$$-2 \cdot 2^{2x} + 3 \cdot 2^{x} - 2 \ge 0$$

$$-2 \cdot 3^{2} + 3 \cdot 3 - 2 \ge 0$$

$$2 \cdot 3^{2} - 3 \cdot 4 + 2 \le 0$$

$$A = 9 - 16 < 0$$

$$P = (x_{0}, 6)$$

(d) Trous intersezione tro f(x) e g(x).

Formalmente $y = -2^x - 2^{-x} + 6$ e visoluo $y = 2^x + 2^{-x} + 6$

Operativamente
$$f(x) = g(x)$$
 e risolvo

$$2^{x} + 2^{-x} + 6 = -2^{x} - 2^{-x} + 6$$

$$2^{x} + 2^{x} + 2^{x} + 2^{x} = 0$$

$$2^{x} = -2^{x}$$
Impossibile: LHS positivo
PHS negativo.

$$2^{\times} = -2^{-\times}$$
 Impossible: LHS positive PHS negative.
$$\frac{P_{ag}}{P_{ag}} = \frac{684 + 33}{100}$$

$$\frac{P_{ag}}{P_{ag}} = \frac{684 + 3}{100} = \frac{100}{100} = \frac{100}$$

$$\frac{P_{aq} 684 \text{ n33}}{4(x)} = \sqrt{3^{\frac{x}{2}} + 3^{x} - 2} \qquad log_{3}(4) = log_{3} 2^{2} = 2 log_{3} 2$$

$$+ (log_{3}(4)) = \sqrt{3^{\frac{x}{2} + 3^{x} - 2}} + (log_{3}(4)) = log_{3}(4) = 2 log_{3}(4)$$

$$f(\log_3 a) = \sqrt{3^{\frac{2\log_3 2}{2}} + 3^{\log_3 a}} - 2 =$$

$$= \sqrt{2 + 4 - 2} = 2$$