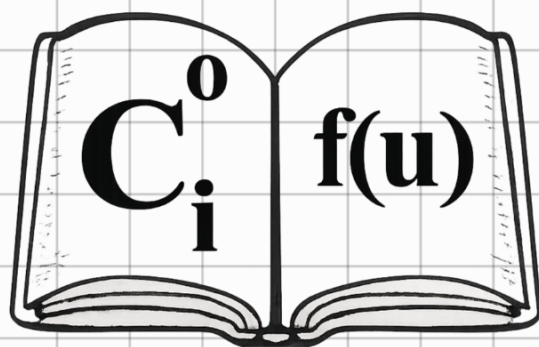




Rezolvare exercițiul zilei #38

Comparați numerele:

$$a = 2^{33} \quad \text{și} \quad b = 3^{22}$$

$$a = 2^{33} = 2^{3 \cdot 11} = (2^3)^{11} = 8^{11}$$

$$b = 3^{22} = 3^{2 \cdot 11} = (3^2)^{11} = 9^{11}$$

$$\begin{array}{l} \text{Cum} \quad 8 < 9 \\ \quad 8, 9 > 1 \end{array} \quad \Bigg| \quad \Rightarrow \quad 8^{11} < 9^{11}$$

$a < b.$