$$\frac{23/07/1010}{\lim_{N\to +\infty} f(x) = +\infty} = \frac{3}{4} = \frac{3}{4}$$

$$f(n) = n^{3} - n^{2} - 8n + 12$$

$$f(-2) = -8 - 4 + 16 + 12 = 16 > 0$$

$$f(-3) = -17 - 9 + 24 + 12 = 0 \qquad \alpha = -3$$
The Later of the distribution consequence in write worther equalisation with a superior of the point o

$$g(a) = \alpha - \frac{1}{4}(x) = \alpha$$

$$g(\beta) = \beta - \frac{1}{4}(\beta) = \beta$$
• conv. locale monotone a α con fathere arintation $\frac{1}{4}$

$$g'(a) = \frac{1}{4} \qquad g'(n) = 1 - \frac{1'(n)}{m} \qquad \int'(n) = 3n^2 - 2n - 8$$

$$J'(a) = \int'(-3) = 27 + 6 - 8 = 25 \qquad J'(a) = 1 - \frac{25}{m} = \frac{1}{4}$$

 $f(n) = n^3 - n^2 - 8n + 12$

 $J(n) = x - \frac{J(n)}{m}$

 $n_{k+1} = g(n_k)$

$$\frac{25}{m} = \frac{3}{4} \qquad \frac{m}{25} = \frac{4}{3} \qquad m = \frac{25 \cdot 4}{3} = \frac{100}{3}$$

$$x_{0} = -2 \qquad \left(e_{k+1} = g(m_{k}) - g(x) = g'(\overline{3}_{k})e_{k}, \overline{3}_{k} \in J\alpha, u_{k}\right)$$

$$25 = \frac{4}{3} \qquad m = \frac{25 \cdot 4}{3} = \frac{100}{3}$$

$$\left(e_{k+1} = g(m_{k}) - g(x) = g'(\overline{3}_{k})e_{k}, \overline{3}_{k} \in J\alpha, u_{k}\right)$$

$$25 = \frac{1}{3} \qquad m = \frac{25 \cdot 4}{3} = \frac{100}{3}$$

$$\left(e_{k+1} = g(m_{k}) - g(x) = g'(\overline{3}_{k})e_{k}, \overline{3}_{k} \in J\alpha, u_{k}\right)$$

$$25 = \frac{1}{3} \qquad m = \frac{25 \cdot 4}{3} = \frac{100}{3}$$

$$25 = \frac{1}{3} \qquad m = \frac{1} \qquad m = \frac{1}{3} \qquad m = \frac{1}{3} \qquad m = \frac{1}{3} \qquad m = \frac{1}{3} \qquad m =$$

 $g''(n) = -\frac{f''(n)}{m} = -\frac{(6n-2)\cdot 3}{100} = -\frac{6}{100}(3n-1)$ $g''(n) > 0 \iff n < \frac{1}{3}$

conv brak a
$$\propto$$
 quadratice
$$\int_{0}^{1}(x) = 0 = 1 - \frac{25}{m}$$

$$\int_{0}^{1}(x) = 0 = 1 - \frac{25}{m}$$

$$\int_{0}^{1}(x) = -\frac{1}{25}$$

$$\int_{0}^{1}(x) = -\frac{1}{25}$$

$$\int_{0}^{1}(x) = -\frac{1}{25}$$

$$\int_{0}^{1}(x) = -\frac{1}{25}$$

$$\int_{0}^{1}(x) = 1 - \frac{1}{25}$$

$$\int_{0$$

 $\int (n) = 3n^2 - 2n - 8$

$$g'(x) = 1 - \frac{f'(x)}{8}$$

$$g'(\beta) = 1 - \frac{f'(2)}{8} = 1 - \frac{11 - 4 - 8}{8}$$

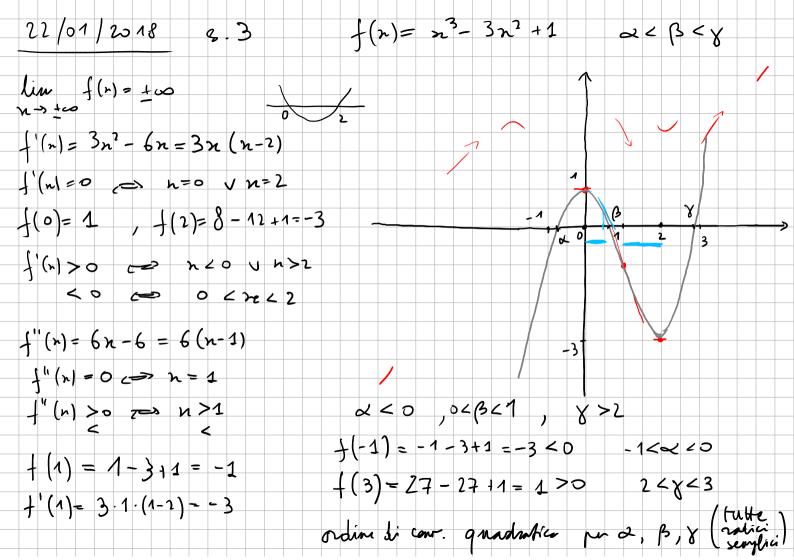
$$= 1$$

$$q'(1) = 1 - \frac{f'(1)}{8} = 1 - \frac{3 - 2 - 8}{8} = n_1 = g(n_0) = n_0 - \frac{f(n_0)}{8} = 1 - \frac{1 - 1 - 8 + n_0}{8} = \frac{1 - \frac{1}{2}}{8}$$

 $f(n) = n^3 - n^4 - 8n + 12$

 $=1+\frac{7}{8}=\frac{15}{8}>1$

1,B]



]B, 1[3n f(r) f"(n) >0 cont. under a B $n_0 = -0,5$; le me conge a <? monton a partir la na n = 3 ; la sua. convege a y? cons. goad. worstone a y ; la suce. comege a B? conv. qual monto a B P N. 1=40