

Loading "OHP2.txt"
Euler Characteristic: 63

Basis:

```
[
  [],
  [
    y2
  ],
  [
    y3
  ],
  [
    y2^2
  ],
  [
    y2*y3
  ],
  [
    y2^3,
    y3^2
  ],
  [
    y2^2*y3
  ],
  [
    y2^4,
    y2*y3^2
  ],
  [
    y2^3*y3
  ],
  [
    y2^5,
    y2^2*y3^2
  ],
  [
    y2^4*y3
  ],
  [
    y12,
    y2^6,
    y2^3*y3^2
  ],
  [
    y2^5*y3
  ],
  [
    y2^4*y3^2,
    y2*y12,
    y2^7
  ],
  [
    y2^6*y3,
    y3*y12
  ],
  [

```

```

    y2^2*y12,
    y2^8,
    y2^5*y3^2,
    y16
],
[
    y2^7*y3,
    y2*y3*y12
],
[
    y3^2*y12,
    y2^9,
    y3^2*y12 + y2*y16,
    y2^3*y12
],
[
    y2^2*y3*y12,
    y2^8*y3
],
[
    y2^4*y12,
    y2^2*y16,
    y2*y3^2*y12,
    y2^10,
    y20
],
[
    y2^3*y3*y12,
    y2^9*y3
],
[
    y2^3*y16,
    y2^5*y12,
    y2^2*y3^2*y12,
    y2^11,
    y2*y20
],
[
    y2^4*y3*y12,
    y2^10*y3,
    y3*y20
],
[
    y12^2,
    y2^3*y3^2*y12,
    y2^12,
    y2^4*y16,
    y2^6*y12,
    y2^2*y20
],
[
    y2*y3*y20,
    y2^5*y3*y12,
    y2^11*y3
],
[
    y3^2*y20,

```

```

y2*y12^2 + y2^5*y16 + y3^2*y20,
y2*y12^2,
y2^7*y12,
y2^13,
y2^3*y20
],
[
y2^2*y3*y20,
y2^6*y3*y12,
y2^12*y3
],
[
y2^8*y12,
y12*y16,
y2^4*y20,
y2^2*y12^2,
y2^2*y12^2 + y2^6*y16 + y2*y3^2*y20,
y2^6*y16
],
[
y2^13*y3,
y2^3*y3*y20,
y2^7*y3*y12
],
[
y2^7*y16,
y2*y12*y16 + y2^2*y3^2*y20,
y2^9*y12,
y2*y12*y16,
y2^5*y20
],
[
y2^8*y3*y12,
y2^4*y3*y20
],
[
y2^8*y16,
y16^2,
y2^8*y16 + y2^2*y12*y16,
y12*y20,
y2^2*y12*y16 + y2^3*y3^2*y20,
y2^10*y12,
y2^6*y20
],
[
y2^9*y3*y12,
y2^5*y3*y20
],
[
y2^11*y12,
y2*y12*y20,
y2^3*y12*y16 + y2^4*y3^2*y20,
y2^3*y12*y16,
y2^7*y20
],
[
y2^10*y3*y12,

```

```

y3*y12*y20,
y2^6*y3*y20
],
[
y2^5*y3^2*y20,
y2^4*y12*y16 + y2^5*y3^2*y20,
y2^12*y12,
y2^8*y20,
y16*y20,
y2^2*y12*y20
],
[
y2^11*y3*y12,
y2*y3*y12*y20,
y2^7*y3*y20
],
[
y3^2*y12*y20 + y2*y16*y20,
y2^5*y12*y16,
y2^13*y12,
y2^3*y12*y20,
y2*y16*y20,
y2^9*y20
],
[
y2^2*y3*y12*y20,
y2^8*y3*y20,
y2^12*y3*y12
],
[
y2*y3^2*y12*y20,
y2^10*y20,
y2^2*y16*y20,
y12^2*y16,
y12^2*y16 + y20^2,
y2^4*y12*y20
],
[
y2^9*y3*y20,
y2^13*y3*y12,
y2^3*y3*y12*y20
],
[
y2^2*y3^2*y12*y20 + y2^3*y16*y20 + y2*y20^2,
y2^5*y12*y20,
y2^2*y3^2*y12*y20 + y2^3*y16*y20,
y2^2*y3^2*y12*y20,
y2^11*y20
],
[
y2^4*y3*y12*y20,
y2^10*y3*y20
],
[
y2^6*y12*y20,
y2^4*y16*y20,
y12^2*y20 + y2^2*y20^2,

```

```

y2^12*y20,
y12^2*y20 + y2^4*y16*y20
],
[
y2^5*y3*y12*y20,
y2^11*y3*y20
],
[
y2*y12^2*y20,
y2*y12^2*y20 + y2^5*y16*y20,
y2^7*y12*y20,
y2^13*y20
],
[
y2^6*y3*y12*y20,
y2^12*y3*y20
],
[
y12*y16*y20,
y2^6*y16*y20,
y2^2*y12^2*y20 + y12*y16*y20,
y2^8*y12*y20
],
[
y2^7*y3*y12*y20,
y2^13*y3*y20
],
[
y2*y12*y16*y20,
y2^7*y16*y20 + y2*y12*y16*y20,
y2^9*y12*y20
],
[
y2^8*y3*y12*y20
],
[
y2^2*y12*y16*y20 + y12*y20^2,
y2^2*y12*y16*y20,
y2^10*y12*y20
],
[
y2^9*y3*y12*y20
],
[
y2^11*y12*y20,
y2^3*y12*y16*y20
],
[
y2^10*y3*y12*y20
],
[
y2^12*y12*y20,
y2^4*y12*y16*y20
],
[
y2^11*y3*y12*y20
],

```

```

[
  y2^13*y12*y20,
  y2^5*y12*y16*y20
],
[
  y2^12*y3*y12*y20
],
[
  y20^3
],
[
  y2^13*y3*y12*y20
],
[
  y2*y20^3
],
[],
[
  y2^2*y20^3
]
]

```

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All monomials:

```

Degree 1

Degree 2

y2 : y2

Degree 3

y3 : y3

Degree 4

y2^2 : y2^2

Degree 5

y2 y3 : y2 y3

Degree 6

y2^3 : y2^3
y3^2 : y3^2

Degree 7

$$y^2 y^3 : y^2 y^3$$

Degree 8

$$\begin{aligned} y^2 y^4 : y^2 y^4 \\ y^2 y^3^2 : y^2 y^3^2 \end{aligned}$$

Degree 9

$$\begin{aligned} y^2 y^3 y^3 : y^2 y^3 y^3 \\ y^3^3 : 0 \end{aligned}$$

Degree 10

$$\begin{aligned} y^2 y^5 : y^2 y^5 \\ y^2 y^3^2 : y^2 y^3^2 \end{aligned}$$

Degree 11

$$\begin{aligned} y^2 y^4 y^3 : y^2 y^4 y^3 \\ y^2 y^3^3 : 0 \end{aligned}$$

Degree 12

$$\begin{aligned} y^2 y^6 : y^2 y^6 \\ y^2 y^3 y^3^2 : y^2 y^3 y^3^2 \\ y^3^4 : 0 \\ y^{12} : y^{12} \end{aligned}$$

Degree 13

$$\begin{aligned} y^2 y^5 y^3 : y^2 y^5 y^3 \\ y^2 y^3^3 : 0 \end{aligned}$$

Degree 14

$$\begin{aligned} y^2 y^7 : y^2 y^7 \\ y^2 y^4 y^3^2 : y^2 y^4 y^3^2 \\ y^2 y^3^4 : 0 \\ y^2 y^{12} : y^2 y^{12} \end{aligned}$$

Degree 15

$$\begin{aligned} y^2 y^6 y^3 : y^2 y^6 y^3 \\ y^2 y^3 y^3^3 : 0 \\ y^3^5 : 0 \\ y^3 y^{12} : y^3 y^{12} \end{aligned}$$

Degree 16

$$\begin{aligned}y2^8 &: y2^8 \\y2^5 y3^2 &: y2^5 y3^2 \\y2^2 y3^4 &: 0 \\y2^2 y12 &: y2^2 y12 \\y16 &: y16\end{aligned}$$

Degree 17

$$\begin{aligned}y2^7 y3 &: y2^7 y3 \\y2^4 y3^3 &: 0 \\y2 y3^5 &: 0 \\y2 y3 y12 &: y2 y3 y12\end{aligned}$$

Degree 18

$$\begin{aligned}y2^9 &: y2^9 \\y2^6 y3^2 &: y3^2 y12 + y2 y16 \\y2^3 y3^4 &: 0 \\y2^3 y12 &: y2^3 y12 \\y2 y16 &: y2 y16 \\y3^6 &: 0 \\y3^2 y12 &: y3^2 y12\end{aligned}$$

Degree 19

$$\begin{aligned}y2^8 y3 &: y2^8 y3 \\y2^5 y3^3 &: 0 \\y2^2 y3^5 &: 0 \\y2^2 y3 y12 &: y2^2 y3 y12 \\y3 y16 &: 0\end{aligned}$$

Degree 20

$$\begin{aligned}y2^{10} &: y2^{10} \\y2^7 y3^2 &: y2 y3^2 y12 + y2^2 y16 \\y2^4 y3^4 &: 0 \\y2^4 y12 &: y2^4 y12 \\y2^2 y16 &: y2^2 y16 \\y2 y3^6 &: 0 \\y2 y3^2 y12 &: y2 y3^2 y12 \\y20 &: y20\end{aligned}$$

Degree 21

$$\begin{aligned}y2^9 y3 &: y2^9 y3 \\y2^6 y3^3 &: 0 \\y2^3 y3^5 &: 0 \\y2^3 y3 y12 &: y2^3 y3 y12\end{aligned}$$

$$\begin{aligned}
y^2 y^3 y^{16} &: 0 \\
y^3{}^7 &: 0 \\
y^3{}^3 y^{12} &: 0
\end{aligned}$$

Degree 22

$$\begin{aligned}
y^{2^{11}} &: y^{2^{11}} \\
y^{2^8} y^{3^2} &: y^{2^2} y^{3^2} y^{12} + y^{2^3} y^{16} \\
y^{2^5} y^{3^4} &: 0 \\
y^{2^5} y^{12} &: y^{2^5} y^{12} \\
y^{2^3} y^{16} &: y^{2^3} y^{16} \\
y^{2^2} y^{3^6} &: 0 \\
y^{2^2} y^{3^2} y^{12} &: y^{2^2} y^{3^2} y^{12} \\
y^2 y^{20} &: y^2 y^{20} \\
y^3{}^2 y^{16} &: 0
\end{aligned}$$

Degree 23

$$\begin{aligned}
y^{2^{10}} y^3 &: y^{2^{10}} y^3 \\
y^{2^7} y^{3^3} &: 0 \\
y^{2^4} y^{3^5} &: 0 \\
y^{2^4} y^3 y^{12} &: y^{2^4} y^3 y^{12} \\
y^{2^2} y^3 y^{16} &: 0 \\
y^2 y^{3^7} &: 0 \\
y^2 y^3{}^3 y^{12} &: 0 \\
y^3 y^{20} &: y^3 y^{20}
\end{aligned}$$

Degree 24

$$\begin{aligned}
y^{2^{12}} &: y^{2^{12}} \\
y^{2^9} y^{3^2} &: y^{2^3} y^{3^2} y^{12} + y^{2^4} y^{16} \\
y^{2^6} y^{3^4} &: 0 \\
y^{2^6} y^{12} &: y^{2^6} y^{12} \\
y^{2^4} y^{16} &: y^{2^4} y^{16} \\
y^{2^3} y^{3^6} &: 0 \\
y^{2^3} y^{3^2} y^{12} &: y^{2^3} y^{3^2} y^{12} \\
y^{2^2} y^{20} &: y^{2^2} y^{20} \\
y^2 y^3{}^2 y^{16} &: 0 \\
y^3{}^8 &: 0 \\
y^3{}^4 y^{12} &: 0 \\
y^{12}{}^2 &: y^{12}{}^2
\end{aligned}$$

Degree 25

$$\begin{aligned}
y^{2^{11}} y^3 &: y^{2^{11}} y^3 \\
y^{2^8} y^{3^3} &: 0 \\
y^{2^5} y^{3^5} &: 0 \\
y^{2^5} y^3 y^{12} &: y^{2^5} y^3 y^{12} \\
y^{2^3} y^3 y^{16} &: 0 \\
y^{2^2} y^{3^7} &: 0 \\
y^{2^2} y^3{}^3 y^{12} &: 0 \\
y^2 y^3 y^{20} &: y^2 y^3 y^{20} \\
y^3{}^3 y^{16} &: 0
\end{aligned}$$

Degree 26

$$\begin{aligned} & y_2^{13} : y_2^{13} \\ y_2^{10} y_3^2 : & y_2 y_{12}^2 + y_2^5 y_{16} + y_3^2 y_{20} \\ y_2^7 y_3^4 : & 0 \\ y_2^7 y_{12} : & y_2^7 y_{12} \\ y_2^5 y_{16} : & y_2^5 y_{16} \\ y_2^4 y_3^6 : & 0 \\ y_2^4 y_3^2 y_{12} : & y_2 y_{12}^2 + y_3^2 y_{20} \\ y_2^3 y_{20} : & y_2^3 y_{20} \\ y_2^2 y_3^2 y_{16} : & 0 \\ y_2 y_3^8 : & 0 \\ y_2 y_3^4 y_{12} : & 0 \\ y_2 y_{12}^2 : & y_2 y_{12}^2 \\ y_3^2 y_{20} : & y_3^2 y_{20} \end{aligned}$$

Degree 27

$$\begin{aligned} y_2^{12} y_3 : & y_2^{12} y_3 \\ y_2^9 y_3^3 : & 0 \\ y_2^6 y_3^5 : & 0 \\ y_2^6 y_3 y_{12} : & y_2^6 y_3 y_{12} \\ y_2^4 y_3 y_{16} : & 0 \\ y_2^3 y_3^7 : & 0 \\ y_2^3 y_3^3 y_{12} : & 0 \\ y_2^2 y_3 y_{20} : & y_2^2 y_3 y_{20} \\ y_2 y_3^3 y_{16} : & 0 \\ y_3^9 : & 0 \\ y_3^5 y_{12} : & 0 \\ y_3 y_{12}^2 : & 0 \end{aligned}$$

Degree 28

$$\begin{aligned} y_2^{14} : & y_2^6 y_{16} + y_{12} y_{16} \\ y_2^{11} y_3^2 : & y_2^2 y_{12}^2 + y_2^6 y_{16} + y_2 y_3^2 y_{20} \\ y_2^8 y_3^4 : & 0 \\ y_2^8 y_{12} : & y_2^8 y_{12} \\ y_2^6 y_{16} : & y_2^6 y_{16} \\ y_2^5 y_3^6 : & 0 \\ y_2^5 y_3^2 y_{12} : & y_2^2 y_{12}^2 + y_2 y_3^2 y_{20} \\ y_2^4 y_{20} : & y_2^4 y_{20} \\ y_2^3 y_3^2 y_{16} : & 0 \\ y_2^2 y_3^8 : & 0 \\ y_2^2 y_3^4 y_{12} : & 0 \\ y_2^2 y_{12}^2 : & y_2^2 y_{12}^2 \\ y_2 y_3^2 y_{20} : & y_2 y_3^2 y_{20} \\ y_3^4 y_{16} : & 0 \\ y_{12} y_{16} : & y_{12} y_{16} \end{aligned}$$

Degree 29

$$y_2^{13} y_3 : y_2^{13} y_3$$

$$\begin{aligned}
y_2^{10} y_3^3 &: 0 \\
y_2^7 y_3^5 &: 0 \\
y_2^7 y_3 y_{12} &: y_2^7 y_3 y_{12} \\
y_2^5 y_3 y_{16} &: 0 \\
y_2^4 y_3^7 &: 0 \\
y_2^4 y_3^3 y_{12} &: 0 \\
y_2^3 y_3 y_{20} &: y_2^3 y_3 y_{20} \\
y_2^2 y_3^3 y_{16} &: 0 \\
y_2 y_3^9 &: 0 \\
y_2 y_3^5 y_{12} &: 0 \\
y_2 y_3 y_{12}^2 &: 0 \\
y_3^3 y_{20} &: 0
\end{aligned}$$

Degree 30

$$\begin{aligned}
y_2^{15} &: y_2^7 y_{16} + y_2 y_{12} y_{16} \\
y_2^{12} y_3^2 &: y_2^7 y_{16} + y_2 y_{12} y_{16} \\
y_2^9 y_3^4 &: 0 \\
y_2^9 y_{12} &: y_2^9 y_{12} \\
y_2^7 y_{16} &: y_2^7 y_{16} \\
y_2^6 y_3^6 &: 0 \\
y_2^6 y_3^2 y_{12} &: y_2 y_{12} y_{16} \\
y_2^5 y_{20} &: y_2^5 y_{20} \\
y_2^4 y_3^2 y_{16} &: 0 \\
y_2^3 y_3^8 &: 0 \\
y_2^3 y_3^4 y_{12} &: 0 \\
y_2^3 y_{12}^2 &: y_2 y_{12} y_{16} + y_2^2 y_3^2 y_{20} \\
y_2^2 y_3^2 y_{20} &: y_2^2 y_3^2 y_{20} \\
y_2 y_3^4 y_{16} &: 0 \\
y_2 y_{12} y_{16} &: y_2 y_{12} y_{16} \\
y_3^{10} &: 0 \\
y_3^6 y_{12} &: 0 \\
y_3^2 y_{12}^2 &: 0
\end{aligned}$$

Degree 31

$$\begin{aligned}
y_2^{14} y_3 &: 0 \\
y_2^{11} y_3^3 &: 0 \\
y_2^8 y_3^5 &: 0 \\
y_2^8 y_3 y_{12} &: y_2^8 y_3 y_{12} \\
y_2^6 y_3 y_{16} &: 0 \\
y_2^5 y_3^7 &: 0 \\
y_2^5 y_3^3 y_{12} &: 0 \\
y_2^4 y_3 y_{20} &: y_2^4 y_3 y_{20} \\
y_2^3 y_3^3 y_{16} &: 0 \\
y_2^2 y_3^9 &: 0 \\
y_2^2 y_3^5 y_{12} &: 0 \\
y_2^2 y_3 y_{12}^2 &: 0 \\
y_2 y_3^3 y_{20} &: 0 \\
y_3^5 y_{16} &: 0 \\
y_3 y_{12} y_{16} &: 0
\end{aligned}$$

Degree 32

$$\begin{aligned}
& y_2^{16} : y_2^8 y_{16} + y_2^2 y_{12} y_{16} \\
y_2^{13} y_3^2 : & y_2^8 y_{16} + y_2^2 y_{12} y_{16} \\
y_2^{10} y_3^4 : & 0 \\
& y_2^{10} y_{12} : y_2^{10} y_{12} \\
& y_2^8 y_{16} : y_2^8 y_{16} \\
& y_2^7 y_3^6 : 0 \\
y_2^7 y_3^2 y_{12} : & y_2^2 y_{12} y_{16} \\
& y_2^6 y_{20} : y_2^6 y_{20} \\
y_2^5 y_3^2 y_{16} : & 0 \\
& y_2^4 y_3^8 : 0 \\
y_2^4 y_3^4 y_{12} : & 0 \\
& y_2^4 y_{12}^2 : y_2^2 y_{12} y_{16} + y_2^3 y_3^2 y_{20} \\
y_2^3 y_3^2 y_{20} : & y_2^3 y_3^2 y_{20} \\
y_2^2 y_3^4 y_{16} : & 0 \\
& y_2^2 y_{12} y_{16} : y_2^2 y_{12} y_{16} \\
& y_2 y_3^{10} : 0 \\
& y_2 y_3^6 y_{12} : 0 \\
y_2 y_3^2 y_{12}^2 : & 0 \\
& y_3^4 y_{20} : 0 \\
& y_{12} y_{20} : y_{12} y_{20} \\
& y_{16}^2 : y_{16}^2
\end{aligned}$$

Degree 33

$$\begin{aligned}
& y_2^{15} y_3 : 0 \\
& y_2^{12} y_3^3 : 0 \\
& y_2^9 y_3^5 : 0 \\
y_2^9 y_3 y_{12} : & y_2^9 y_3 y_{12} \\
& y_2^7 y_3 y_{16} : 0 \\
& y_2^6 y_3^7 : 0 \\
y_2^6 y_3^3 y_{12} : & 0 \\
& y_2^5 y_3 y_{20} : y_2^5 y_3 y_{20} \\
y_2^4 y_3^3 y_{16} : & 0 \\
& y_2^3 y_3^9 : 0 \\
y_2^3 y_3^5 y_{12} : & 0 \\
y_2^3 y_3 y_{12}^2 : & 0 \\
y_2^2 y_3^3 y_{20} : & 0 \\
& y_2 y_3^5 y_{16} : 0 \\
y_2 y_3 y_{12} y_{16} : & 0 \\
& y_3^{11} : 0 \\
& y_3^7 y_{12} : 0 \\
y_3^3 y_{12}^2 : & 0
\end{aligned}$$

Degree 34

$$\begin{aligned}
& y_2^{17} : 0 \\
& y_2^{14} y_3^2 : 0 \\
& y_2^{11} y_3^4 : 0 \\
& y_2^{11} y_{12} : y_2^{11} y_{12} \\
& y_2^9 y_{16} : y_2^3 y_{12} y_{16} \\
& y_2^8 y_3^6 : 0 \\
y_2^8 y_3^2 y_{12} : & y_2^3 y_{12} y_{16} \\
& y_2^7 y_{20} : y_2^7 y_{20} \\
y_2^6 y_3^2 y_{16} : & 0 \\
& y_2^5 y_3^8 : 0
\end{aligned}$$

$$\begin{aligned}
y_2^5 y_3^4 y_{12} &: 0 \\
y_2^5 y_{12}^2 &: y_2^3 y_{12} y_{16} + y_2^4 y_3^2 y_{20} \\
y_2^4 y_3^2 y_{20} &: y_2^4 y_3^2 y_{20} \\
y_2^3 y_3^4 y_{16} &: 0 \\
y_2^3 y_{12} y_{16} &: y_2^3 y_{12} y_{16} \\
y_2^2 y_3^{10} &: 0 \\
y_2^2 y_3^6 y_{12} &: 0 \\
y_2^2 y_3^2 y_{12}^2 &: 0 \\
y_2 y_3^4 y_{20} &: 0 \\
y_2 y_{12} y_{20} &: y_2 y_{12} y_{20} \\
y_2 y_{16}^2 &: 0 \\
y_3^6 y_{16} &: 0 \\
y_3^2 y_{12} y_{16} &: 0
\end{aligned}$$

Degree 35

$$\begin{aligned}
y_2^{16} y_3 &: 0 \\
y_2^{13} y_3^3 &: 0 \\
y_2^{10} y_3^5 &: 0 \\
y_2^{10} y_3 y_{12} &: y_2^{10} y_3 y_{12} \\
y_2^8 y_3 y_{16} &: 0 \\
y_2^7 y_3^7 &: 0 \\
y_2^7 y_3^3 y_{12} &: 0 \\
y_2^6 y_3 y_{20} &: y_2^6 y_3 y_{20} \\
y_2^5 y_3^3 y_{16} &: 0 \\
y_2^4 y_3^9 &: 0 \\
y_2^4 y_3^5 y_{12} &: 0 \\
y_2^4 y_3 y_{12}^2 &: 0 \\
y_2^3 y_3^3 y_{20} &: 0 \\
y_2^2 y_3^5 y_{16} &: 0 \\
y_2^2 y_3 y_{12} y_{16} &: 0 \\
y_2 y_3^{11} &: 0 \\
y_2 y_3^7 y_{12} &: 0 \\
y_2 y_3^3 y_{12}^2 &: 0 \\
y_3^5 y_{20} &: 0 \\
y_3 y_{12} y_{20} &: y_3 y_{12} y_{20} \\
y_3 y_{16}^2 &: 0
\end{aligned}$$

Degree 36

$$\begin{aligned}
y_2^{18} &: 0 \\
y_2^{15} y_3^2 &: 0 \\
y_2^{12} y_3^4 &: 0 \\
y_2^{12} y_{12} &: y_2^{12} y_{12} \\
y_2^{10} y_{16} &: y_2^4 y_{12} y_{16} \\
y_2^9 y_3^6 &: 0 \\
y_2^9 y_3^2 y_{12} &: y_2^4 y_{12} y_{16} \\
y_2^8 y_{20} &: y_2^8 y_{20} \\
y_2^7 y_3^2 y_{16} &: 0 \\
y_2^6 y_3^8 &: 0 \\
y_2^6 y_3^4 y_{12} &: 0 \\
y_2^6 y_{12}^2 &: y_2^4 y_{12} y_{16} + y_2^5 y_3^2 y_{20} \\
y_2^5 y_3^2 y_{20} &: y_2^5 y_3^2 y_{20} \\
y_2^4 y_3^4 y_{16} &: 0 \\
y_2^4 y_{12} y_{16} &: y_2^4 y_{12} y_{16}
\end{aligned}$$

```

      y2^3 y3^10 : 0
    y2^3 y3^6 y12 : 0
  y2^3 y3^2 y12^2 : 0
    y2^2 y3^4 y20 : 0
      y2^2 y12 y20 : y2^2 y12 y20
        y2^2 y16^2 : 0
          y2 y3^6 y16 : 0
    y2 y3^2 y12 y16 : 0
      y3^12 : 0
        y3^8 y12 : 0
      y3^4 y12^2 : 0
        y12^3 : y2^5 y3^2 y20 + y16 y20
      y16 y20 : y16 y20

```

Degree 37

```

      y2^17 y3 : 0
    y2^14 y3^3 : 0
    y2^11 y3^5 : 0
  y2^11 y3 y12 : y2^11 y3 y12
    y2^9 y3 y16 : 0
      y2^8 y3^7 : 0
    y2^8 y3^3 y12 : 0
      y2^7 y3 y20 : y2^7 y3 y20
    y2^6 y3^3 y16 : 0
      y2^5 y3^9 : 0
    y2^5 y3^5 y12 : 0
    y2^5 y3 y12^2 : 0
    y2^4 y3^3 y20 : 0
    y2^3 y3^5 y16 : 0
  y2^3 y3 y12 y16 : 0
    y2^2 y3^11 : 0
    y2^2 y3^7 y12 : 0
  y2^2 y3^3 y12^2 : 0
    y2 y3^5 y20 : 0
    y2 y3 y12 y20 : y2 y3 y12 y20
      y2 y3 y16^2 : 0
        y3^7 y16 : 0
    y3^3 y12 y16 : 0

```

Degree 38

```

      y2^19 : 0
    y2^16 y3^2 : 0
    y2^13 y3^4 : 0
      y2^13 y12 : y2^13 y12
    y2^11 y16 : y2^5 y12 y16
      y2^10 y3^6 : 0
  y2^10 y3^2 y12 : y2^5 y12 y16
      y2^9 y20 : y2^9 y20
    y2^8 y3^2 y16 : 0
      y2^7 y3^8 : 0
    y2^7 y3^4 y12 : 0
      y2^7 y12^2 : y2^5 y12 y16 + y3^2 y12 y20 + y2 y16

```

y20

$$\begin{aligned}
y_2^6 y_3^2 y_{20} &: y_3^2 y_{12} y_{20} + y_2 y_{16} y_{20} \\
y_2^5 y_3^4 y_{16} &: 0 \\
y_2^5 y_{12} y_{16} &: y_2^5 y_{12} y_{16} \\
y_2^4 y_3^{10} &: 0 \\
y_2^4 y_3^6 y_{12} &: 0 \\
y_2^4 y_3^2 y_{12}^2 &: 0 \\
y_2^3 y_3^4 y_{20} &: 0 \\
y_2^3 y_{12} y_{20} &: y_2^3 y_{12} y_{20} \\
y_2^3 y_{16}^2 &: 0 \\
y_2^2 y_3^6 y_{16} &: 0 \\
y_2^2 y_3^2 y_{12} y_{16} &: 0 \\
y_2 y_3^{12} &: 0 \\
y_2 y_3^8 y_{12} &: 0 \\
y_2 y_3^4 y_{12}^2 &: 0 \\
y_2 y_{12}^3 &: y_3^2 y_{12} y_{20} \\
y_2 y_{16} y_{20} &: y_2 y_{16} y_{20} \\
y_3^6 y_{20} &: 0 \\
y_3^2 y_{12} y_{20} &: y_3^2 y_{12} y_{20} \\
y_3^2 y_{16}^2 &: 0
\end{aligned}$$

Degree 39

$$\begin{aligned}
y_2^{18} y_3 &: 0 \\
y_2^{15} y_3^3 &: 0 \\
y_2^{12} y_3^5 &: 0 \\
y_2^{12} y_3 y_{12} &: y_2^{12} y_3 y_{12} \\
y_2^{10} y_3 y_{16} &: 0 \\
y_2^9 y_3^7 &: 0 \\
y_2^9 y_3^3 y_{12} &: 0 \\
y_2^8 y_3 y_{20} &: y_2^8 y_3 y_{20} \\
y_2^7 y_3^3 y_{16} &: 0 \\
y_2^6 y_3^9 &: 0 \\
y_2^6 y_3^5 y_{12} &: 0 \\
y_2^6 y_3 y_{12}^2 &: 0 \\
y_2^5 y_3^3 y_{20} &: 0 \\
y_2^4 y_3^5 y_{16} &: 0 \\
y_2^4 y_3 y_{12} y_{16} &: 0 \\
y_2^3 y_3^{11} &: 0 \\
y_2^3 y_3^7 y_{12} &: 0 \\
y_2^3 y_3^3 y_{12}^2 &: 0 \\
y_2^2 y_3^5 y_{20} &: 0 \\
y_2^2 y_3 y_{12} y_{20} &: y_2^2 y_3 y_{12} y_{20} \\
y_2^2 y_3 y_{16}^2 &: 0 \\
y_2 y_3^7 y_{16} &: 0 \\
y_2 y_3^3 y_{12} y_{16} &: 0 \\
y_3^{13} &: 0 \\
y_3^9 y_{12} &: 0 \\
y_3^5 y_{12}^2 &: 0 \\
y_3 y_{12}^3 &: 0 \\
y_3 y_{16} y_{20} &: 0
\end{aligned}$$

Degree 40

$$\begin{aligned}
y_2^{20} &: 0 \\
y_2^{17} y_3^2 &: 0
\end{aligned}$$

$$\begin{aligned}
& y_2^{14} y_3^4 : 0 \\
& y_2^{14} y_{12} : y_{20}^2 \\
& y_2^{12} y_{16} : y_{12}^2 y_{16} + y_{20}^2 \\
& y_2^{11} y_3^6 : 0 \\
& y_2^{11} y_3^2 y_{12} : y_{12}^2 y_{16} + y_{20}^2 \\
& y_2^{10} y_{20} : y_2^{10} y_{20} \\
& y_2^9 y_3^2 y_{16} : 0 \\
& y_2^8 y_3^8 : 0 \\
& y_2^8 y_3^4 y_{12} : 0 \\
& y_2^8 y_{12}^2 : y_{12}^2 y_{16} + y_2 y_3^2 y_{12} y_{20} + y_2^2 \\
& y_{16} y_{20} + y_{20}^2 \\
& y_2^7 y_3^2 y_{20} : y_2 y_3^2 y_{12} y_{20} + y_2^2 y_{16} y_{20} \\
& y_2^6 y_3^4 y_{16} : 0 \\
& y_2^6 y_{12} y_{16} : y_{12}^2 y_{16} + y_{20}^2 \\
& y_2^5 y_3^{10} : 0 \\
& y_2^5 y_3^6 y_{12} : 0 \\
& y_2^5 y_3^2 y_{12}^2 : 0 \\
& y_2^4 y_3^4 y_{20} : 0 \\
& y_2^4 y_{12} y_{20} : y_2^4 y_{12} y_{20} \\
& y_2^4 y_{16}^2 : 0 \\
& y_2^3 y_3^6 y_{16} : 0 \\
& y_2^3 y_3^2 y_{12} y_{16} : 0 \\
& y_2^2 y_3^{12} : 0 \\
& y_2^2 y_3^8 y_{12} : 0 \\
& y_2^2 y_3^4 y_{12}^2 : 0 \\
& y_2^2 y_{12}^3 : y_2 y_3^2 y_{12} y_{20} \\
& y_2^2 y_{16} y_{20} : y_2^2 y_{16} y_{20} \\
& y_2 y_3^6 y_{20} : 0 \\
& y_2 y_3^2 y_{12} y_{20} : y_2 y_3^2 y_{12} y_{20} \\
& y_2 y_3^2 y_{16}^2 : 0 \\
& y_3^8 y_{16} : 0 \\
& y_3^4 y_{12} y_{16} : 0 \\
& y_{12}^2 y_{16} : y_{12}^2 y_{16} \\
& y_{20}^2 : y_{20}^2
\end{aligned}$$

Degree 41

$$\begin{aligned}
& y_2^{19} y_3 : 0 \\
& y_2^{16} y_3^3 : 0 \\
& y_2^{13} y_3^5 : 0 \\
& y_2^{13} y_3 y_{12} : y_2^{13} y_3 y_{12} \\
& y_2^{11} y_3 y_{16} : 0 \\
& y_2^{10} y_3^7 : 0 \\
& y_2^{10} y_3^3 y_{12} : 0 \\
& y_2^9 y_3 y_{20} : y_2^9 y_3 y_{20} \\
& y_2^8 y_3^3 y_{16} : 0 \\
& y_2^7 y_3^9 : 0 \\
& y_2^7 y_3^5 y_{12} : 0 \\
& y_2^7 y_3 y_{12}^2 : 0 \\
& y_2^6 y_3^3 y_{20} : 0 \\
& y_2^5 y_3^5 y_{16} : 0 \\
& y_2^5 y_3 y_{12} y_{16} : 0 \\
& y_2^4 y_3^{11} : 0 \\
& y_2^4 y_3^7 y_{12} : 0 \\
& y_2^4 y_3^3 y_{12}^2 : 0 \\
& y_2^3 y_3^5 y_{20} : 0
\end{aligned}$$

$y_2^3 y_3 y_{12} y_{20} : y_2^3 y_3 y_{12} y_{20}$
 $y_2^3 y_3 y_{16}^2 : 0$
 $y_2^2 y_3^7 y_{16} : 0$
 $y_2^2 y_3^3 y_{12} y_{16} : 0$
 $y_2 y_3^{13} : 0$
 $y_2 y_3^9 y_{12} : 0$
 $y_2 y_3^5 y_{12}^2 : 0$
 $y_2 y_3 y_{12}^3 : 0$
 $y_2 y_3 y_{16} y_{20} : 0$
 $y_3^7 y_{20} : 0$
 $y_3^3 y_{12} y_{20} : 0$
 $y_3^3 y_{16}^2 : 0$

Degree 42

$y_2^{21} : 0$
 $y_2^{18} y_3^2 : 0$
 $y_2^{15} y_3^4 : 0$
 $y_2^{15} y_{12} : y_2 y_{20}^2$
 $y_2^{13} y_{16} : y_2 y_{20}^2$
 $y_2^{12} y_3^6 : 0$
 $y_2^{12} y_3^2 y_{12} : y_2 y_{20}^2$
 $y_2^{11} y_{20} : y_2^{11} y_{20}$
 $y_2^{10} y_3^2 y_{16} : 0$
 $y_2^9 y_3^8 : 0$
 $y_2^9 y_3^4 y_{12} : 0$
 $y_2^9 y_{12}^2 : y_2^2 y_3^2 y_{12} y_{20} + y_2^3 y_{16} y_{20} +$
 $y_2 y_{20}^2$
 $y_2^8 y_3^2 y_{20} : y_2^2 y_3^2 y_{12} y_{20} + y_2^3 y_{16} y_{20}$
 $y_2^7 y_3^4 y_{16} : 0$
 $y_2^7 y_{12} y_{16} : y_2 y_{20}^2$
 $y_2^6 y_3^{10} : 0$
 $y_2^6 y_3^6 y_{12} : 0$
 $y_2^6 y_3^2 y_{12}^2 : 0$
 $y_2^5 y_3^4 y_{20} : 0$
 $y_2^5 y_{12} y_{20} : y_2^5 y_{12} y_{20}$
 $y_2^5 y_{16}^2 : 0$
 $y_2^4 y_3^6 y_{16} : 0$
 $y_2^4 y_3^2 y_{12} y_{16} : 0$
 $y_2^3 y_3^{12} : 0$
 $y_2^3 y_3^8 y_{12} : 0$
 $y_2^3 y_3^4 y_{12}^2 : 0$
 $y_2^3 y_{12}^3 : y_2^2 y_3^2 y_{12} y_{20}$
 $y_2^3 y_{16} y_{20} : y_2^3 y_{16} y_{20}$
 $y_2^2 y_3^6 y_{20} : 0$
 $y_2^2 y_3^2 y_{12} y_{20} : y_2^2 y_3^2 y_{12} y_{20}$
 $y_2^2 y_3^2 y_{16}^2 : 0$
 $y_2 y_3^8 y_{16} : 0$
 $y_2 y_3^4 y_{12} y_{16} : 0$
 $y_2 y_{12}^2 y_{16} : 0$
 $y_2 y_{20}^2 : y_2 y_{20}^2$
 $y_3^{14} : 0$
 $y_3^{10} y_{12} : 0$
 $y_3^6 y_{12}^2 : 0$
 $y_3^2 y_{12}^3 : 0$
 $y_3^2 y_{16} y_{20} : 0$

Degree 43

```

      y2^20 y3 : 0
      y2^17 y3^3 : 0
      y2^14 y3^5 : 0
      y2^14 y3 y12 : 0
      y2^12 y3 y16 : 0
      y2^11 y3^7 : 0
      y2^11 y3^3 y12 : 0
      y2^10 y3 y20 : y2^10 y3 y20
      y2^9 y3^3 y16 : 0
      y2^8 y3^9 : 0
      y2^8 y3^5 y12 : 0
      y2^8 y3 y12^2 : 0
      y2^7 y3^3 y20 : 0
      y2^6 y3^5 y16 : 0
      y2^6 y3 y12 y16 : 0
      y2^5 y3^11 : 0
      y2^5 y3^7 y12 : 0
      y2^5 y3^3 y12^2 : 0
      y2^4 y3^5 y20 : 0
      y2^4 y3 y12 y20 : y2^4 y3 y12 y20
      y2^4 y3 y16^2 : 0
      y2^3 y3^7 y16 : 0
      y2^3 y3^3 y12 y16 : 0
      y2^2 y3^13 : 0
      y2^2 y3^9 y12 : 0
      y2^2 y3^5 y12^2 : 0
      y2^2 y3 y12^3 : 0
      y2^2 y3 y16 y20 : 0
      y2 y3^7 y20 : 0
      y2 y3^3 y12 y20 : 0
      y2 y3^3 y16^2 : 0
      y3^9 y16 : 0
      y3^5 y12 y16 : 0
      y3 y12^2 y16 : 0
      y3 y20^2 : 0

```

Degree 44

```

      y2^22 : 0
      y2^19 y3^2 : 0
      y2^16 y3^4 : 0
      y2^16 y12 : y2^2 y20^2
      y2^14 y16 : y2^2 y20^2
      y2^13 y3^6 : 0
      y2^13 y3^2 y12 : y2^2 y20^2
      y2^12 y20 : y2^12 y20
      y2^11 y3^2 y16 : 0
      y2^10 y3^8 : 0
      y2^10 y3^4 y12 : 0
      y2^10 y12^2 : y12^2 y20 + y2^4 y16 y20
      y2^9 y3^2 y20 : y12^2 y20 + y2^4 y16 y20 + y2^2 y20^2

```

2

```

y2^8 y3^4 y16 : 0
y2^8 y12 y16 : y2^2 y20^2
y2^7 y3^10 : 0
y2^7 y3^6 y12 : 0
y2^7 y3^2 y12^2 : 0
y2^6 y3^4 y20 : 0
y2^6 y12 y20 : y2^6 y12 y20
y2^6 y16^2 : 0
y2^5 y3^6 y16 : 0
y2^5 y3^2 y12 y16 : 0
y2^4 y3^12 : 0
y2^4 y3^8 y12 : 0
y2^4 y3^4 y12^2 : 0
y2^4 y12^3 : y12^2 y20 + y2^2 y20^2
y2^4 y16 y20 : y2^4 y16 y20
y2^3 y3^6 y20 : 0
y2^3 y3^2 y12 y20 : y12^2 y20 + y2^2 y20^2
y2^3 y3^2 y16^2 : 0
y2^2 y3^8 y16 : 0
y2^2 y3^4 y12 y16 : 0
y2^2 y12^2 y16 : 0
y2^2 y20^2 : y2^2 y20^2
y2 y3^14 : 0
y2 y3^10 y12 : 0
y2 y3^6 y12^2 : 0
y2 y3^2 y12^3 : 0
y2 y3^2 y16 y20 : 0
y3^8 y20 : 0
y3^4 y12 y20 : 0
y3^4 y16^2 : 0
y12^2 y20 : y12^2 y20
y12 y16^2 : y2^2 y20^2

```

Degree 45

```

y2^21 y3 : 0
y2^18 y3^3 : 0
y2^15 y3^5 : 0
y2^15 y3 y12 : 0
y2^13 y3 y16 : 0
y2^12 y3^7 : 0
y2^12 y3^3 y12 : 0
y2^11 y3 y20 : y2^11 y3 y20
y2^10 y3^3 y16 : 0
y2^9 y3^9 : 0
y2^9 y3^5 y12 : 0
y2^9 y3 y12^2 : 0
y2^8 y3^3 y20 : 0
y2^7 y3^5 y16 : 0
y2^7 y3 y12 y16 : 0
y2^6 y3^11 : 0
y2^6 y3^7 y12 : 0
y2^6 y3^3 y12^2 : 0
y2^5 y3^5 y20 : 0
y2^5 y3 y12 y20 : y2^5 y3 y12 y20
y2^5 y3 y16^2 : 0

```

$y_2^4 y_3^7 y_{16} : 0$
 $y_2^4 y_3^3 y_{12} y_{16} : 0$
 $y_2^3 y_3^{13} : 0$
 $y_2^3 y_3^9 y_{12} : 0$
 $y_2^3 y_3^5 y_{12}^2 : 0$
 $y_2^3 y_3 y_{12}^3 : 0$
 $y_2^3 y_3 y_{16} y_{20} : 0$
 $y_2^2 y_3^7 y_{20} : 0$
 $y_2^2 y_3^3 y_{12} y_{20} : 0$
 $y_2^2 y_3^3 y_{16}^2 : 0$
 $y_2 y_3^9 y_{16} : 0$
 $y_2 y_3^5 y_{12} y_{16} : 0$
 $y_2 y_3 y_{12}^2 y_{16} : 0$
 $y_2 y_3 y_{20}^2 : 0$
 $y_3^{15} : 0$
 $y_3^{11} y_{12} : 0$
 $y_3^7 y_{12}^2 : 0$
 $y_3^3 y_{12}^3 : 0$
 $y_3^3 y_{16} y_{20} : 0$

Degree 46

$y_2^{23} : 0$
 $y_2^{20} y_3^2 : 0$
 $y_2^{17} y_3^4 : 0$
 $y_2^{17} y_{12} : 0$
 $y_2^{15} y_{16} : 0$
 $y_2^{14} y_3^6 : 0$
 $y_2^{14} y_3^2 y_{12} : 0$
 $y_2^{13} y_{20} : y_2^{13} y_{20}$
 $y_2^{12} y_3^2 y_{16} : 0$
 $y_2^{11} y_3^8 : 0$
 $y_2^{11} y_3^4 y_{12} : 0$
 $y_2^{11} y_{12}^2 : y_2 y_{12}^2 y_{20} + y_2^5 y_{16} y_{20}$
 $y_2^{10} y_3^2 y_{20} : y_2 y_{12}^2 y_{20} + y_2^5 y_{16} y_{20}$
 $y_2^9 y_3^4 y_{16} : 0$
 $y_2^9 y_{12} y_{16} : 0$
 $y_2^8 y_3^{10} : 0$
 $y_2^8 y_3^6 y_{12} : 0$
 $y_2^8 y_3^2 y_{12}^2 : 0$
 $y_2^7 y_3^4 y_{20} : 0$
 $y_2^7 y_{12} y_{20} : y_2^7 y_{12} y_{20}$
 $y_2^7 y_{16}^2 : 0$
 $y_2^6 y_3^6 y_{16} : 0$
 $y_2^6 y_3^2 y_{12} y_{16} : 0$
 $y_2^5 y_3^{12} : 0$
 $y_2^5 y_3^8 y_{12} : 0$
 $y_2^5 y_3^4 y_{12}^2 : 0$
 $y_2^5 y_{12}^3 : y_2 y_{12}^2 y_{20}$
 $y_2^5 y_{16} y_{20} : y_2^5 y_{16} y_{20}$
 $y_2^4 y_3^6 y_{20} : 0$
 $y_2^4 y_3^2 y_{12} y_{20} : y_2 y_{12}^2 y_{20}$
 $y_2^4 y_3^2 y_{16}^2 : 0$
 $y_2^3 y_3^8 y_{16} : 0$
 $y_2^3 y_3^4 y_{12} y_{16} : 0$
 $y_2^3 y_{12}^2 y_{16} : 0$

```

        y2^3 y20^2 : 0
        y2^2 y3^14 : 0
        y2^2 y3^10 y12 : 0
        y2^2 y3^6 y12^2 : 0
        y2^2 y3^2 y12^3 : 0
        y2^2 y3^2 y16 y20 : 0
        y2 y3^8 y20 : 0
        y2 y3^4 y12 y20 : 0
        y2 y3^4 y16^2 : 0
        y2 y12^2 y20 : y2 y12^2 y20
        y2 y12 y16^2 : 0
        y3^10 y16 : 0
        y3^6 y12 y16 : 0
        y3^2 y12^2 y16 : 0
        y3^2 y20^2 : 0

```

Degree 47

```

        y2^22 y3 : 0
        y2^19 y3^3 : 0
        y2^16 y3^5 : 0
        y2^16 y3 y12 : 0
        y2^14 y3 y16 : 0
        y2^13 y3^7 : 0
        y2^13 y3^3 y12 : 0
        y2^12 y3 y20 : y2^12 y3 y20
        y2^11 y3^3 y16 : 0
        y2^10 y3^9 : 0
        y2^10 y3^5 y12 : 0
        y2^10 y3 y12^2 : 0
        y2^9 y3^3 y20 : 0
        y2^8 y3^5 y16 : 0
        y2^8 y3 y12 y16 : 0
        y2^7 y3^11 : 0
        y2^7 y3^7 y12 : 0
        y2^7 y3^3 y12^2 : 0
        y2^6 y3^5 y20 : 0
        y2^6 y3 y12 y20 : y2^6 y3 y12 y20
        y2^6 y3 y16^2 : 0
        y2^5 y3^7 y16 : 0
        y2^5 y3^3 y12 y16 : 0
        y2^4 y3^13 : 0
        y2^4 y3^9 y12 : 0
        y2^4 y3^5 y12^2 : 0
        y2^4 y3 y12^3 : 0
        y2^4 y3 y16 y20 : 0
        y2^3 y3^7 y20 : 0
        y2^3 y3^3 y12 y20 : 0
        y2^3 y3^3 y16^2 : 0
        y2^2 y3^9 y16 : 0
        y2^2 y3^5 y12 y16 : 0
        y2^2 y3 y12^2 y16 : 0
        y2^2 y3 y20^2 : 0
        y2 y3^15 : 0
        y2 y3^11 y12 : 0
        y2 y3^7 y12^2 : 0

```

$y^2 y^3 y^{12} : 0$
 $y^2 y^3 y^{16} y^{20} : 0$
 $y^3 y^9 y^{20} : 0$
 $y^3 y^5 y^{12} y^{20} : 0$
 $y^3 y^5 y^{16} y^2 : 0$
 $y^3 y^{12} y^{20} : 0$
 $y^3 y^{12} y^{16} y^2 : 0$

Degree 48

$y^{24} : 0$
 $y^{21} y^3 y^2 : 0$
 $y^{18} y^3 y^4 : 0$
 $y^{18} y^{12} : 0$
 $y^{16} y^{16} : 0$
 $y^{15} y^3 y^6 : 0$
 $y^{15} y^3 y^2 y^{12} : 0$
 $y^{14} y^{20} : y^{26} y^{16} y^{20} + y^{12} y^{16} y^{20}$
 $y^{13} y^3 y^2 y^{16} : 0$
 $y^{12} y^3 y^8 : 0$
 $y^{12} y^3 y^4 y^{12} : 0$
 $y^{12} y^{12} y^2 y^{20} + y^{26} y^{16} y^{20}$
 $y^{11} y^3 y^2 y^{20} : y^{22} y^{12} y^2 y^{20} + y^{26} y^{16} y^{20}$
 $y^{10} y^3 y^4 y^{16} : 0$
 $y^{10} y^{12} y^{16} : 0$
 $y^9 y^3 y^{10} : 0$
 $y^9 y^3 y^6 y^{12} : 0$
 $y^9 y^3 y^2 y^{12} y^2 : 0$
 $y^8 y^3 y^4 y^{20} : 0$
 $y^8 y^{12} y^{20} : y^{28} y^{12} y^{20}$
 $y^8 y^{16} y^2 : 0$
 $y^7 y^3 y^6 y^{16} : 0$
 $y^7 y^3 y^2 y^{12} y^{16} : 0$
 $y^6 y^3 y^{12} : 0$
 $y^6 y^3 y^8 y^{12} : 0$
 $y^6 y^3 y^4 y^{12} y^2 : 0$
 $y^6 y^{12} y^3 : y^{22} y^{12} y^2 y^{20}$
 $y^6 y^{16} y^{20} : y^{26} y^{16} y^{20}$
 $y^5 y^3 y^6 y^{20} : 0$
 $y^5 y^3 y^2 y^{12} y^{20} : y^{22} y^{12} y^2 y^{20}$
 $y^5 y^3 y^2 y^{16} y^2 : 0$
 $y^4 y^3 y^8 y^{16} : 0$
 $y^4 y^3 y^4 y^{12} y^{16} : 0$
 $y^4 y^{12} y^2 y^{16} : 0$
 $y^4 y^{20} y^2 : 0$
 $y^3 y^3 y^{14} : 0$
 $y^3 y^3 y^{10} y^{12} : 0$
 $y^3 y^3 y^6 y^{12} y^2 : 0$
 $y^3 y^3 y^2 y^{12} y^3 : 0$
 $y^3 y^3 y^2 y^{16} y^{20} : 0$
 $y^2 y^3 y^8 y^{20} : 0$
 $y^2 y^3 y^4 y^{12} y^{20} : 0$
 $y^2 y^3 y^4 y^{16} y^2 : 0$
 $y^2 y^{12} y^2 y^{20} : y^{22} y^{12} y^2 y^{20}$
 $y^2 y^{12} y^{16} y^2 : 0$
 $y^2 y^3 y^{10} y^{16} : 0$

$$\begin{aligned}
& y^2 y^3^6 y^{12} y^{16} : 0 \\
& y^2 y^3^2 y^{12^2} y^{16} : 0 \\
& \quad y^2 y^3^2 y^{20^2} : 0 \\
& \quad \quad y^3^{16} : 0 \\
& \quad \quad y^3^{12} y^{12} : 0 \\
& \quad \quad y^3^8 y^{12^2} : 0 \\
& \quad \quad y^3^4 y^{12^3} : 0 \\
& \quad y^3^4 y^{16} y^{20} : 0 \\
& \quad \quad y^{12^4} : y^2 y^2 y^{12^2} y^{20} + y^{12} y^{16} y^{20} \\
& \quad y^{12} y^{16} y^{20} : y^{12} y^{16} y^{20} \\
& \quad \quad y^{16^3} : y^2 y^2 y^{12^2} y^{20} + y^{12} y^{16} y^{20}
\end{aligned}$$

Degree 49

$$\begin{aligned}
& \quad \quad y^{2^{23}} y^3 : 0 \\
& \quad \quad y^{2^{20}} y^3^3 : 0 \\
& \quad \quad y^{2^{17}} y^3^5 : 0 \\
& \quad y^{2^{17}} y^3 y^{12} : 0 \\
& \quad y^{2^{15}} y^3 y^{16} : 0 \\
& \quad \quad y^{2^{14}} y^3^7 : 0 \\
& \quad y^{2^{14}} y^3^3 y^{12} : 0 \\
& \quad \quad y^{2^{13}} y^3 y^{20} : y^{2^{13}} y^3 y^{20} \\
& \quad y^{2^{12}} y^3^3 y^{16} : 0 \\
& \quad \quad y^{2^{11}} y^3^9 : 0 \\
& \quad y^{2^{11}} y^3^5 y^{12} : 0 \\
& \quad y^{2^{11}} y^3 y^{12^2} : 0 \\
& \quad y^{2^{10}} y^3^3 y^{20} : 0 \\
& \quad y^{2^9} y^3^5 y^{16} : 0 \\
& \quad y^{2^9} y^3 y^{12} y^{16} : 0 \\
& \quad \quad y^{2^8} y^3^{11} : 0 \\
& \quad \quad y^{2^8} y^3^7 y^{12} : 0 \\
& \quad y^{2^8} y^3^3 y^{12^2} : 0 \\
& \quad \quad y^{2^7} y^3^5 y^{20} : 0 \\
& \quad y^{2^7} y^3 y^{12} y^{20} : y^{2^7} y^3 y^{12} y^{20} \\
& \quad \quad y^{2^7} y^3 y^{16^2} : 0 \\
& \quad \quad y^{2^6} y^3^7 y^{16} : 0 \\
& \quad y^{2^6} y^3^3 y^{12} y^{16} : 0 \\
& \quad \quad y^{2^5} y^3^{13} : 0 \\
& \quad \quad y^{2^5} y^3^9 y^{12} : 0 \\
& \quad y^{2^5} y^3^5 y^{12^2} : 0 \\
& \quad \quad y^{2^5} y^3 y^{12^3} : 0 \\
& \quad y^{2^5} y^3 y^{16} y^{20} : 0 \\
& \quad \quad y^{2^4} y^3^7 y^{20} : 0 \\
& \quad y^{2^4} y^3^3 y^{12} y^{20} : 0 \\
& \quad \quad y^{2^4} y^3^3 y^{16^2} : 0 \\
& \quad \quad y^{2^3} y^3^9 y^{16} : 0 \\
& \quad y^{2^3} y^3^5 y^{12} y^{16} : 0 \\
& \quad y^{2^3} y^3 y^{12^2} y^{16} : 0 \\
& \quad \quad y^{2^3} y^3 y^{20^2} : 0 \\
& \quad \quad y^{2^2} y^3^{15} : 0 \\
& \quad \quad y^{2^2} y^3^{11} y^{12} : 0 \\
& \quad \quad y^{2^2} y^3^7 y^{12^2} : 0 \\
& \quad \quad y^{2^2} y^3^3 y^{12^3} : 0 \\
& \quad y^{2^2} y^3^3 y^{16} y^{20} : 0 \\
& \quad \quad y^2 y^3^9 y^{20} : 0 \\
& \quad y^2 y^3^5 y^{12} y^{20} : 0
\end{aligned}$$

```

y2 y3^5 y16^2 : 0
y2 y3 y12^2 y20 : 0
y2 y3 y12 y16^2 : 0
  y3^11 y16 : 0
  y3^7 y12 y16 : 0
  y3^3 y12^2 y16 : 0
    y3^3 y20^2 : 0

```

Degree 50

```

      y2^25 : 0
      y2^22 y3^2 : 0
      y2^19 y3^4 : 0
      y2^19 y12 : 0
      y2^17 y16 : 0
      y2^16 y3^6 : 0
y2^16 y3^2 y12 : 0
      y2^15 y20 : y2^7 y16 y20 + y2 y12 y16 y20
y2^14 y3^2 y16 : 0
      y2^13 y3^8 : 0
y2^13 y3^4 y12 : 0
      y2^13 y12^2 : y2^7 y16 y20 + y2 y12 y16 y20
y2^12 y3^2 y20 : y2^7 y16 y20 + y2 y12 y16 y20
y2^11 y3^4 y16 : 0
      y2^11 y12 y16 : 0
      y2^10 y3^10 : 0
      y2^10 y3^6 y12 : 0
y2^10 y3^2 y12^2 : 0
      y2^9 y3^4 y20 : 0
      y2^9 y12 y20 : y2^9 y12 y20
      y2^9 y16^2 : 0
      y2^8 y3^6 y16 : 0
y2^8 y3^2 y12 y16 : 0
      y2^7 y3^12 : 0
      y2^7 y3^8 y12 : 0
y2^7 y3^4 y12^2 : 0
      y2^7 y12^3 : y2 y12 y16 y20
      y2^7 y16 y20 : y2^7 y16 y20
      y2^6 y3^6 y20 : 0
y2^6 y3^2 y12 y20 : y2 y12 y16 y20
      y2^6 y3^2 y16^2 : 0
      y2^5 y3^8 y16 : 0
y2^5 y3^4 y12 y16 : 0
      y2^5 y12^2 y16 : 0
      y2^5 y20^2 : 0
      y2^4 y3^14 : 0
      y2^4 y3^10 y12 : 0
      y2^4 y3^6 y12^2 : 0
      y2^4 y3^2 y12^3 : 0
y2^4 y3^2 y16 y20 : 0
      y2^3 y3^8 y20 : 0
y2^3 y3^4 y12 y20 : 0
      y2^3 y3^4 y16^2 : 0
      y2^3 y12^2 y20 : y2 y12 y16 y20
      y2^3 y12 y16^2 : 0
      y2^2 y3^10 y16 : 0

```



```

y2^2 y3^6 y12 y16 : 0
y2^2 y3^2 y12^2 y16 : 0
  y2^2 y3^2 y20^2 : 0
    y2 y3^16 : 0
      y2 y3^12 y12 : 0
        y2 y3^8 y12^2 : 0
          y2 y3^4 y12^3 : 0
            y2 y3^4 y16 y20 : 0
              y2 y12^4 : 0
                y2 y12 y16 y20 : y2 y12 y16 y20
                  y2 y16^3 : 0
                    y3^10 y20 : 0
                      y3^6 y12 y20 : 0
                        y3^6 y16^2 : 0
                          y3^2 y12^2 y20 : 0
                            y3^2 y12 y16^2 : 0

```

Degree 51

```

  y2^24 y3 : 0
    y2^21 y3^3 : 0
      y2^18 y3^5 : 0
        y2^18 y3 y12 : 0
          y2^16 y3 y16 : 0
            y2^15 y3^7 : 0
              y2^15 y3^3 y12 : 0
                y2^14 y3 y20 : 0
                  y2^13 y3^3 y16 : 0
                    y2^12 y3^9 : 0
                      y2^12 y3^5 y12 : 0
                        y2^12 y3 y12^2 : 0
                          y2^11 y3^3 y20 : 0
                            y2^10 y3^5 y16 : 0
                              y2^10 y3 y12 y16 : 0
                                y2^9 y3^11 : 0
                                  y2^9 y3^7 y12 : 0
                                    y2^9 y3^3 y12^2 : 0
                                      y2^8 y3^5 y20 : 0
                                        y2^8 y3 y12 y20 : y2^8 y3 y12 y20
                                          y2^8 y3 y16^2 : 0
                                            y2^7 y3^7 y16 : 0
                                              y2^7 y3^3 y12 y16 : 0
                                                y2^6 y3^13 : 0
                                                  y2^6 y3^9 y12 : 0
                                                    y2^6 y3^5 y12^2 : 0
                                                      y2^6 y3 y12^3 : 0
                                                        y2^6 y3 y16 y20 : 0
                                                          y2^5 y3^7 y20 : 0
                                                            y2^5 y3^3 y12 y20 : 0
                                                              y2^5 y3^3 y16^2 : 0
                                                                y2^4 y3^9 y16 : 0
                                                                  y2^4 y3^5 y12 y16 : 0
                                                                    y2^4 y3 y12^2 y16 : 0
                                                                      y2^4 y3 y20^2 : 0
                                                                        y2^3 y3^15 : 0
                                                                          y2^3 y3^11 y12 : 0

```

$y_2^3 y_3^7 y_{12}^2 : 0$
 $y_2^3 y_3^3 y_{12}^3 : 0$
 $y_2^3 y_3^3 y_{16} y_{20} : 0$
 $y_2^2 y_3^9 y_{20} : 0$
 $y_2^2 y_3^5 y_{12} y_{20} : 0$
 $y_2^2 y_3^5 y_{16}^2 : 0$
 $y_2^2 y_3 y_{12}^2 y_{20} : 0$
 $y_2^2 y_3 y_{12} y_{16}^2 : 0$
 $y_2 y_3^{11} y_{16} : 0$
 $y_2 y_3^7 y_{12} y_{16} : 0$
 $y_2 y_3^3 y_{12}^2 y_{16} : 0$
 $y_2 y_3^3 y_{20}^2 : 0$
 $y_3^{17} : 0$
 $y_3^{13} y_{12} : 0$
 $y_3^9 y_{12}^2 : 0$
 $y_3^5 y_{12}^3 : 0$
 $y_3^5 y_{16} y_{20} : 0$
 $y_3 y_{12}^4 : 0$
 $y_3 y_{12} y_{16} y_{20} : 0$
 $y_3 y_{16}^3 : 0$

Degree 52

$y_2^{26} : 0$
 $y_2^{23} y_3^2 : 0$
 $y_2^{20} y_3^4 : 0$
 $y_2^{20} y_{12} : 0$
 $y_2^{18} y_{16} : 0$
 $y_2^{17} y_3^6 : 0$
 $y_2^{17} y_3^2 y_{12} : 0$
 $y_2^{16} y_{20} : y_{12} y_{20}^2$
 $y_2^{15} y_3^2 y_{16} : 0$
 $y_2^{14} y_3^8 : 0$
 $y_2^{14} y_3^4 y_{12} : 0$
 $y_2^{14} y_{12}^2 : y_{12} y_{20}^2$
 $y_2^{13} y_3^2 y_{20} : y_{12} y_{20}^2$
 $y_2^{12} y_3^4 y_{16} : 0$
 $y_2^{12} y_{12} y_{16} : 0$
 $y_2^{11} y_3^{10} : 0$
 $y_2^{11} y_3^6 y_{12} : 0$
 $y_2^{11} y_3^2 y_{12}^2 : 0$
 $y_2^{10} y_3^4 y_{20} : 0$
 $y_2^{10} y_{12} y_{20} : y_2^{10} y_{12} y_{20}$
 $y_2^{10} y_{16}^2 : 0$
 $y_2^9 y_3^6 y_{16} : 0$
 $y_2^9 y_3^2 y_{12} y_{16} : 0$
 $y_2^8 y_3^{12} : 0$
 $y_2^8 y_3^8 y_{12} : 0$
 $y_2^8 y_3^4 y_{12}^2 : 0$
 $y_2^8 y_{12}^3 : y_2^2 y_{12} y_{16} y_{20}$
 $y_2^8 y_{16} y_{20} : y_2^2 y_{12} y_{16} y_{20} + y_{12} y_{20}^2$
 $y_2^7 y_3^6 y_{20} : 0$
 $y_2^7 y_3^2 y_{12} y_{20} : y_2^2 y_{12} y_{16} y_{20}$
 $y_2^7 y_3^2 y_{16}^2 : 0$
 $y_2^6 y_3^8 y_{16} : 0$
 $y_2^6 y_3^4 y_{12} y_{16} : 0$

```

y2^6 y12^2 y16 : 0
  y2^6 y20^2 : 0
    y2^5 y3^14 : 0
      y2^5 y3^10 y12 : 0
        y2^5 y3^6 y12^2 : 0
          y2^5 y3^2 y12^3 : 0
            y2^5 y3^2 y16 y20 : 0
              y2^4 y3^8 y20 : 0
                y2^4 y3^4 y12 y20 : 0
                  y2^4 y3^4 y16^2 : 0
                    y2^4 y12^2 y20 : y2^2 y12 y16 y20
                      y2^4 y12 y16^2 : 0
                        y2^3 y3^10 y16 : 0
                          y2^3 y3^6 y12 y16 : 0
                            y2^3 y3^2 y12^2 y16 : 0
                              y2^3 y3^2 y20^2 : 0
                                y2^2 y3^16 : 0
                                  y2^2 y3^12 y12 : 0
                                    y2^2 y3^8 y12^2 : 0
                                      y2^2 y3^4 y12^3 : 0
                                        y2^2 y3^4 y16 y20 : 0
                                          y2^2 y12^4 : 0
                                            y2^2 y12 y16 y20 : y2^2 y12 y16 y20
                                              y2^2 y16^3 : 0
                                                y2 y3^10 y20 : 0
                                                  y2 y3^6 y12 y20 : 0
                                                    y2 y3^6 y16^2 : 0
                                                      y2 y3^2 y12^2 y20 : 0
                                                        y2 y3^2 y12 y16^2 : 0
                                                          y3^12 y16 : 0
                                                            y3^8 y12 y16 : 0
                                                              y3^4 y12^2 y16 : 0
                                                                y3^4 y20^2 : 0
                                                                  y12^3 y16 : y12 y20^2
                                                                    y12 y20^2 : y12 y20^2
                                                                      y16^2 y20 : y12 y20^2

```

Degree 53

```

y2^25 y3 : 0
y2^22 y3^3 : 0
y2^19 y3^5 : 0
y2^19 y3 y12 : 0
y2^17 y3 y16 : 0
y2^16 y3^7 : 0
y2^16 y3^3 y12 : 0
y2^15 y3 y20 : 0
y2^14 y3^3 y16 : 0
y2^13 y3^9 : 0
y2^13 y3^5 y12 : 0
y2^13 y3 y12^2 : 0
y2^12 y3^3 y20 : 0
y2^11 y3^5 y16 : 0
y2^11 y3 y12 y16 : 0
y2^10 y3^11 : 0
y2^10 y3^7 y12 : 0

```

```

y2^10 y3^3 y12^2 : 0
  y2^9 y3^5 y20 : 0
    y2^9 y3 y12 y20 : y2^9 y3 y12 y20
      y2^9 y3 y16^2 : 0
        y2^8 y3^7 y16 : 0
          y2^8 y3^3 y12 y16 : 0
            y2^7 y3^13 : 0
              y2^7 y3^9 y12 : 0
                y2^7 y3^5 y12^2 : 0
                  y2^7 y3 y12^3 : 0
                    y2^7 y3 y16 y20 : 0
                      y2^6 y3^7 y20 : 0
                        y2^6 y3^3 y12 y20 : 0
                          y2^6 y3^3 y16^2 : 0
                            y2^5 y3^9 y16 : 0
                              y2^5 y3^5 y12 y16 : 0
                                y2^5 y3 y12^2 y16 : 0
                                  y2^5 y3 y20^2 : 0
                                    y2^4 y3^15 : 0
                                      y2^4 y3^11 y12 : 0
                                        y2^4 y3^7 y12^2 : 0
                                          y2^4 y3^3 y12^3 : 0
                                            y2^4 y3^3 y16 y20 : 0
                                              y2^3 y3^9 y20 : 0
                                                y2^3 y3^5 y12 y20 : 0
                                                  y2^3 y3^5 y16^2 : 0
                                                    y2^3 y3 y12^2 y20 : 0
                                                      y2^3 y3 y12 y16^2 : 0
                                                        y2^2 y3^11 y16 : 0
                                                          y2^2 y3^7 y12 y16 : 0
                                                            y2^2 y3^3 y12^2 y16 : 0
                                                              y2^2 y3^3 y20^2 : 0
                                                                y2 y3^17 : 0
                                                                  y2 y3^13 y12 : 0
                                                                    y2 y3^9 y12^2 : 0
                                                                      y2 y3^5 y12^3 : 0
                                                                        y2 y3^5 y16 y20 : 0
                                                                          y2 y3 y12^4 : 0
                                                                            y2 y3 y12 y16 y20 : 0
                                                                              y2 y3 y16^3 : 0
                                                                                y3^11 y20 : 0
                                                                                  y3^7 y12 y20 : 0
                                                                                      y3^7 y16^2 : 0
                                                                                        y3^3 y12^2 y20 : 0
                                                                                          y3^3 y12 y16^2 : 0

```

Degree 54

```

          y2^27 : 0
        y2^24 y3^2 : 0
      y2^21 y3^4 : 0
    y2^21 y12 : 0
  y2^19 y16 : 0
y2^18 y3^6 : 0
y2^18 y3^2 y12 : 0
  y2^17 y20 : 0

```

$y_2^{16} y_3^2 y_{16} : 0$
 $y_2^{15} y_3^8 : 0$
 $y_2^{15} y_3^4 y_{12} : 0$
 $y_2^{15} y_{12}^2 : 0$
 $y_2^{14} y_3^2 y_{20} : 0$
 $y_2^{13} y_3^4 y_{16} : 0$
 $y_2^{13} y_{12} y_{16} : 0$
 $y_2^{12} y_3^{10} : 0$
 $y_2^{12} y_3^6 y_{12} : 0$
 $y_2^{12} y_3^2 y_{12}^2 : 0$
 $y_2^{11} y_3^4 y_{20} : 0$
 $y_2^{11} y_{12} y_{20} : y_2^{11} y_{12} y_{20}$
 $y_2^{11} y_{16}^2 : 0$
 $y_2^{10} y_3^6 y_{16} : 0$
 $y_2^{10} y_3^2 y_{12} y_{16} : 0$
 $y_2^9 y_3^{12} : 0$
 $y_2^9 y_3^8 y_{12} : 0$
 $y_2^9 y_3^4 y_{12}^2 : 0$
 $y_2^9 y_{12}^3 : y_2^3 y_{12} y_{16} y_{20}$
 $y_2^9 y_{16} y_{20} : y_2^3 y_{12} y_{16} y_{20}$
 $y_2^8 y_3^6 y_{20} : 0$
 $y_2^8 y_3^2 y_{12} y_{20} : y_2^3 y_{12} y_{16} y_{20}$
 $y_2^8 y_3^2 y_{16}^2 : 0$
 $y_2^7 y_3^8 y_{16} : 0$
 $y_2^7 y_3^4 y_{12} y_{16} : 0$
 $y_2^7 y_{12}^2 y_{16} : 0$
 $y_2^7 y_{20}^2 : 0$
 $y_2^6 y_3^{14} : 0$
 $y_2^6 y_3^{10} y_{12} : 0$
 $y_2^6 y_3^6 y_{12}^2 : 0$
 $y_2^6 y_3^2 y_{12}^3 : 0$
 $y_2^6 y_3^2 y_{16} y_{20} : 0$
 $y_2^5 y_3^8 y_{20} : 0$
 $y_2^5 y_3^4 y_{12} y_{20} : 0$
 $y_2^5 y_3^4 y_{16}^2 : 0$
 $y_2^5 y_{12}^2 y_{20} : y_2^3 y_{12} y_{16} y_{20}$
 $y_2^5 y_{12} y_{16}^2 : 0$
 $y_2^4 y_3^{10} y_{16} : 0$
 $y_2^4 y_3^6 y_{12} y_{16} : 0$
 $y_2^4 y_3^2 y_{12}^2 y_{16} : 0$
 $y_2^4 y_3^2 y_{20}^2 : 0$
 $y_2^3 y_3^{16} : 0$
 $y_2^3 y_3^{12} y_{12} : 0$
 $y_2^3 y_3^8 y_{12}^2 : 0$
 $y_2^3 y_3^4 y_{12}^3 : 0$
 $y_2^3 y_3^4 y_{16} y_{20} : 0$
 $y_2^3 y_{12}^4 : 0$
 $y_2^3 y_{12} y_{16} y_{20} : y_2^3 y_{12} y_{16} y_{20}$
 $y_2^3 y_{16}^3 : 0$
 $y_2^2 y_3^{10} y_{20} : 0$
 $y_2^2 y_3^6 y_{12} y_{20} : 0$
 $y_2^2 y_3^6 y_{16}^2 : 0$
 $y_2^2 y_3^2 y_{12}^2 y_{20} : 0$
 $y_2^2 y_3^2 y_{12} y_{16}^2 : 0$
 $y_2 y_3^{12} y_{16} : 0$
 $y_2 y_3^8 y_{12} y_{16} : 0$
 $y_2 y_3^4 y_{12}^2 y_{16} : 0$

$y^2 y^3^4 y^{20^2} : 0$
 $y^2 y^{12^3} y^{16} : 0$
 $y^2 y^{12} y^{20^2} : 0$
 $y^2 y^{16^2} y^{20} : 0$
 $y^3^{18} : 0$
 $y^3^{14} y^{12} : 0$
 $y^3^{10} y^{12^2} : 0$
 $y^3^6 y^{12^3} : 0$
 $y^3^6 y^{16} y^{20} : 0$
 $y^3^2 y^{12^4} : 0$
 $y^3^2 y^{12} y^{16} y^{20} : 0$
 $y^3^2 y^{16^3} : 0$

Degree 55

$y^{2^26} y^3 : 0$
 $y^{2^23} y^3^3 : 0$
 $y^{2^20} y^3^5 : 0$
 $y^{2^20} y^3 y^{12} : 0$
 $y^{2^18} y^3 y^{16} : 0$
 $y^{2^17} y^3^7 : 0$
 $y^{2^17} y^3^3 y^{12} : 0$
 $y^{2^16} y^3 y^{20} : 0$
 $y^{2^15} y^3^3 y^{16} : 0$
 $y^{2^14} y^3^9 : 0$
 $y^{2^14} y^3^5 y^{12} : 0$
 $y^{2^14} y^3 y^{12^2} : 0$
 $y^{2^13} y^3^3 y^{20} : 0$
 $y^{2^12} y^3^5 y^{16} : 0$
 $y^{2^12} y^3 y^{12} y^{16} : 0$
 $y^{2^11} y^3^{11} : 0$
 $y^{2^11} y^3^7 y^{12} : 0$
 $y^{2^11} y^3^3 y^{12^2} : 0$
 $y^{2^10} y^3^5 y^{20} : 0$
 $y^{2^10} y^3 y^{12} y^{20} : y^{2^10} y^3 y^{12} y^{20}$
 $y^{2^10} y^3 y^{16^2} : 0$
 $y^{2^9} y^3^7 y^{16} : 0$
 $y^{2^9} y^3^3 y^{12} y^{16} : 0$
 $y^{2^8} y^3^{13} : 0$
 $y^{2^8} y^3^9 y^{12} : 0$
 $y^{2^8} y^3^5 y^{12^2} : 0$
 $y^{2^8} y^3 y^{12^3} : 0$
 $y^{2^8} y^3 y^{16} y^{20} : 0$
 $y^{2^7} y^3^7 y^{20} : 0$
 $y^{2^7} y^3^3 y^{12} y^{20} : 0$
 $y^{2^7} y^3^3 y^{16^2} : 0$
 $y^{2^6} y^3^9 y^{16} : 0$
 $y^{2^6} y^3^5 y^{12} y^{16} : 0$
 $y^{2^6} y^3 y^{12^2} y^{16} : 0$
 $y^{2^6} y^3 y^{20^2} : 0$
 $y^{2^5} y^3^{15} : 0$
 $y^{2^5} y^3^{11} y^{12} : 0$
 $y^{2^5} y^3^7 y^{12^2} : 0$
 $y^{2^5} y^3^3 y^{12^3} : 0$
 $y^{2^5} y^3^3 y^{16} y^{20} : 0$
 $y^{2^4} y^3^9 y^{20} : 0$

$y_2^4 y_3^5 y_{12} y_{20} : 0$
 $y_2^4 y_3^5 y_{16}^2 : 0$
 $y_2^4 y_3 y_{12}^2 y_{20} : 0$
 $y_2^4 y_3 y_{12} y_{16}^2 : 0$
 $y_2^3 y_3^{11} y_{16} : 0$
 $y_2^3 y_3^7 y_{12} y_{16} : 0$
 $y_2^3 y_3^3 y_{12}^2 y_{16} : 0$
 $y_2^3 y_3^3 y_{20}^2 : 0$
 $y_2^2 y_3^{17} : 0$
 $y_2^2 y_3^{13} y_{12} : 0$
 $y_2^2 y_3^9 y_{12}^2 : 0$
 $y_2^2 y_3^5 y_{12}^3 : 0$
 $y_2^2 y_3^5 y_{16} y_{20} : 0$
 $y_2^2 y_3 y_{12}^4 : 0$
 $y_2^2 y_3 y_{12} y_{16} y_{20} : 0$
 $y_2^2 y_3 y_{16}^3 : 0$
 $y_2 y_3^{11} y_{20} : 0$
 $y_2 y_3^7 y_{12} y_{20} : 0$
 $y_2 y_3^7 y_{16}^2 : 0$
 $y_2 y_3^3 y_{12}^2 y_{20} : 0$
 $y_2 y_3^3 y_{12} y_{16}^2 : 0$
 $y_3^{13} y_{16} : 0$
 $y_3^9 y_{12} y_{16} : 0$
 $y_3^5 y_{12}^2 y_{16} : 0$
 $y_3^5 y_{20}^2 : 0$
 $y_3 y_{12}^3 y_{16} : 0$
 $y_3 y_{12} y_{20}^2 : 0$
 $y_3 y_{16}^2 y_{20} : 0$

Degree 56

$y_2^{28} : 0$
 $y_2^{25} y_3^2 : 0$
 $y_2^{22} y_3^4 : 0$
 $y_2^{22} y_{12} : 0$
 $y_2^{20} y_{16} : 0$
 $y_2^{19} y_3^6 : 0$
 $y_2^{19} y_3^2 y_{12} : 0$
 $y_2^{18} y_{20} : 0$
 $y_2^{17} y_3^2 y_{16} : 0$
 $y_2^{16} y_3^8 : 0$
 $y_2^{16} y_3^4 y_{12} : 0$
 $y_2^{16} y_{12}^2 : 0$
 $y_2^{15} y_3^2 y_{20} : 0$
 $y_2^{14} y_3^4 y_{16} : 0$
 $y_2^{14} y_{12} y_{16} : 0$
 $y_2^{13} y_3^{10} : 0$
 $y_2^{13} y_3^6 y_{12} : 0$
 $y_2^{13} y_3^2 y_{12}^2 : 0$
 $y_2^{12} y_3^4 y_{20} : 0$
 $y_2^{12} y_{12} y_{20} : y_2^{12} y_{12} y_{20}$
 $y_2^{12} y_{16}^2 : 0$
 $y_2^{11} y_3^6 y_{16} : 0$
 $y_2^{11} y_3^2 y_{12} y_{16} : 0$
 $y_2^{10} y_3^{12} : 0$
 $y_2^{10} y_3^8 y_{12} : 0$

$y_2^{10} y_3^4 y_{12}^2 : 0$
 $y_2^{10} y_{12}^3 : y_2^4 y_{12} y_{16} y_{20}$
 $y_2^{10} y_{16} y_{20} : y_2^4 y_{12} y_{16} y_{20}$
 $y_2^9 y_3^6 y_{20} : 0$
 $y_2^9 y_3^2 y_{12} y_{20} : y_2^4 y_{12} y_{16} y_{20}$
 $y_2^9 y_3^2 y_{16}^2 : 0$
 $y_2^8 y_3^8 y_{16} : 0$
 $y_2^8 y_3^4 y_{12} y_{16} : 0$
 $y_2^8 y_{12}^2 y_{16} : 0$
 $y_2^8 y_{20}^2 : 0$
 $y_2^7 y_3^{14} : 0$
 $y_2^7 y_3^{10} y_{12} : 0$
 $y_2^7 y_3^6 y_{12}^2 : 0$
 $y_2^7 y_3^2 y_{12}^3 : 0$
 $y_2^7 y_3^2 y_{16} y_{20} : 0$
 $y_2^6 y_3^8 y_{20} : 0$
 $y_2^6 y_3^4 y_{12} y_{20} : 0$
 $y_2^6 y_3^4 y_{16}^2 : 0$
 $y_2^6 y_{12}^2 y_{20} : y_2^4 y_{12} y_{16} y_{20}$
 $y_2^6 y_{12} y_{16}^2 : 0$
 $y_2^5 y_3^{10} y_{16} : 0$
 $y_2^5 y_3^6 y_{12} y_{16} : 0$
 $y_2^5 y_3^2 y_{12}^2 y_{16} : 0$
 $y_2^5 y_3^2 y_{20}^2 : 0$
 $y_2^4 y_3^{16} : 0$
 $y_2^4 y_3^{12} y_{12} : 0$
 $y_2^4 y_3^8 y_{12}^2 : 0$
 $y_2^4 y_3^4 y_{12}^3 : 0$
 $y_2^4 y_3^4 y_{16} y_{20} : 0$
 $y_2^4 y_{12}^4 : 0$
 $y_2^4 y_{12} y_{16} y_{20} : y_2^4 y_{12} y_{16} y_{20}$
 $y_2^4 y_{16}^3 : 0$
 $y_2^3 y_3^{10} y_{20} : 0$
 $y_2^3 y_3^6 y_{12} y_{20} : 0$
 $y_2^3 y_3^6 y_{16}^2 : 0$
 $y_2^3 y_3^2 y_{12}^2 y_{20} : 0$
 $y_2^3 y_3^2 y_{12} y_{16}^2 : 0$
 $y_2^2 y_3^{12} y_{16} : 0$
 $y_2^2 y_3^8 y_{12} y_{16} : 0$
 $y_2^2 y_3^4 y_{12}^2 y_{16} : 0$
 $y_2^2 y_3^4 y_{20}^2 : 0$
 $y_2^2 y_{12}^3 y_{16} : 0$
 $y_2^2 y_{12} y_{20}^2 : 0$
 $y_2^2 y_{16}^2 y_{20} : 0$
 $y_2 y_3^{18} : 0$
 $y_2 y_3^{14} y_{12} : 0$
 $y_2 y_3^{10} y_{12}^2 : 0$
 $y_2 y_3^6 y_{12}^3 : 0$
 $y_2 y_3^6 y_{16} y_{20} : 0$
 $y_2 y_3^2 y_{12}^4 : 0$
 $y_2 y_3^2 y_{12} y_{16} y_{20} : 0$
 $y_2 y_3^2 y_{16}^3 : 0$
 $y_3^{12} y_{20} : 0$
 $y_3^8 y_{12} y_{20} : 0$
 $y_3^8 y_{16}^2 : 0$
 $y_3^4 y_{12}^2 y_{20} : 0$
 $y_3^4 y_{12} y_{16}^2 : 0$

$y_{12}^3 y_{20} : 0$
 $y_{12}^2 y_{16}^2 : 0$
 $y_{16} y_{20}^2 : 0$

Degree 57

$y_2^{27} y_3 : 0$
 $y_2^{24} y_3^3 : 0$
 $y_2^{21} y_3^5 : 0$
 $y_2^{21} y_3 y_{12} : 0$
 $y_2^{19} y_3 y_{16} : 0$
 $y_2^{18} y_3^7 : 0$
 $y_2^{18} y_3^3 y_{12} : 0$
 $y_2^{17} y_3 y_{20} : 0$
 $y_2^{16} y_3^3 y_{16} : 0$
 $y_2^{15} y_3^9 : 0$
 $y_2^{15} y_3^5 y_{12} : 0$
 $y_2^{15} y_3 y_{12}^2 : 0$
 $y_2^{14} y_3^3 y_{20} : 0$
 $y_2^{13} y_3^5 y_{16} : 0$
 $y_2^{13} y_3 y_{12} y_{16} : 0$
 $y_2^{12} y_3^{11} : 0$
 $y_2^{12} y_3^7 y_{12} : 0$
 $y_2^{12} y_3^3 y_{12}^2 : 0$
 $y_2^{11} y_3^5 y_{20} : 0$
 $y_2^{11} y_3 y_{12} y_{20} : y_2^{11} y_3 y_{12} y_{20}$
 $y_2^{11} y_3 y_{16}^2 : 0$
 $y_2^{10} y_3^7 y_{16} : 0$
 $y_2^{10} y_3^3 y_{12} y_{16} : 0$
 $y_2^9 y_3^{13} : 0$
 $y_2^9 y_3^9 y_{12} : 0$
 $y_2^9 y_3^5 y_{12}^2 : 0$
 $y_2^9 y_3 y_{12}^3 : 0$
 $y_2^9 y_3 y_{16} y_{20} : 0$
 $y_2^8 y_3^7 y_{20} : 0$
 $y_2^8 y_3^3 y_{12} y_{20} : 0$
 $y_2^8 y_3^3 y_{16}^2 : 0$
 $y_2^7 y_3^9 y_{16} : 0$
 $y_2^7 y_3^5 y_{12} y_{16} : 0$
 $y_2^7 y_3 y_{12}^2 y_{16} : 0$
 $y_2^7 y_3 y_{20}^2 : 0$
 $y_2^6 y_3^{15} : 0$
 $y_2^6 y_3^{11} y_{12} : 0$
 $y_2^6 y_3^7 y_{12}^2 : 0$
 $y_2^6 y_3^3 y_{12}^3 : 0$
 $y_2^6 y_3^3 y_{16} y_{20} : 0$
 $y_2^5 y_3^9 y_{20} : 0$
 $y_2^5 y_3^5 y_{12} y_{20} : 0$
 $y_2^5 y_3^5 y_{16}^2 : 0$
 $y_2^5 y_3 y_{12}^2 y_{20} : 0$
 $y_2^5 y_3 y_{12} y_{16}^2 : 0$
 $y_2^4 y_3^{11} y_{16} : 0$
 $y_2^4 y_3^7 y_{12} y_{16} : 0$
 $y_2^4 y_3^3 y_{12}^2 y_{16} : 0$
 $y_2^4 y_3^3 y_{20}^2 : 0$
 $y_2^3 y_3^{17} : 0$

```

y2^3 y3^13 y12 : 0
y2^3 y3^9 y12^2 : 0
y2^3 y3^5 y12^3 : 0
y2^3 y3^5 y16 y20 : 0
y2^3 y3 y12^4 : 0
y2^3 y3 y12 y16 y20 : 0
y2^3 y3 y16^3 : 0
y2^2 y3^11 y20 : 0
y2^2 y3^7 y12 y20 : 0
y2^2 y3^7 y16^2 : 0
y2^2 y3^3 y12^2 y20 : 0
y2^2 y3^3 y12 y16^2 : 0
y2 y3^13 y16 : 0
y2 y3^9 y12 y16 : 0
y2 y3^5 y12^2 y16 : 0
y2 y3^5 y20^2 : 0
y2 y3 y12^3 y16 : 0
y2 y3 y12 y20^2 : 0
y2 y3 y16^2 y20 : 0
y3^19 : 0
y3^15 y12 : 0
y3^11 y12^2 : 0
y3^7 y12^3 : 0
y3^7 y16 y20 : 0
y3^3 y12^4 : 0
y3^3 y12 y16 y20 : 0
y3^3 y16^3 : 0

```

Degree 58

```

y2^29 : 0
y2^26 y3^2 : 0
y2^23 y3^4 : 0
y2^23 y12 : 0
y2^21 y16 : 0
y2^20 y3^6 : 0
y2^20 y3^2 y12 : 0
y2^19 y20 : 0
y2^18 y3^2 y16 : 0
y2^17 y3^8 : 0
y2^17 y3^4 y12 : 0
y2^17 y12^2 : 0
y2^16 y3^2 y20 : 0
y2^15 y3^4 y16 : 0
y2^15 y12 y16 : 0
y2^14 y3^10 : 0
y2^14 y3^6 y12 : 0
y2^14 y3^2 y12^2 : 0
y2^13 y3^4 y20 : 0
y2^13 y12 y20 : y2^13 y12 y20
y2^13 y16^2 : 0
y2^12 y3^6 y16 : 0
y2^12 y3^2 y12 y16 : 0
y2^11 y3^12 : 0
y2^11 y3^8 y12 : 0
y2^11 y3^4 y12^2 : 0

```

$y_2^{11} y_{12}^3 : y_2^5 y_{12} y_{16} y_{20}$
 $y_2^{11} y_{16} y_{20} : y_2^5 y_{12} y_{16} y_{20}$
 $y_2^{10} y_3^6 y_{20} : 0$
 $y_2^{10} y_3^2 y_{12} y_{20} : y_2^5 y_{12} y_{16} y_{20}$
 $y_2^{10} y_3^2 y_{16}^2 : 0$
 $y_2^9 y_3^8 y_{16} : 0$
 $y_2^9 y_3^4 y_{12} y_{16} : 0$
 $y_2^9 y_{12}^2 y_{16} : 0$
 $y_2^9 y_{20}^2 : 0$
 $y_2^8 y_3^{14} : 0$
 $y_2^8 y_3^{10} y_{12} : 0$
 $y_2^8 y_3^6 y_{12}^2 : 0$
 $y_2^8 y_3^2 y_{12}^3 : 0$
 $y_2^8 y_3^2 y_{16} y_{20} : 0$
 $y_2^7 y_3^8 y_{20} : 0$
 $y_2^7 y_3^4 y_{12} y_{20} : 0$
 $y_2^7 y_3^4 y_{16}^2 : 0$
 $y_2^7 y_{12}^2 y_{20} : y_2^5 y_{12} y_{16} y_{20}$
 $y_2^7 y_{12} y_{16}^2 : 0$
 $y_2^6 y_3^{10} y_{16} : 0$
 $y_2^6 y_3^6 y_{12} y_{16} : 0$
 $y_2^6 y_3^2 y_{12}^2 y_{16} : 0$
 $y_2^6 y_3^2 y_{20}^2 : 0$
 $y_2^5 y_3^{16} : 0$
 $y_2^5 y_3^{12} y_{12} : 0$
 $y_2^5 y_3^8 y_{12}^2 : 0$
 $y_2^5 y_3^4 y_{12}^3 : 0$
 $y_2^5 y_3^4 y_{16} y_{20} : 0$
 $y_2^5 y_{12}^4 : 0$
 $y_2^5 y_{12} y_{16} y_{20} : y_2^5 y_{12} y_{16} y_{20}$
 $y_2^5 y_{16}^3 : 0$
 $y_2^4 y_3^{10} y_{20} : 0$
 $y_2^4 y_3^6 y_{12} y_{20} : 0$
 $y_2^4 y_3^6 y_{16}^2 : 0$
 $y_2^4 y_3^2 y_{12}^2 y_{20} : 0$
 $y_2^4 y_3^2 y_{12} y_{16}^2 : 0$
 $y_2^3 y_3^{12} y_{16} : 0$
 $y_2^3 y_3^8 y_{12} y_{16} : 0$
 $y_2^3 y_3^4 y_{12}^2 y_{16} : 0$
 $y_2^3 y_3^4 y_{20}^2 : 0$
 $y_2^3 y_{12}^3 y_{16} : 0$
 $y_2^3 y_{12} y_{20}^2 : 0$
 $y_2^3 y_{16}^2 y_{20} : 0$
 $y_2^2 y_3^{18} : 0$
 $y_2^2 y_3^{14} y_{12} : 0$
 $y_2^2 y_3^{10} y_{12}^2 : 0$
 $y_2^2 y_3^6 y_{12}^3 : 0$
 $y_2^2 y_3^6 y_{16} y_{20} : 0$
 $y_2^2 y_3^2 y_{12}^4 : 0$
 $y_2^2 y_3^2 y_{12} y_{16} y_{20} : 0$
 $y_2^2 y_3^2 y_{16}^3 : 0$
 $y_2 y_3^{12} y_{20} : 0$
 $y_2 y_3^8 y_{12} y_{20} : 0$
 $y_2 y_3^8 y_{16}^2 : 0$
 $y_2 y_3^4 y_{12}^2 y_{20} : 0$
 $y_2 y_3^4 y_{12} y_{16}^2 : 0$
 $y_2 y_{12}^3 y_{20} : 0$

$y^2 y^{12^2} y^{16^2} : 0$
 $y^2 y^{16} y^{20^2} : 0$
 $y^3^{14} y^{16} : 0$
 $y^3^{10} y^{12} y^{16} : 0$
 $y^3^6 y^{12^2} y^{16} : 0$
 $y^3^6 y^{20^2} : 0$
 $y^3^2 y^{12^3} y^{16} : 0$
 $y^3^2 y^{12} y^{20^2} : 0$
 $y^3^2 y^{16^2} y^{20} : 0$

Degree 59

$y^{2^28} y^3 : 0$
 $y^{2^25} y^3^3 : 0$
 $y^{2^22} y^3^5 : 0$
 $y^{2^22} y^3 y^{12} : 0$
 $y^{2^20} y^3 y^{16} : 0$
 $y^{2^19} y^3^7 : 0$
 $y^{2^19} y^3^3 y^{12} : 0$
 $y^{2^18} y^3 y^{20} : 0$
 $y^{2^17} y^3^3 y^{16} : 0$
 $y^{2^16} y^3^9 : 0$
 $y^{2^16} y^3^5 y^{12} : 0$
 $y^{2^16} y^3 y^{12^2} : 0$
 $y^{2^15} y^3^3 y^{20} : 0$
 $y^{2^14} y^3^5 y^{16} : 0$
 $y^{2^14} y^3 y^{12} y^{16} : 0$
 $y^{2^13} y^3^{11} : 0$
 $y^{2^13} y^3^7 y^{12} : 0$
 $y^{2^13} y^3^3 y^{12^2} : 0$
 $y^{2^12} y^3^5 y^{20} : 0$
 $y^{2^12} y^3 y^{12} y^{20} : y^{2^12} y^3 y^{12} y^{20}$
 $y^{2^12} y^3 y^{16^2} : 0$
 $y^{2^11} y^3^7 y^{16} : 0$
 $y^{2^11} y^3^3 y^{12} y^{16} : 0$
 $y^{2^10} y^3^{13} : 0$
 $y^{2^10} y^3^9 y^{12} : 0$
 $y^{2^10} y^3^5 y^{12^2} : 0$
 $y^{2^10} y^3 y^{12^3} : 0$
 $y^{2^10} y^3 y^{16} y^{20} : 0$
 $y^{2^9} y^3^7 y^{20} : 0$
 $y^{2^9} y^3^3 y^{12} y^{20} : 0$
 $y^{2^9} y^3^3 y^{16^2} : 0$
 $y^{2^8} y^3^9 y^{16} : 0$
 $y^{2^8} y^3^5 y^{12} y^{16} : 0$
 $y^{2^8} y^3 y^{12^2} y^{16} : 0$
 $y^{2^8} y^3 y^{20^2} : 0$
 $y^{2^7} y^3^{15} : 0$
 $y^{2^7} y^3^{11} y^{12} : 0$
 $y^{2^7} y^3^7 y^{12^2} : 0$
 $y^{2^7} y^3^3 y^{12^3} : 0$
 $y^{2^7} y^3^3 y^{16} y^{20} : 0$
 $y^{2^6} y^3^9 y^{20} : 0$
 $y^{2^6} y^3^5 y^{12} y^{20} : 0$
 $y^{2^6} y^3^5 y^{16^2} : 0$
 $y^{2^6} y^3 y^{12^2} y^{20} : 0$

```

y2^6 y3 y12 y16^2 : 0
  y2^5 y3^11 y16 : 0
y2^5 y3^7 y12 y16 : 0
y2^5 y3^3 y12^2 y16 : 0
  y2^5 y3^3 y20^2 : 0
    y2^4 y3^17 : 0
  y2^4 y3^13 y12 : 0
  y2^4 y3^9 y12^2 : 0
  y2^4 y3^5 y12^3 : 0
y2^4 y3^5 y16 y20 : 0
  y2^4 y3 y12^4 : 0
y2^4 y3 y12 y16 y20 : 0
  y2^4 y3 y16^3 : 0
  y2^3 y3^11 y20 : 0
y2^3 y3^7 y12 y20 : 0
  y2^3 y3^7 y16^2 : 0
y2^3 y3^3 y12^2 y20 : 0
y2^3 y3^3 y12 y16^2 : 0
  y2^2 y3^13 y16 : 0
  y2^2 y3^9 y12 y16 : 0
y2^2 y3^5 y12^2 y16 : 0
  y2^2 y3^5 y20^2 : 0
  y2^2 y3 y12^3 y16 : 0
  y2^2 y3 y12 y20^2 : 0
  y2^2 y3 y16^2 y20 : 0
    y2 y3^19 : 0
  y2 y3^15 y12 : 0
  y2 y3^11 y12^2 : 0
  y2 y3^7 y12^3 : 0
  y2 y3^7 y16 y20 : 0
  y2 y3^3 y12^4 : 0
y2 y3^3 y12 y16 y20 : 0
  y2 y3^3 y16^3 : 0
    y3^13 y20 : 0
  y3^9 y12 y20 : 0
    y3^9 y16^2 : 0
  y3^5 y12^2 y20 : 0
  y3^5 y12 y16^2 : 0
  y3 y12^3 y20 : 0
  y3 y12^2 y16^2 : 0
  y3 y16 y20^2 : 0

```

Degree 60

```

      y2^30 : 0
y2^27 y3^2 : 0
y2^24 y3^4 : 0
  y2^24 y12 : 0
  y2^22 y16 : 0
  y2^21 y3^6 : 0
y2^21 y3^2 y12 : 0
  y2^20 y20 : 0
y2^19 y3^2 y16 : 0
  y2^18 y3^8 : 0
y2^18 y3^4 y12 : 0
  y2^18 y12^2 : 0

```

$y_2^{17} y_3^2 y_{20} : 0$
 $y_2^{16} y_3^4 y_{16} : 0$
 $y_2^{16} y_{12} y_{16} : 0$
 $y_2^{15} y_3^{10} : 0$
 $y_2^{15} y_3^6 y_{12} : 0$
 $y_2^{15} y_3^2 y_{12}^2 : 0$
 $y_2^{14} y_3^4 y_{20} : 0$
 $y_2^{14} y_{12} y_{20} : y_{20}^3$
 $y_2^{14} y_{16}^2 : 0$
 $y_2^{13} y_3^6 y_{16} : 0$
 $y_2^{13} y_3^2 y_{12} y_{16} : 0$
 $y_2^{12} y_3^{12} : 0$
 $y_2^{12} y_3^8 y_{12} : 0$
 $y_2^{12} y_3^4 y_{12}^2 : 0$
 $y_2^{12} y_{12}^3 : y_{20}^3$
 $y_2^{12} y_{16} y_{20} : y_{20}^3$
 $y_2^{11} y_3^6 y_{20} : 0$
 $y_2^{11} y_3^2 y_{12} y_{20} : y_{20}^3$
 $y_2^{11} y_3^2 y_{16}^2 : 0$
 $y_2^{10} y_3^8 y_{16} : 0$
 $y_2^{10} y_3^4 y_{12} y_{16} : 0$
 $y_2^{10} y_{12}^2 y_{16} : 0$
 $y_2^{10} y_{20}^2 : 0$
 $y_2^9 y_3^{14} : 0$
 $y_2^9 y_3^{10} y_{12} : 0$
 $y_2^9 y_3^6 y_{12}^2 : 0$
 $y_2^9 y_3^2 y_{12}^3 : 0$
 $y_2^9 y_3^2 y_{16} y_{20} : 0$
 $y_2^8 y_3^8 y_{20} : 0$
 $y_2^8 y_3^4 y_{12} y_{20} : 0$
 $y_2^8 y_3^4 y_{16}^2 : 0$
 $y_2^8 y_{12}^2 y_{20} : y_{20}^3$
 $y_2^8 y_{12} y_{16}^2 : 0$
 $y_2^7 y_3^{10} y_{16} : 0$
 $y_2^7 y_3^6 y_{12} y_{16} : 0$
 $y_2^7 y_3^2 y_{12}^2 y_{16} : 0$
 $y_2^7 y_3^2 y_{20}^2 : 0$
 $y_2^6 y_3^{16} : 0$
 $y_2^6 y_3^{12} y_{12} : 0$
 $y_2^6 y_3^8 y_{12}^2 : 0$
 $y_2^6 y_3^4 y_{12}^3 : 0$
 $y_2^6 y_3^4 y_{16} y_{20} : 0$
 $y_2^6 y_{12}^4 : 0$
 $y_2^6 y_{12} y_{16} y_{20} : y_{20}^3$
 $y_2^6 y_{16}^3 : 0$
 $y_2^5 y_3^{10} y_{20} : 0$
 $y_2^5 y_3^6 y_{12} y_{20} : 0$
 $y_2^5 y_3^6 y_{16}^2 : 0$
 $y_2^5 y_3^2 y_{12}^2 y_{20} : 0$
 $y_2^5 y_3^2 y_{12} y_{16}^2 : 0$
 $y_2^4 y_3^{12} y_{16} : 0$
 $y_2^4 y_3^8 y_{12} y_{16} : 0$
 $y_2^4 y_3^4 y_{12}^2 y_{16} : 0$
 $y_2^4 y_3^4 y_{20}^2 : 0$
 $y_2^4 y_{12}^3 y_{16} : 0$
 $y_2^4 y_{12} y_{20}^2 : 0$
 $y_2^4 y_{16}^2 y_{20} : 0$

```

      y2^3 y3^18 : 0
      y2^3 y3^14 y12 : 0
      y2^3 y3^10 y12^2 : 0
      y2^3 y3^6 y12^3 : 0
      y2^3 y3^6 y16 y20 : 0
      y2^3 y3^2 y12^4 : 0
      y2^3 y3^2 y16 y20 : 0
      y2^3 y3^2 y16^3 : 0
      y2^2 y3^12 y20 : 0
      y2^2 y3^8 y12 y20 : 0
      y2^2 y3^8 y16^2 : 0
      y2^2 y3^4 y12^2 y20 : 0
      y2^2 y3^4 y12 y16^2 : 0
      y2^2 y12^3 y20 : 0
      y2^2 y12^2 y16^2 : 0
      y2^2 y16 y20^2 : 0
      y2 y3^14 y16 : 0
      y2 y3^10 y12 y16 : 0
      y2 y3^6 y12^2 y16 : 0
      y2 y3^6 y20^2 : 0
      y2 y3^2 y12^3 y16 : 0
      y2 y3^2 y12 y20^2 : 0
      y2 y3^2 y16^2 y20 : 0
      y3^20 : 0
      y3^16 y12 : 0
      y3^12 y12^2 : 0
      y3^8 y12^3 : 0
      y3^8 y16 y20 : 0
      y3^4 y12^4 : 0
      y3^4 y12 y16 y20 : 0
      y3^4 y16^3 : 0
      y12^5 : 0
      y12^2 y16 y20 : 0
      y12 y16^3 : 0
      y20^3 : y20^3

```

Degree 61

```

      y2^29 y3 : 0
      y2^26 y3^3 : 0
      y2^23 y3^5 : 0
      y2^23 y3 y12 : 0
      y2^21 y3 y16 : 0
      y2^20 y3^7 : 0
      y2^20 y3^3 y12 : 0
      y2^19 y3 y20 : 0
      y2^18 y3^3 y16 : 0
      y2^17 y3^9 : 0
      y2^17 y3^5 y12 : 0
      y2^17 y3 y12^2 : 0
      y2^16 y3^3 y20 : 0
      y2^15 y3^5 y16 : 0
      y2^15 y3 y12 y16 : 0
      y2^14 y3^11 : 0
      y2^14 y3^7 y12 : 0
      y2^14 y3^3 y12^2 : 0

```

$y_2^{13} y_3^5 y_{20} : 0$
 $y_2^{13} y_3 y_{12} y_{20} : y_2^{13} y_3 y_{12} y_{20}$
 $y_2^{13} y_3 y_{16}^2 : 0$
 $y_2^{12} y_3^7 y_{16} : 0$
 $y_2^{12} y_3^3 y_{12} y_{16} : 0$
 $y_2^{11} y_3^{13} : 0$
 $y_2^{11} y_3^9 y_{12} : 0$
 $y_2^{11} y_3^5 y_{12}^2 : 0$
 $y_2^{11} y_3 y_{12}^3 : 0$
 $y_2^{11} y_3 y_{16} y_{20} : 0$
 $y_2^{10} y_3^7 y_{20} : 0$
 $y_2^{10} y_3^3 y_{12} y_{20} : 0$
 $y_2^{10} y_3^3 y_{16}^2 : 0$
 $y_2^9 y_3^9 y_{16} : 0$
 $y_2^9 y_3^5 y_{12} y_{16} : 0$
 $y_2^9 y_3 y_{12}^2 y_{16} : 0$
 $y_2^9 y_3 y_{20}^2 : 0$
 $y_2^8 y_3^{15} : 0$
 $y_2^8 y_3^{11} y_{12} : 0$
 $y_2^8 y_3^7 y_{12}^2 : 0$
 $y_2^8 y_3^3 y_{12}^3 : 0$
 $y_2^8 y_3^3 y_{16} y_{20} : 0$
 $y_2^7 y_3^9 y_{20} : 0$
 $y_2^7 y_3^5 y_{12} y_{20} : 0$
 $y_2^7 y_3^5 y_{16}^2 : 0$
 $y_2^7 y_3 y_{12}^2 y_{20} : 0$
 $y_2^7 y_3 y_{12} y_{16}^2 : 0$
 $y_2^6 y_3^{11} y_{16} : 0$
 $y_2^6 y_3^7 y_{12} y_{16} : 0$
 $y_2^6 y_3^3 y_{12}^2 y_{16} : 0$
 $y_2^6 y_3^3 y_{20}^2 : 0$
 $y_2^5 y_3^{17} : 0$
 $y_2^5 y_3^{13} y_{12} : 0$
 $y_2^5 y_3^9 y_{12}^2 : 0$
 $y_2^5 y_3^5 y_{12}^3 : 0$
 $y_2^5 y_3^5 y_{16} y_{20} : 0$
 $y_2^5 y_3 y_{12}^4 : 0$
 $y_2^5 y_3 y_{12} y_{16} y_{20} : 0$
 $y_2^5 y_3 y_{16}^3 : 0$
 $y_2^4 y_3^{11} y_{20} : 0$
 $y_2^4 y_3^7 y_{12} y_{20} : 0$
 $y_2^4 y_3^7 y_{16}^2 : 0$
 $y_2^4 y_3^3 y_{12}^2 y_{20} : 0$
 $y_2^4 y_3^3 y_{12} y_{16}^2 : 0$
 $y_2^3 y_3^{13} y_{16} : 0$
 $y_2^3 y_3^9 y_{12} y_{16} : 0$
 $y_2^3 y_3^5 y_{12}^2 y_{16} : 0$
 $y_2^3 y_3^5 y_{20}^2 : 0$
 $y_2^3 y_3 y_{12}^3 y_{16} : 0$
 $y_2^3 y_3 y_{12} y_{20}^2 : 0$
 $y_2^3 y_3 y_{16}^2 y_{20} : 0$
 $y_2^2 y_3^{19} : 0$
 $y_2^2 y_3^{15} y_{12} : 0$
 $y_2^2 y_3^{11} y_{12}^2 : 0$
 $y_2^2 y_3^7 y_{12}^3 : 0$
 $y_2^2 y_3^7 y_{16} y_{20} : 0$
 $y_2^2 y_3^3 y_{12}^4 : 0$


```

y2^2 y3^3 y12 y16 y20 : 0
  y2^2 y3^3 y16^3 : 0
    y2 y3^13 y20 : 0
  y2 y3^9 y12 y20 : 0
    y2 y3^9 y16^2 : 0
y2 y3^5 y12^2 y20 : 0
y2 y3^5 y12 y16^2 : 0
  y2 y3 y12^3 y20 : 0
y2 y3 y12^2 y16^2 : 0
  y2 y3 y16 y20^2 : 0
    y3^15 y16 : 0
  y3^11 y12 y16 : 0
y3^7 y12^2 y16 : 0
  y3^7 y20^2 : 0
y3^3 y12^3 y16 : 0
y3^3 y12 y20^2 : 0
y3^3 y16^2 y20 : 0

```

Degree 62

```

      y2^31 : 0
    y2^28 y3^2 : 0
    y2^25 y3^4 : 0
      y2^25 y12 : 0
      y2^23 y16 : 0
      y2^22 y3^6 : 0
    y2^22 y3^2 y12 : 0
      y2^21 y20 : 0
    y2^20 y3^2 y16 : 0
      y2^19 y3^8 : 0
    y2^19 y3^4 y12 : 0
      y2^19 y12^2 : 0
    y2^18 y3^2 y20 : 0
    y2^17 y3^4 y16 : 0
      y2^17 y12 y16 : 0
      y2^16 y3^10 : 0
    y2^16 y3^6 y12 : 0
    y2^16 y3^2 y12^2 : 0
    y2^15 y3^4 y20 : 0
      y2^15 y12 y20 : y2 y20^3
      y2^15 y16^2 : 0
    y2^14 y3^6 y16 : 0
    y2^14 y3^2 y12 y16 : 0
      y2^13 y3^12 : 0
    y2^13 y3^8 y12 : 0
    y2^13 y3^4 y12^2 : 0
      y2^13 y12^3 : y2 y20^3
    y2^13 y16 y20 : y2 y20^3
    y2^12 y3^6 y20 : 0
    y2^12 y3^2 y12 y20 : y2 y20^3
      y2^12 y3^2 y16^2 : 0
    y2^11 y3^8 y16 : 0
    y2^11 y3^4 y12 y16 : 0
      y2^11 y12^2 y16 : 0
      y2^11 y20^2 : 0
    y2^10 y3^14 : 0

```

$y_2^{10} y_3^{10} y_{12} : 0$
 $y_2^{10} y_3^6 y_{12}^2 : 0$
 $y_2^{10} y_3^2 y_{12}^3 : 0$
 $y_2^{10} y_3^2 y_{16} y_{20} : 0$
 $y_2^9 y_3^8 y_{20} : 0$
 $y_2^9 y_3^4 y_{12} y_{20} : 0$
 $y_2^9 y_3^4 y_{16}^2 : 0$
 $y_2^9 y_{12}^2 y_{20} : y_2 y_{20}^3$
 $y_2^9 y_{12} y_{16}^2 : 0$
 $y_2^8 y_3^{10} y_{16} : 0$
 $y_2^8 y_3^6 y_{12} y_{16} : 0$
 $y_2^8 y_3^2 y_{12}^2 y_{16} : 0$
 $y_2^8 y_3^2 y_{20}^2 : 0$
 $y_2^7 y_3^{16} : 0$
 $y_2^7 y_3^{12} y_{12} : 0$
 $y_2^7 y_3^8 y_{12}^2 : 0$
 $y_2^7 y_3^4 y_{12}^3 : 0$
 $y_2^7 y_3^4 y_{16} y_{20} : 0$
 $y_2^7 y_{12}^4 : 0$
 $y_2^7 y_{12} y_{16} y_{20} : y_2 y_{20}^3$
 $y_2^7 y_{16}^3 : 0$
 $y_2^6 y_3^{10} y_{20} : 0$
 $y_2^6 y_3^6 y_{12} y_{20} : 0$
 $y_2^6 y_3^6 y_{16}^2 : 0$
 $y_2^6 y_3^2 y_{12}^2 y_{20} : 0$
 $y_2^6 y_3^2 y_{12} y_{16}^2 : 0$
 $y_2^5 y_3^{12} y_{16} : 0$
 $y_2^5 y_3^8 y_{12} y_{16} : 0$
 $y_2^5 y_3^4 y_{12}^2 y_{16} : 0$
 $y_2^5 y_3^4 y_{20}^2 : 0$
 $y_2^5 y_{12}^3 y_{16} : 0$
 $y_2^5 y_{12} y_{20}^2 : 0$
 $y_2^5 y_{16}^2 y_{20} : 0$
 $y_2^4 y_3^{18} : 0$
 $y_2^4 y_3^{14} y_{12} : 0$
 $y_2^4 y_3^{10} y_{12}^2 : 0$
 $y_2^4 y_3^6 y_{12}^3 : 0$
 $y_2^4 y_3^6 y_{16} y_{20} : 0$
 $y_2^4 y_3^2 y_{12}^4 : 0$
 $y_2^4 y_3^2 y_{12} y_{16} y_{20} : 0$
 $y_2^4 y_3^2 y_{16}^3 : 0$
 $y_2^3 y_3^{12} y_{20} : 0$
 $y_2^3 y_3^8 y_{12} y_{20} : 0$
 $y_2^3 y_3^8 y_{16}^2 : 0$
 $y_2^3 y_3^4 y_{12}^2 y_{20} : 0$
 $y_2^3 y_3^4 y_{12} y_{16}^2 : 0$
 $y_2^3 y_{12}^3 y_{20} : 0$
 $y_2^3 y_{12}^2 y_{16}^2 : 0$
 $y_2^3 y_{16} y_{20}^2 : 0$
 $y_2^2 y_3^{14} y_{16} : 0$
 $y_2^2 y_3^{10} y_{12} y_{16} : 0$
 $y_2^2 y_3^6 y_{12}^2 y_{16} : 0$
 $y_2^2 y_3^6 y_{20}^2 : 0$
 $y_2^2 y_3^2 y_{12}^3 y_{16} : 0$
 $y_2^2 y_3^2 y_{12} y_{20}^2 : 0$
 $y_2^2 y_3^2 y_{16}^2 y_{20} : 0$
 $y_2 y_3^{20} : 0$

```

      y2 y3^16 y12 : 0
      y2 y3^12 y12^2 : 0
      y2 y3^8 y12^3 : 0
      y2 y3^8 y16 y20 : 0
      y2 y3^4 y12^4 : 0
y2 y3^4 y12 y16 y20 : 0
      y2 y3^4 y16^3 : 0
      y2 y12^5 : 0
      y2 y12^2 y16 y20 : 0
      y2 y12 y16^3 : 0
      y2 y20^3 : y2 y20^3
      y3^14 y20 : 0
      y3^10 y12 y20 : 0
      y3^10 y16^2 : 0
      y3^6 y12^2 y20 : 0
      y3^6 y12 y16^2 : 0
      y3^2 y12^3 y20 : 0
      y3^2 y12^2 y16^2 : 0
      y3^2 y16 y20^2 : 0

```

Degree 63

```

      y2^30 y3 : 0
      y2^27 y3^3 : 0
      y2^24 y3^5 : 0
      y2^24 y3 y12 : 0
      y2^22 y3 y16 : 0
      y2^21 y3^7 : 0
      y2^21 y3^3 y12 : 0
      y2^20 y3 y20 : 0
      y2^19 y3^3 y16 : 0
      y2^18 y3^9 : 0
      y2^18 y3^5 y12 : 0
      y2^18 y3 y12^2 : 0
      y2^17 y3^3 y20 : 0
      y2^16 y3^5 y16 : 0
      y2^16 y3 y12 y16 : 0
      y2^15 y3^11 : 0
      y2^15 y3^7 y12 : 0
      y2^15 y3^3 y12^2 : 0
      y2^14 y3^5 y20 : 0
      y2^14 y3 y12 y20 : 0
      y2^14 y3 y16^2 : 0
      y2^13 y3^7 y16 : 0
      y2^13 y3^3 y12 y16 : 0
      y2^12 y3^13 : 0
      y2^12 y3^9 y12 : 0
      y2^12 y3^5 y12^2 : 0
      y2^12 y3 y12^3 : 0
      y2^12 y3 y16 y20 : 0
      y2^11 y3^7 y20 : 0
      y2^11 y3^3 y12 y20 : 0
      y2^11 y3^3 y16^2 : 0
      y2^10 y3^9 y16 : 0
      y2^10 y3^5 y12 y16 : 0
      y2^10 y3 y12^2 y16 : 0

```

```

y2^10 y3 y20^2 : 0
  y2^9 y3^15 : 0
    y2^9 y3^11 y12 : 0
      y2^9 y3^7 y12^2 : 0
        y2^9 y3^3 y12^3 : 0
          y2^9 y3^3 y16 y20 : 0
            y2^8 y3^9 y20 : 0
              y2^8 y3^5 y12 y20 : 0
                y2^8 y3^5 y16^2 : 0
                  y2^8 y3 y12^2 y20 : 0
                    y2^8 y3 y12 y16^2 : 0
                      y2^7 y3^11 y16 : 0
                        y2^7 y3^7 y12 y16 : 0
                          y2^7 y3^3 y12^2 y16 : 0
                            y2^7 y3^3 y20^2 : 0
                              y2^6 y3^17 : 0
                                y2^6 y3^13 y12 : 0
                                  y2^6 y3^9 y12^2 : 0
                                    y2^6 y3^5 y12^3 : 0
                                      y2^6 y3^5 y16 y20 : 0
                                        y2^6 y3 y12^4 : 0
                                          y2^6 y3 y16 y20 : 0
                                            y2^6 y3 y16^3 : 0
                                              y2^5 y3^11 y20 : 0
                                                y2^5 y3^7 y12 y20 : 0
                                                  y2^5 y3^7 y16^2 : 0
                                                    y2^5 y3^3 y12^2 y20 : 0
                                                      y2^5 y3^3 y12 y16^2 : 0
                                                        y2^4 y3^13 y16 : 0
                                                          y2^4 y3^9 y12 y16 : 0
                                                            y2^4 y3^5 y12^2 y16 : 0
                                                              y2^4 y3^5 y20^2 : 0
                                                                y2^4 y3 y12^3 y16 : 0
                                                                  y2^4 y3 y12 y20^2 : 0
                                                                    y2^4 y3 y16^2 y20 : 0
                                                                      y2^3 y3^19 : 0
                                                                        y2^3 y3^15 y12 : 0
                                                                          y2^3 y3^11 y12^2 : 0
                                                                            y2^3 y3^7 y12^3 : 0
                                                                              y2^3 y3^7 y16 y20 : 0
                                                                                y2^3 y3^3 y12^4 : 0
                                                                                  y2^3 y3^3 y12 y16 y20 : 0
                                                                                      y2^3 y3^3 y16^3 : 0
                                                                                        y2^2 y3^13 y20 : 0
                                                                                          y2^2 y3^9 y12 y20 : 0
                                                                                            y2^2 y3^9 y16^2 : 0
                                                                                              y2^2 y3^5 y12^2 y20 : 0
                                                                                                y2^2 y3^5 y12 y16^2 : 0
                                                                                                  y2^2 y3 y12^3 y20 : 0
                                                                                                      y2^2 y3 y12^2 y16^2 : 0
                                                                                                          y2^2 y3 y16 y20^2 : 0
                                                                                                              y2 y3^15 y16 : 0
                                                                                                                  y2 y3^11 y12 y16 : 0
                                                                                                                      y2 y3^7 y12^2 y16 : 0
                                                                                                                          y2 y3^7 y20^2 : 0
                                                                                                                              y2 y3^3 y12^3 y16 : 0
                                                                                                                                  y2 y3^3 y12 y20^2 : 0

```

```

y2 y3^3 y16^2 y20 : 0
      y3^21 : 0
      y3^17 y12 : 0
      y3^13 y12^2 : 0
      y3^9 y12^3 : 0
      y3^9 y16 y20 : 0
      y3^5 y12^4 : 0
y3^5 y12 y16 y20 : 0
      y3^5 y16^3 : 0
      y3 y12^5 : 0
y3 y12^2 y16 y20 : 0
      y3 y12 y16^3 : 0
      y3 y20^3 : 0

```

Degree 64

```

      y2^32 : 0
      y2^29 y3^2 : 0
      y2^26 y3^4 : 0
      y2^26 y12 : 0
      y2^24 y16 : 0
      y2^23 y3^6 : 0
y2^23 y3^2 y12 : 0
      y2^22 y20 : 0
y2^21 y3^2 y16 : 0
      y2^20 y3^8 : 0
y2^20 y3^4 y12 : 0
      y2^20 y12^2 : 0
y2^19 y3^2 y20 : 0
y2^18 y3^4 y16 : 0
      y2^18 y12 y16 : 0
      y2^17 y3^10 : 0
      y2^17 y3^6 y12 : 0
y2^17 y3^2 y12^2 : 0
      y2^16 y3^4 y20 : 0
      y2^16 y12 y20 : y2^2 y20^3
      y2^16 y16^2 : 0
      y2^15 y3^6 y16 : 0
y2^15 y3^2 y12 y16 : 0
      y2^14 y3^12 : 0
      y2^14 y3^8 y12 : 0
y2^14 y3^4 y12^2 : 0
      y2^14 y12^3 : y2^2 y20^3
      y2^14 y16 y20 : y2^2 y20^3
      y2^13 y3^6 y20 : 0
y2^13 y3^2 y12 y20 : y2^2 y20^3
      y2^13 y3^2 y16^2 : 0
      y2^12 y3^8 y16 : 0
y2^12 y3^4 y12 y16 : 0
      y2^12 y12^2 y16 : 0
      y2^12 y20^2 : 0
      y2^11 y3^14 : 0
      y2^11 y3^10 y12 : 0
      y2^11 y3^6 y12^2 : 0
      y2^11 y3^2 y12^3 : 0
y2^11 y3^2 y16 y20 : 0

```

$y_2^{10} y_3^8 y_{20} : 0$
 $y_2^{10} y_3^4 y_{12} y_{20} : 0$
 $y_2^{10} y_3^4 y_{16}^2 : 0$
 $y_2^{10} y_{12}^2 y_{20} : y_2^2 y_{20}^3$
 $y_2^{10} y_{12} y_{16}^2 : 0$
 $y_2^9 y_3^{10} y_{16} : 0$
 $y_2^9 y_3^6 y_{12} y_{16} : 0$
 $y_2^9 y_3^2 y_{12}^2 y_{16} : 0$
 $y_2^9 y_3^2 y_{20}^2 : 0$
 $y_2^8 y_3^{16} : 0$
 $y_2^8 y_3^{12} y_{12} : 0$
 $y_2^8 y_3^8 y_{12}^2 : 0$
 $y_2^8 y_3^4 y_{12}^3 : 0$
 $y_2^8 y_3^4 y_{16} y_{20} : 0$
 $y_2^8 y_{12}^4 : 0$
 $y_2^8 y_{12} y_{16} y_{20} : y_2^2 y_{20}^3$
 $y_2^8 y_{16}^3 : 0$
 $y_2^7 y_3^{10} y_{20} : 0$
 $y_2^7 y_3^6 y_{12} y_{20} : 0$
 $y_2^7 y_3^6 y_{16}^2 : 0$
 $y_2^7 y_3^2 y_{12}^2 y_{20} : 0$
 $y_2^7 y_3^2 y_{12} y_{16}^2 : 0$
 $y_2^6 y_3^{12} y_{16} : 0$
 $y_2^6 y_3^8 y_{12} y_{16} : 0$
 $y_2^6 y_3^4 y_{12}^2 y_{16} : 0$
 $y_2^6 y_3^4 y_{20}^2 : 0$
 $y_2^6 y_{12}^3 y_{16} : 0$
 $y_2^6 y_{12} y_{20}^2 : 0$
 $y_2^6 y_{16}^2 y_{20} : 0$
 $y_2^5 y_3^{18} : 0$
 $y_2^5 y_3^{14} y_{12} : 0$
 $y_2^5 y_3^{10} y_{12}^2 : 0$
 $y_2^5 y_3^6 y_{12}^3 : 0$
 $y_2^5 y_3^6 y_{16} y_{20} : 0$
 $y_2^5 y_3^2 y_{12}^4 : 0$
 $y_2^5 y_3^2 y_{12} y_{16} y_{20} : 0$
 $y_2^5 y_3^2 y_{16}^3 : 0$
 $y_2^4 y_3^{12} y_{20} : 0$
 $y_2^4 y_3^8 y_{12} y_{20} : 0$
 $y_2^4 y_3^8 y_{16}^2 : 0$
 $y_2^4 y_3^4 y_{12}^2 y_{20} : 0$
 $y_2^4 y_3^4 y_{12} y_{16}^2 : 0$
 $y_2^4 y_{12}^3 y_{20} : 0$
 $y_2^4 y_{12}^2 y_{16}^2 : 0$
 $y_2^4 y_{16} y_{20}^2 : 0$
 $y_2^3 y_3^{14} y_{16} : 0$
 $y_2^3 y_3^{10} y_{12} y_{16} : 0$
 $y_2^3 y_3^6 y_{12}^2 y_{16} : 0$
 $y_2^3 y_3^6 y_{20}^2 : 0$
 $y_2^3 y_3^2 y_{12}^3 y_{16} : 0$
 $y_2^3 y_3^2 y_{12} y_{20}^2 : 0$
 $y_2^3 y_3^2 y_{16}^2 y_{20} : 0$
 $y_2^2 y_3^{20} : 0$
 $y_2^2 y_3^{16} y_{12} : 0$
 $y_2^2 y_3^{12} y_{12}^2 : 0$
 $y_2^2 y_3^8 y_{12}^3 : 0$
 $y_2^2 y_3^8 y_{16} y_{20} : 0$

```

      y2^2 y3^4 y12^4 : 0
y2^2 y3^4 y12 y16 y20 : 0
      y2^2 y3^4 y16^3 : 0
        y2^2 y12^5 : 0
y2^2 y12^2 y16 y20 : 0
      y2^2 y12 y16^3 : 0
        y2^2 y20^3 : y2^2 y20^3
          y2 y3^14 y20 : 0
y2 y3^10 y12 y20 : 0
      y2 y3^10 y16^2 : 0
y2 y3^6 y12^2 y20 : 0
y2 y3^6 y12 y16^2 : 0
y2 y3^2 y12^3 y20 : 0
y2 y3^2 y12^2 y16^2 : 0
y2 y3^2 y16 y20^2 : 0
      y3^16 y16 : 0
      y3^12 y12 y16 : 0
y3^8 y12^2 y16 : 0
      y3^8 y20^2 : 0
y3^4 y12^3 y16 : 0
y3^4 y12 y20^2 : 0
y3^4 y16^2 y20 : 0
      y12^4 y16 : y2^2 y20^3
      y12^2 y20^2 : y2^2 y20^3
y12 y16^2 y20 : y2^2 y20^3
      y16^4 : y2^2 y20^3

```