**Kraak de code: Machtenregels**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** | **K** | **L** | **M** |
| $$16x^{8}$$ | $$8x^{8}y^{12}$$ | $$\frac{1}{64y^{6}}$$ | $$4y^{5}$$ | $$\frac{3x^{2}}{2y}$$ | $$6.4y^{5}$$ | $$\frac{y^{9}}{32x^{7}}$$ | $$\frac{1}{25x^{6}}$$ | $$\frac{y^{6}}{4}$$ | $$4x^{6}$$ | $$\frac{3x^{4}}{2}$$ | $$16x^{8}y^{12}$$ | $$\frac{16x^{12}}{81y^{16}}$$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **N** | **O** | **P** | **Q** | **R** | **S** | **T** | **U** | **V** | **W** | **X** | **Y** | **Z** |
| $$\frac{4x^{4}}{25y^{6}}$$ | $$\frac{y^{15}}{32x^{10}}$$ | $$4x^{8}$$ | $$\frac{-2}{3x^{-4}}$$ | $$\frac{2x^{4}}{5y^{3}}$$ | $$\frac{4.5x^{2}}{2y}$$ | $$64x^{12}$$ | $$4y^{-6}$$ | $$\frac{y^{12}}{12.8}$$ | $$\frac{9x^{2}}{2.\dot{6}y}$$ | $$\frac{1}{4y^{6}}$$ | $$2y^{5}$$ | $$5x^{-6}$$ |

Vereenvoudig de formules hieronder en zoek de bijbehorende letter hierboven om de code-zin te vinden

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| $$\left(\frac{8x^{9}}{27y^{12}}\right)^{\frac{4}{3}}$$ | $$\left(2x^{2}\right)^{4}$$ | $$\left(4y^{2}\right)^{-3}$$ | $$\left(5x^{3}\right)^{-2}$$ | $$\left(16x^{8}\right)^{\frac{3}{2}}$$ | $$\left(\frac{27x^{6}}{8y^{3}}\right)^{\frac{1}{3}}$$ | $$\left(\frac{8x^{6}}{125y^{9}}\right)^{\frac{2}{3}}$$ |
| $$\frac{16x^{12}}{81y^{16}}$$ | $$16x^{8}$$ | $$\frac{1}{64y^{6}}$$ | $$\frac{1}{25x^{6}}$$ | $$64x^{12}$$ | $$\frac{3x^{2}}{2y}$$ | $$\frac{4x^{4}}{25y^{6}}$$ |
| M | A | C | H | T | E | N |
|  |  |  |  |  |  |  |
| $$\frac{1}{5}\left(\frac{5x^{2}}{x^{4}}\right)^{2}$$ | $$\left(\frac{1}{16y^{20}}\right)^{-\frac{1}{4}}$$ | $$\left(\frac{5y^{3}}{2x^{2}}\right)^{-2}$$ | $$\left(\frac{125y^{9}}{8x^{6}}\right)^{-\frac{2}{3}}$$ | $$\left(\frac{y^{15}}{32}\right)^{\frac{2}{5}}$$ | $$\left(\frac{16y^{4}}{81x^{8}}\right)^{-\frac{1}{4}}$$ | $$\left(\frac{1}{2x^{2}}\right)^{-6}$$ |
| $$5x^{-6}$$ | $$2y^{5}$$ | $$\frac{4x^{4}}{25y^{6}}$$ | $$\frac{4x^{4}}{25y^{6}}$$ | $$\frac{y^{6}}{4}$$ | $$\frac{3x^{2}}{2y}$$ | $$64x^{12}$$ |
| Z | Y | N | N | I | E | T |
|  |  |  |  |  |  |  |
| $$\left(\frac{729y^{24}}{64x^{18}}\right)^{-\frac{2}{3}}$$ | $$\left(\frac{4x^{4}}{y^{6}}\right)^{-\frac{5}{2}}$$ | $$\left(\frac{9x^{4}}{4y^{2}}\right)^{\frac{1}{2}}$$ | $$\left(\frac{8}{y^{9}}\right)^{-\frac{2}{3}}$$ | $$\left(8x^{6}y^{9}\right)^{\frac{4}{3}}$$ | $$\left(32y^{25}\right)^{\frac{1}{5}}$$ | $$\left(\frac{4}{9x^{8}}\right)^{-\frac{1}{2}}$$ |
| $$\frac{16x^{12}}{81y^{16}}$$ | $$\frac{y^{15}}{32x^{10}}$$ | $$\frac{3x^{2}}{2y}$$ | $$\frac{y^{6}}{4}$$ | $$16x^{8}y^{12}$$ | $$2y^{5}$$ | $$\frac{3x^{4}}{2}$$ |
| M | O | E | I | L | Y | K |

**OPLOSSING Kraak de code: Machtenregels**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** | **K** | **L** | **M** |
| $$16x^{8}$$ | $$8x^{8}y^{12}$$ | $$\frac{1}{64y^{6}}$$ | $$4y^{5}$$ | $$\frac{3x^{2}}{2y}$$ | $$6.4y^{5}$$ | $$\frac{y^{9}}{32x^{7}}$$ | $$\frac{1}{25x^{6}}$$ | $$\frac{y^{6}}{4}$$ | $$4x^{6}$$ | $$\frac{3x^{4}}{2}$$ | $$16x^{8}y^{12}$$ | $$\frac{16x^{12}}{81y^{16}}$$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **N** | **O** | **P** | **Q** | **R** | **S** | **T** | **U** | **V** | **W** | **X** | **Y** | **Z** |
| $$\frac{4x^{4}}{25y^{6}}$$ | $$\frac{y^{15}}{32x^{10}}$$ | $$4x^{8}$$ | $$\frac{-2}{3x^{-4}}$$ | $$\frac{2x^{4}}{5y^{3}}$$ | $$\frac{4.5x^{2}}{2y}$$ | $$64x^{12}$$ | $$4y^{-6}$$ | $$\frac{y^{12}}{12.8}$$ | $$\frac{9x^{2}}{2.\dot{6}y}$$ | $$\frac{1}{4y^{6}}$$ | $$2y^{5}$$ | $$5x^{-6}$$ |

Vereenvoudig de formules hieronder en zoek de bijbehorende letter hierboven om de code-zin te vinden

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| $$\left(\frac{8x^{9}}{27y^{12}}\right)^{\frac{4}{3}}$$ | $$\left(2x^{2}\right)^{4}$$ | $$\left(4y^{2}\right)^{-3}$$ | $$\left(5x^{3}\right)^{-2}$$ | $$\left(16x^{8}\right)^{\frac{3}{2}}$$ | $$\left(\frac{27x^{6}}{8y^{3}}\right)^{\frac{1}{3}}$$ | $$\left(\frac{8x^{6}}{125y^{9}}\right)^{\frac{2}{3}}$$ |
| $$\frac{16x^{12}}{81y^{16}}$$ | $$16x^{8}$$ | $$\frac{1}{64y^{6}}$$ | $$\frac{1}{25x^{6}}$$ | $$64x^{12}$$ | $$\frac{3x^{2}}{2y}$$ | $$\frac{4x^{4}}{25y^{6}}$$ |
| **M** | **A** | **C** | **H** | **T** | **E** | **N** |
|  |  |  |  |  |  |  |
| $$\frac{1}{5}\left(\frac{5x^{2}}{x^{4}}\right)^{2}$$ | $$\left(\frac{1}{16y^{20}}\right)^{-\frac{1}{4}}$$ | $$\left(\frac{5y^{3}}{2x^{2}}\right)^{-2}$$ | $$\left(\frac{125y^{9}}{8x^{6}}\right)^{-\frac{2}{3}}$$ | $$\left(\frac{y^{15}}{32}\right)^{\frac{2}{5}}$$ | $$\left(\frac{16y^{4}}{81x^{8}}\right)^{-\frac{1}{4}}$$ | $$\left(\frac{1}{2x^{2}}\right)^{-6}$$ |
| $$5x^{-6}$$ | $$2y^{5}$$ | $$\frac{4x^{4}}{25y^{6}}$$ | $$\frac{4x^{4}}{25y^{6}}$$ | $$\frac{y^{6}}{4}$$ | $$\frac{3x^{2}}{2y}$$ | $$64x^{12}$$ |
| **Z** | **Y** | **N** | **N** | **I** | **E** | **T** |
|  |  |  |  |  |  |  |
| $$\left(\frac{729y^{24}}{64x^{18}}\right)^{-\frac{2}{3}}$$ | $$\left(\frac{4x^{4}}{y^{6}}\right)^{-\frac{5}{2}}$$ | $$\left(\frac{9x^{4}}{4y^{2}}\right)^{\frac{1}{2}}$$ | $$\left(\frac{8}{y^{9}}\right)^{-\frac{2}{3}}$$ | $$\left(8x^{6}y^{9}\right)^{\frac{4}{3}}$$ | $$\left(32y^{25}\right)^{\frac{1}{5}}$$ | $$\left(\frac{4}{9x^{8}}\right)^{-\frac{1}{2}}$$ |
| $$\frac{16x^{12}}{81y^{16}}$$ | $$\frac{y^{15}}{32x^{10}}$$ | $$\frac{3x^{2}}{2y}$$ | $$\frac{y^{6}}{4}$$ | $$16x^{8}y^{12}$$ | $$2y^{5}$$ | $$\frac{3x^{4}}{2}$$ |
| **M** | **O** | **E** | **I** | **L** | **Y** | **K** |