
$w=1$

Can $\sin (x)$ be expressed as a polynomial in $x$ ?

If $a+b+c=30$, how many ( $a, b, c$ ) tuples possible ( $a, b, c$ all non-negative)

$$
\begin{gathered}
0^{0}=\frac{0^{a}}{0^{a}}=\frac{0}{0}=\sin \operatorname{dg} x^{0}=1 \quad x^{a-a}=\frac{x^{a}}{x^{a}}=1 \\
x^{x^{2023}}=2023 . \quad x=? .
\end{gathered}
$$

$x^{4}-x-1=0$ hes many real solutions


$$
\begin{array}{ll}
y^{y}=2023 & x^{y}=2023 \\
y=2023 & \left(y^{\frac{1}{2523}}\right)^{y}=2023
\end{array}
$$

