^26 + x^25 + x^24 + x^21 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 +
x^11 +
    x^9 + x^8 + x^6 + x^4 + x^3 + x^2 + 1
x^51 + x^47 + x^46 + x^45 + x^40 + x^38 + x^36 + x^34 + x^33 + x^28 + x^27 +
    x^26 + x^24 + x^20 + x^13 + x^10 + x^8 + x^6 + x^5 + x^3 + 1
----------------------
104
54
16
x^50 + x^48 + x^46 + x^44 + x^42 + x^40 + x^38 + x^36 + x^34 + x^32 + x^30 +
    x^28 + x^26 + x^24 + x^22 + x^20 + x^18 + x^16 + x^14 + x^12 + x^10 + x^8
+
    x^6 + x^4 + x^2 + 1
1
x^52 + x^50 + x^49 + x^48 + x^47 + x^46 + x^44 + x^39 + x^38 + x^36 + x^35 +
    x^34 + x^33 + x^32 + x^31 + x^26 + x^22 + x^18 + x^13 + x^10 + x^8 + x^7
+
    x^6 + x^5 + x^3 + x + 1
x^52 + x^48 + x^47 + x^45 + x^42 + x^41 + x^39 + x^38 + x^36 + x^35 + x^34 +
    x^30 + x^28 + x^27 + x^23 + x^22 + x^21 + x^20 + x^17 + x^16 + x^13 +
x^10 +
    x^8 + x^6 + x^3 + x^2 + 1
----------------------
104
100
2
x^4 + 1
1
x^52 + x^48 + x^47 + x^43 + x^41 + x^40 + x^39 + x^38 + x^37 + x^34 + x^33 +
    x^31 + x^28 + x^27 + x^25 + x^24 + x^21 + x^20 + x^19 + x^18 + x^17 +
x^16 +
    x^14 + x^13 + x^12 + x^9 + x^8 + x^7 + x^6 + x^3 + 1
x^52 + x^50 + x^48 + x^47 + x^46 + x^45 + x^43 + x^42 + x^41 + x^40 + x^39 +
    x^38 + x^35 + x^34 + x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 +
x^22 +
    x^20 + x^18 + x^17 + x^14 + x^13 + x^11 + x^10 + x^7 + x^5 + x^4 + x^3 +
x^2
    + 1
----------------------
104
101
2
x^3 + x^2 + x + 1
1
x^52 + x^48 + x^46 + x^44 + x^42 + x^36 + x^34 + x^33 + x^29 + x^26 + x^23 +
    x^20 + x^16 + x^15 + x^14 + x^12 + x^11 + x^9 + x^7 + x^6 + x^5 + x^4 +
x^3
    + x + 1
x^52 + x^47 + x^46 + x^44 + x^43 + x^42 + x^41 + x^40 + x^39 + x^37 + x^33 +
    x^32 + x^31 + x^30 + x^29 + x^28 + x^26 + x^24 + x^23 + x^19 + x^16 +
x^14 +
    x^13 + x^12 + x^11 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
----------------------
104
102
2
```

```
x^2 + 1
1
x^52 + x^51 + x^50 + x^49 + x^48 + x^46 + x^43 + x^42 + x^41 + x^38 + x^35 +
    x^33 + x^30 + x^28 + x^21 + x^15 + x^13 + x^12 + x^11 + x^9 + x^8 + x^7 +
    x^5 + x^2 + 1
x^52 + x^50 + x^49 + x^47 + x^46 + x^45 + x^44 + x^43 + x^40 + x^37 + x^34 +
    x^33 + x^32 + x^30 + x^29 + x^26 + x^25 + x^24 + x^22 + x^20 + x^18 +
x^16 +
    x^15 + x^14 + x^13 + x^10 + x^9 + x^4 + x^2 + x + 1
----------------------
104
103
2
x + 1
1
x^52 + x^44 + x^43 + x^42 + x^40 + x^38 + x^37 + x^35 + x^34 + x^33 + x^32 +
    x^31 + x^30 + x^29 + x^25 + x^24 + x^23 + x^22 + x^21 + x^20 + x^15 +
x^14 +
    x^12 + x^11 + x^10 + x^9 + x^8 + x^6 + x^5 + x + 1
x^52 + x^47 + x^46 + x^45 + x^41 + x^39 + x^37 + x^35 + x^34 + x^33 + x^30 +
    x^27 + x^25 + x^24 + x^23 + x^22 + x^20 + x^19 + x^18 + x^14 + x^13 +
x^11 +
    x^9 + x^7 + x^6 + x^5 + x^4 + x^2 + 1
----------------------

106
105
2
x + 1
1
x^53 + x^52 + x^51 + x^50 + x^49 + x^47 + x^40 + x^39 + x^38 + x^37 + x^34 +
    x^33 + x^31 + x^29 + x^26 + x^24 + x^22 + x^20 + x^17 + x^16 + x^13 +
x^11 +
    x^8 + x + 1
x^53 + x^48 + x^47 + x^43 + x^42 + x^41 + x^39 + x^36 + x^33 + x^32 + x^28 +
    x^25 + x^23 + x^20 + x^19 + x^16 + x^13 + x^11 + x^9 + x^8 + x^4 + x^2 + 1
----------------------

108
47
20
x^53 + x^52 + x^51 + x^50 + x^49 + x^48 + x^47 + x^46 + x^45 + x^44 + x^43 +
    x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 + x^33 +
x^32 +
    x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 +
x^21 +
    x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 + x^11 +
x^10 +
    x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^8 + x^6 + x^5 + x^3 + x^2 + 1
x^54 + x^50 + x^48 + x^46 + x^44 + x^41 + x^38 + x^37 + x^32 + x^31 + x^28 +
    x^27 + x^24 + x^22 + x^21 + x^20 + x^19 + x^18 + x^16 + x^14 + x^11 + x^5
+
    x^4 + x^3 + x^2 + x + 1
x^54 + x^53 + x^51 + x^49 + x^48 + x^47 + x^45 + x^44 + x^41 + x^36 + x^33 +
    x^32 + x^29 + x^27 + x^26 + x^21 + x^20 + x^19 + x^16 + x^14 + x^13 +
x^11 +
```

```
    x^9 + x^8 + x^7 + x^6 + x^4 + x^3 + 1
-----------------------
108
46
20
x^52 + x^51 + x^49 + x^48 + x^46 + x^45 + x^43 + x^42 + x^40 + x^39 + x^37 +
    x^36 + x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 +
x^21 +
    x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 +
x^3
    + x + 1
x^10 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + 1
x^54 + x^50 + x^48 + x^46 + x^42 + x^40 + x^39 + x^35 + x^34 + x^33 + x^31 +
    x^29 + x^28 + x^20 + x^17 + x^14 + x^11 + x^10 + x^8 + x^6 + x^4 + x + 1
x^54 + x^52 + x^51 + x^49 + x^48 + x^47 + x^46 + x^42 + x^41 + x^40 + x^39 +
    x^36 + x^35 + x^30 + x^29 + x^18 + x^11 + x^10 + x^9 + x^8 + x^5 + x + 1
-----------------------
108
56
16
x^52 + x^51 + x^49 + x^48 + x^46 + x^45 + x^43 + x^42 + x^40 + x^39 + x^37 +
    x^36 + x^34 + x^33 + x^31 + x^30 + x^28 + x^27 + x^25 + x^24 + x^22 +
x^21 +
    x^19 + x^18 + x^16 + x^15 + x^13 + x^12 + x^10 + x^9 + x^7 + x^6 + x^4 +
x^3
    + x + 1
1
x^54 + x^53 + x^48 + x^47 + x^46 + x^44 + x^43 + x^42 + x^40 + x^39 + x^38 +
    x^36 + x^35 + x^33 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^15 + x^9
+
    x^8 + x^3 + 1
x^54 + x^52 + x^50 + x^48 + x^43 + x^42 + x^41 + x^40 + x^38 + x^36 + x^35 +
    x^33 + x^32 + x^30 + x^28 + x^26 + x^25 + x^24 + x^20 + x^17 + x^15 +
x^12 +
    x^11 + x^10 + x^8 + x^7 + x^4 + x + 1
-----------------------
108
57
16
x^51 + x^48 + x^45 + x^42 + x^39 + x^36 + x^33 + x^30 + x^27 + x^24 + x^21 +
    x^18 + x^15 + x^12 + x^9 + x^6 + x^3 + 1
1
x^54 + x^50 + x^49 + x^47 + x^45 + x^43 + x^42 + x^41 + x^39 + x^38 + x^36 +
    x^35 + x^33 + x^31 + x^30 + x^29 + x^27 + x^25 + x^20 + x^18 + x^16 +
x^11 +
    x^10 + x^8 + x^6 + x^4 + x^3 + x + 1
x^54 + x^53 + x^51 + x^50 + x^47 + x^46 + x^45 + x^44 + x^43 + x^39 + x^35 +
    x^34 + x^33 + x^31 + x^28 + x^26 + x^23 + x^21 + x^19 + x^15 + x^14 +
x^12 +
    x^10 + x^9 + x^8 + x^6 + x^4 + x^3 + x^2 + x + 1
-----------------------
110
21
36
x^54 + x^53 + x^52 + x^51 + x^50 + x^49 + x^48 + x^47 + x^46 + x^45 + x^44 +
    x^43 + x^42 + x^41 + x^40 + x^39 + x^38 + x^37 + x^36 + x^35 + x^34 +
x^33 +
```

```
    x^32 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^25 + x^24 + x^23 +
x^22 +
    x^21 + x^20 + x^19 + x^18 + x^17 + x^16 + x^15 + x^14 + x^13 + x^12 +
x^11 +
    x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1
x^35 + x^34 + x^32 + x^31 + x^30 + x^28 + x^27 + x^26 + x^24 + x^23 + x^20 +
    x^18 + x^14 + x^13 + x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 +
x^2 +
    1
x^55 + x^54 + x^53 + x^52 + x^50 + x^46 + x^45 + x^42 + x^41 + x^40 + x^39 +
    x^38 + x^36 + x^30 + x^27 + x^23 + x^21 + x^20 + x^19 + x^18 + x^14 +
x^11 +
    x^10 + x^7 + x^4 + x^2 + 1
x^55 + x^54 + x^53 + x^52 + x^49 + x^46 + x^45 + x^43 + x^42 + x^37 + x^35 +
    x^34 + x^33 + x^31 + x^30 + x^29 + x^26 + x^25 + x^24 + x^23 + x^22 +
x^18 +
    x^16 + x^15 + x^14 + x^13 + x^12 + x^11 + x^9 + x^8 + x^5 + x^4 + 1
-----------------------
110
58
16
x^51 + x^50 + x^46 + x^45 + x^41 + x^40 + x^36 + x^35 + x^31 + x^30 + x^26 +
    x^25 + x^21 + x^20 + x^16 + x^15 + x^11 + x^10 + x^6 + x^5 + x + 1
x + 1
x^55 + x^52 + x^51 + x^49 + x^48 + x^46 + x^45 + x^44 + x^42 + x^37 + x^36 +
    x^34 + x^30 + x^29 + x^28 + x^27 + x^26 + x^24 + x^23 + x^22 + x^21 +
x^19 +
    x^17 + x^16 + x^14 + x^12 + x^11 + x^8 + x^7 + x^5 + x^4 + x^2 + 1
x^55 + x^54 + x^52 + x^50 + x^47 + x^45 + x^44 + x^43 + x^41 + x^39 + x^38 +
    x^37 + x^36 + x^35 + x^34 + x^31 + x^29 + x^28 + x^23 + x^22 + x^21 +
x^19 +
    x^18 + x^17 + x^16 + x^12 + x^10 + x^9 + x^7 + x^6 + x^5 + x^3 + x^2 + x
+ 1
-----------------------
110
59
16
x^51 + x^50 + x^46 + x^45 + x^41 + x^40 + x^36 + x^35 + x^31 + x^30 + x^26 +
    x^25 + x^21 + x^20 + x^16 + x^15 + x^11 + x^10 + x^6 + x^5 + x + 1
1
x^55 + x^52 + x^51 + x^50 + x^48 + x^47 + x^42 + x^40 + x^39 + x^37 + x^35 +
    x^34 + x^33 + x^31 + x^30 + x^29 + x^28 + x^27 + x^26 + x^20 + x^17 +
x^16 +
    x^15 + x^13 + x^10 + x^9 + x^7 + x^5 + 1
x^55 + x^52 + x^51 + x^50 + x^49 + x^47 + x^44 + x^40 + x^36 + x^35 + x^33 +
    x^30 + x^28 + x^27 + x^22 + x^20 + x^19 + x^14 + x^12 + x^7 + x^6 + x^5 +
1
-----------------------
110
71
12
x^35 + x^34 + x^32 + x^31 + x^30 + x^28 + x^27 + x^26 + x^24 + x^23 + x^20 +
    x^18 + x^14 + x^13 + x^11 + x^10 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 +
x^2 +
    1
x^4 + x^3 + x^2 + x + 1
x^55 + x^54 + x^52 + x^49 + x^47 + x^45 + x^44 + x^43 + x^42 + x^41 + x^38 +
```

```
    x^37 + x^33 + x^31 + x^27 + x^26 + x^24 + x^23 + x^21 + x^19 + x^18 +
x^17 +
    x^16 + x^15 + x^12 + x^10 + x^9 + x^8 + x^6 + x + 1
x^55 + x^52 + x^46 + x^41 + x^40 + x^38 + x^36 + x^32 + x^30 + x^29 + x^28 +
    x^26 + x^24 + x^23 + x^21 + x^19 + x^17 + x^16 + x^13 + x^12 + x^7 + x^6
+
    x^5 + x^2 + 1
----------------------
110
85
8
x^25 + x^24 + x^23 + x^16 + x^15 + x^14 + x^10 + x^7 + x^6 + x^3 + x^2 + 1
1
x^55 + x^52 + x^51 + x^47 + x^45 + x^44 + x^40 + x^39 + x^38 + x^37 + x^35 +
    x^33 + x^32 + x^30 + x^28 + x^27 + x^26 + x^21 + x^20 + x^19 + x^17 +
x^15 +
    x^14 + x^12 + x^9 + x^7 + x^6 + x^2 + 1
x^55 + x^51 + x^48 + x^46 + x^45 + x^41 + x^40 + x^39 + x^38 + x^35 + x^33 +
    x^31 + x^28 + x^24 + x^23 + x^22 + x^21 + x^18 + x^17 + x^15 + x^13 +
x^12 +
    x^10 + x^9 + x^8 + x^7 + x^6 + x^5 + x^2 + x + 1
----------------------
110
105
2
x^5 + 1
1
x^55 + x^53 + x^52 + x^50 + x^48 + x^45 + x^42 + x^37 + x^36 + x^33 + x^32 +
    x^31 + x^27 + x^26 + x^25 + x^24 + x^23 + x^22 + x^20 + x^18 + x^17 +
x^12 +
    x^11 + x^7 + x^6 + x^4 + 1
x^55 + x^54 + x^53 + x^52 + x^50 + x^49 + x^48 + x^41 + x^39 + x^38 + x^37 +
    x^32 + x^31 + x^30 + x^24 + x^22 + x^20 + x^19 + x^17 + x^16 + x^13 +
x^12 +
    x^2 + x + 1
----------------------
110
106
2
x^4 + x^3 + x^2 + x + 1
1
x^55 + x^54 + x^53 + x^52 + x^50 + x^48 + x^47 + x^45 + x^44 + x^40 + x^39 +
    x^35 + x^34 + x^32 + x^30 + x^27 + x^25 + x^21 + x^20 + x^16 + x^14 +
x^12 +
    x^8 + x^5 + x^4 + x + 1
x^55 + x^54 + x^53 + x^52 + x^51 + x^49 + x^47 + x^46 + x^45 + x^41 + x^40 +
    x^39 + x^38 + x^37 + x^32 + x^31 + x^29 + x^28 + x^27 + x^25 + x^23 +
x^22 +
    x^20 + x^18 + x^16 + x^14 + x^11 + x^7 + x^6 + x^2 + 1
----------------------
110
109
2
x + 1
1
x^55 + x^54 + x^53 + x^52 + x^51 + x^50 + x^46 + x^44 + x^41 + x^39 + x^37 +
    x^36 + x^35 + x^34 + x^33 + x^32 + x^30 + x^29 + x^28 + x^26 + x^25 +
```

```
x^18 +
    x^17 + x^15 + x^14 + x^13 + x^10 + x^7 + x^6 + x^3 + 1
x^55 + x^54 + x^52 + x^51 + x^47 + x^46 + x^43 + x^41 + x^40 + x^38 + x^36 +
    x^33 + x^32 + x^31 + x^30 + x^27 + x^23 + x^22 + x^19 + x^18 + x^16 +
x^11 +
    x^10 + x^6 + x^5 + x + 1
----------------------
```