

Simplifique a expressão

$$\frac{2^{98} + 4^{50} - 8^{34}}{2^{99} - 32^{20} + 2^{101}} = \frac{2^{98} + (2^2)^{50} - (2^3)^{34}}{2^{99} - (2^5)^{20} + 2^{101}}$$

$$\frac{2^{98} + 2^{100} - 2^{102}}{2^{99} - 2^{100} + 2^{101}} = \frac{2^{98} (1 + 2^2 - 2^4)}{2^{99} (1 - 2^1 + 2^2)}$$

$$\frac{2^{98} (1 + 4 - 16)}{2^{99} (1 - 2 + 4)} = \frac{2^{98} (-11)}{2^{99} (3)} = \frac{1 (-11)}{2 (3)}$$

$$\frac{-11}{6}$$