



9)

$$h(n) = p(n) = 1 - 3n^2 \rightarrow p(n) = 1 - 3n^2$$

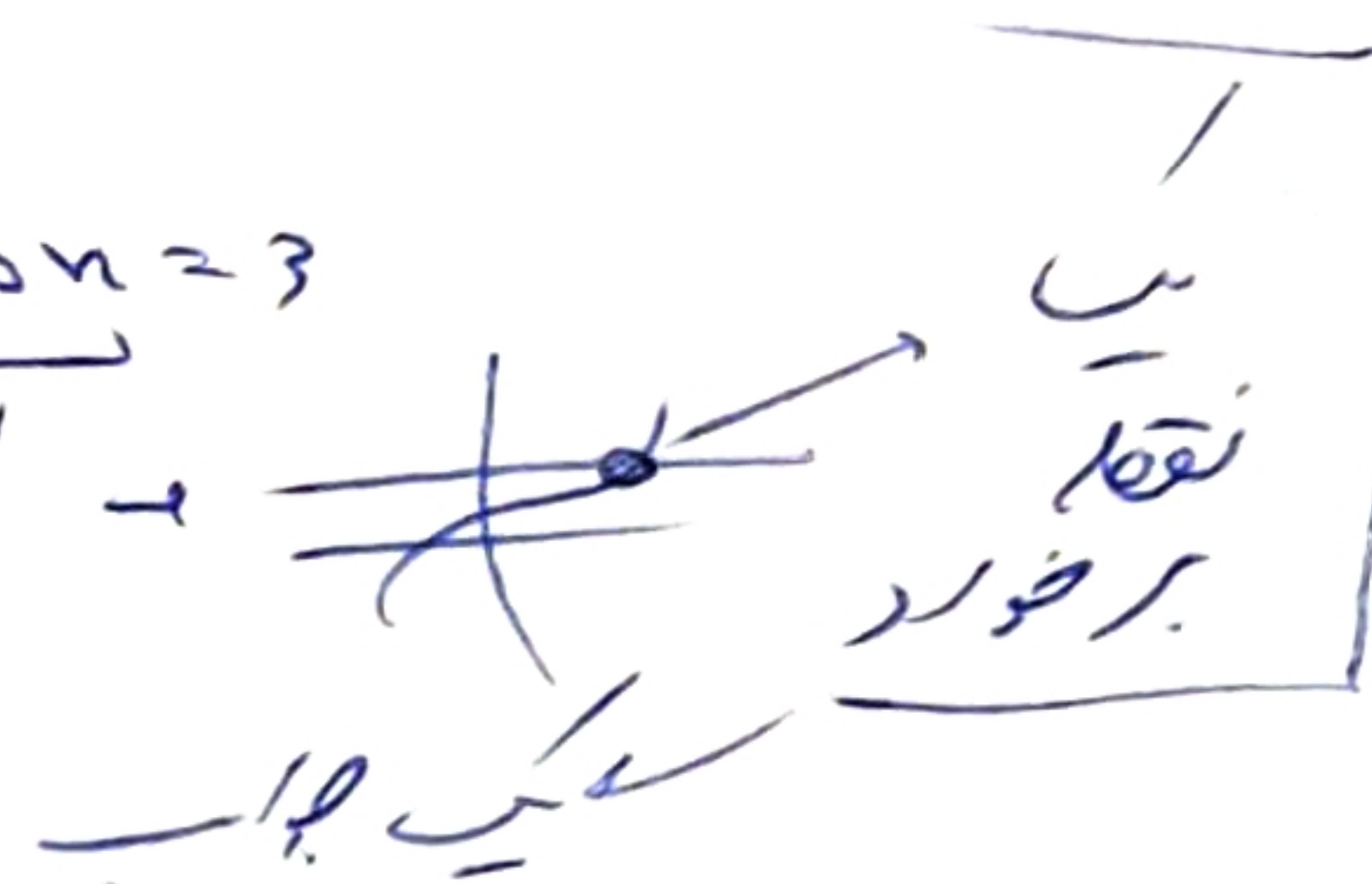
$$h(g(n)) \Rightarrow \frac{(n-1)^3 + 2(n-1) + 1}{n^3 - 1 + 3n - 3n^2 + 2n - 1}$$

$$n^3 - 1 + 3n - 3n^2 + 2n - 1$$

$$\frac{n^3 - 3n^2 + 5n - 2}{n^3 - 3n^2 + 5n - 2} = 1 - 3n^2$$

$$n^3 + 5n - 3 = 0 \rightarrow n^3 + 5n = 3$$

نقطہ  
موجود



10)

$$g(p(n)) = an^3 + 7n \Rightarrow g(3) = 1 \Rightarrow a \times 27 + 21$$

$$p(n) = 3 \rightarrow n - \frac{3}{n} = 3 \rightarrow n = 6 \quad a = 0$$

$$\downarrow n = -1 \Rightarrow -a - 7 = 1 \Rightarrow -a = 8 \Rightarrow a = -8$$