Diketahui

$3^{2n} + 22n + 2$ Habis dibagi 5

Jika $n = 0$

$3^{2(0)} + 22(0) + 2 = 0$

$3^0 + 0 + 2$

$1 + 0 + 2 = \frac{3}{5}$ ×

n tidak mungkin 0

Jika $n = 1$

$3^{2(1)} + 22(1) + 2 = 0$

$3^2 + 22 + 2$

$9 + 22 + 2$

$= \frac{33}{5}$ ×

n tidak mungkin 1

Jika $n = -1$

$3^{2(-1)} + 22(-1) + 2$

$3^{-2} + 27 + 2$

$\frac{1}{3^2} - 20$

$= \frac{1}{9} - 20$

$= \frac{1 - 180}{9} = \frac{179}{9} = \frac{19,889}{5}$

$= 3,97$

$5^{2n(2n^0)} + (3n - 1)^{2n}$ Habis dibagi 9

Jika $n = 0$ $5^{2.0(2(0)^0)} + (3(0) - 1)$

$1 + (-1) = 0$ $0/9$ ×

Jika $n = 1$

$5^{2(1)(2.1)} + (3(1) - 1)$

$5^9 + 3 - 1$

$5 \times 5 \times 5 \times 5 + 2 = 0$

25 225 775

$\frac{777}{9} = \times$ tidak habis dibagi 9

Jika $n = (-1)$

$5^{2(-1)(2)} + (3(-1) - 1)$

$5^{-4} + (-4)$

$= \frac{1}{5^4} - 4$

= tidak bisa di bagi 9