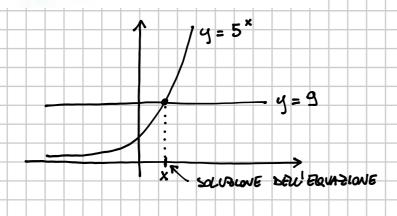
551
$$5^x = 9$$

$$X = 200/5 = \frac{200/9}{200/5}$$



$$3 \cdot 2^x + 2^{x+1} = 19$$

$$\begin{bmatrix} \frac{\log 19 - \log 5}{\log 2} \end{bmatrix}$$

$$3 \cdot 2^{\times} + 2 \cdot 2^{\times} = 19$$

$$5 \cdot 2^{\times} = 19$$

$$2^{\times} = \frac{19}{5}$$
 $2^{\times} = \frac{19}{5}$
 $2^{\times} = \frac{19}{5}$

$$3^{x+1} - 2 \cdot 3^x + 3^{x+2} = 5^{x-1}$$

 $\left(\frac{3}{5}\right)^{\times} = \frac{1}{50}$

$$3^{\times} \cdot 3 - 2 \cdot 3^{\times} + 3^{\times} \cdot 3^{2} = 5^{\times} \cdot 5^{-1}$$

$$3^{\times}(3-2+9)=1.5^{\times}$$

$$10 \cdot 3^{\times} = \frac{1}{5} \cdot 5^{\times} = 3 \cdot \frac{3^{\times}}{5^{\times}} = \frac{1}{50}$$

$$= \frac{\log 2 + \log 5^2}{\log 5 - \log 3} = \frac{\log 2 + 2 \log 5}{\log 5 - \log 3}$$

$$\frac{2}{25^{x}-1} + \frac{3}{4} = \frac{2}{5^{x}-1} \qquad [\log_{5}3]$$

$$(5^{x})^{2}-1 \qquad c.e. \quad 5^{x} \neq 1 \Rightarrow x \neq 0$$

$$\frac{2}{(5^{x}-1)(5^{x}+1)} + \frac{3}{4} = \frac{2}{5^{x}-1}$$

$$\frac{2}{(t-1)(t+1)} + \frac{3}{4} = \frac{2}{t-1}$$

$$\frac{8+3(t-1)(t+1)}{4(t-1)(t+1)} = \frac{8(t+1)}{4(t-1)(t+1)}$$

$$\frac{8+3t^{2}-3}{4t-1} = \frac{8t+8}{3t^{2}-8t-3} = 0$$

$$t = \frac{4\pm 5}{3} = \frac{7}{3}$$

$$10053$$

$$\frac{4}{5} = 16+3=25$$

$$10053$$

$$\frac{4}{5} = 16+3=25$$

$$10053$$

$$\frac{5}{5} = 1$$

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

$$\frac{1}{5} = 1$$

 $= \frac{2 \log 3 + \frac{1}{2} \log 5}{\frac{1}{2} \log 5 - 2 \log 3} = \frac{4 \log 3 + \log 5}{\log 5 - 4 \log 3}$ $\times \times \frac{4 \log 3 + \log 5}{\log 5 - 4 \log 3}$