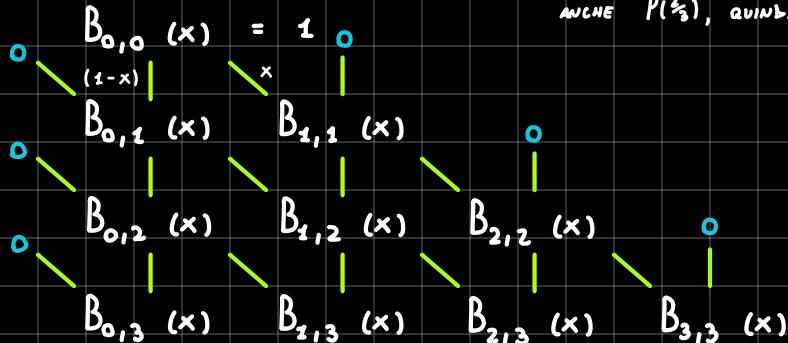


$$\text{ESEMPIO : } p(x) = 2B_{0,3}(x) + 0B_{1,3}(x) + 2B_{2,3}(x) + 0B_{3,3}(x) \quad x \in [0, 1]$$

PUNTI DI VALUTAZIONE :  $[0, \frac{1}{3}, \frac{2}{3}, \frac{3}{2}, 1]$

SCHEMA:

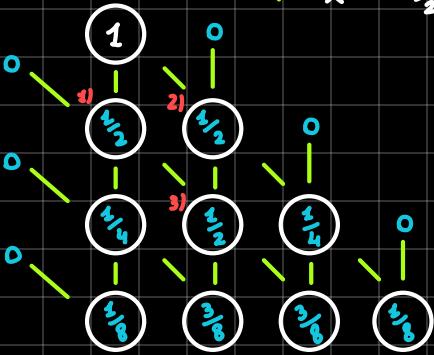


NOTA : SE HO GIÀ CALCOLATO  $P(\frac{1}{3})$   
PER SIMMETRIA CONOSCO GIÀ  
ANCHE  $P(\frac{2}{3})$ , QUINDI E' GRATIS!

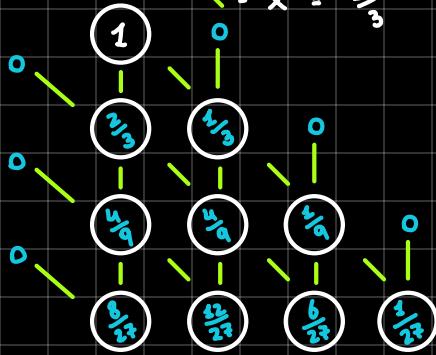
$B_{0,3}$	$B_{1,3}$	$B_{2,3}$	$B_{3,3}$
0	$\frac{1}{2}$	0	0
$\frac{8}{27}$	$\frac{12}{27}$	$\frac{6}{27}$	$\frac{1}{27}$
$\frac{4}{9}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{8}$
$\frac{1}{27}$	$\frac{6}{27}$	$\frac{12}{27}$	$\frac{8}{27}$
0	0	0	1

NOTA :  $p(0) = \sum_{i=0}^3 b_i B_{i,3}(0)$   
 $= b_0 B_{0,3}(0) = b_0$

$$1) \quad x = \frac{1}{2} \quad | = (1-x) = (1 - \frac{1}{2}) = \frac{1}{2} \\ = x = \frac{1}{2}$$



$$2) \quad x = \frac{1}{3} \quad | = (1-x) = (1 - \frac{1}{3}) = \frac{2}{3} \\ = x = \frac{1}{3}$$



$$\begin{aligned} 1) \quad & \frac{1}{2} \cdot 0 + \frac{1}{2} \cdot 1 = \frac{1}{2} \\ 2) \quad & \frac{1}{2} \cdot 1 + \frac{1}{2} \cdot 0 = \frac{1}{2} \\ 3) \quad & \frac{1}{2} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2} \end{aligned}$$

$$\begin{array}{l} P(0) \\ P(\frac{1}{3}) \\ P(\frac{2}{3}) \\ P(1) \end{array} \equiv \left[ \begin{array}{cccc} 1 & 0 & 0 & 0 \\ \frac{8}{27} & \frac{12}{27} & \frac{6}{27} & \frac{1}{27} \\ \frac{4}{9} & \frac{3}{8} & \frac{3}{8} & \frac{1}{8} \\ \frac{1}{27} & \frac{6}{27} & \frac{12}{27} & \frac{8}{27} \end{array} \right] \cdot \left[ \begin{array}{c} 2 \\ 0 \\ 2 \\ 0 \end{array} \right] \quad \left| \quad \begin{array}{l} P(0) \\ P(\frac{1}{3}) \\ P(\frac{2}{3}) \\ P(1) \end{array} \right. \equiv \sum_{i=0}^3 b_i B_{i,3}(x) \right.$$