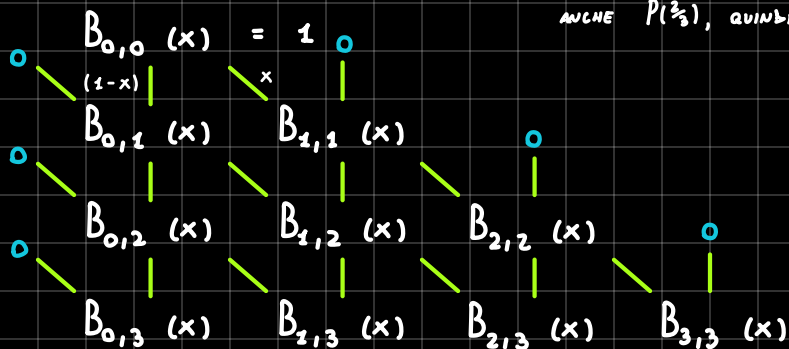


ESEMPIO: $p(x) = 2B_{0,3}(x) + 0B_{1,3}(x) + 2B_{2,3}(x) + 0B_{3,3}(x) \quad x \in [0, 1]$

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

SCHEMA:



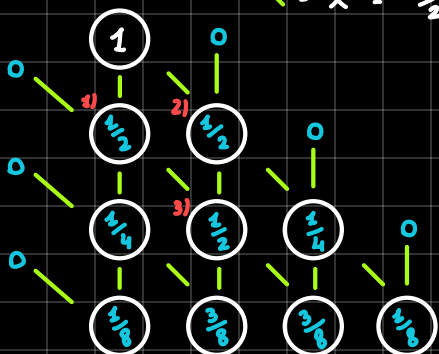
NOTA: SE HO GIÀ CALCOLATO $P(\frac{1}{3})$
PER SIMMETRIA CONOSCO GIÀ
ANCHE $P(\frac{2}{3})$, QUINDI È GRATIS!

MATRICE $B =$

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

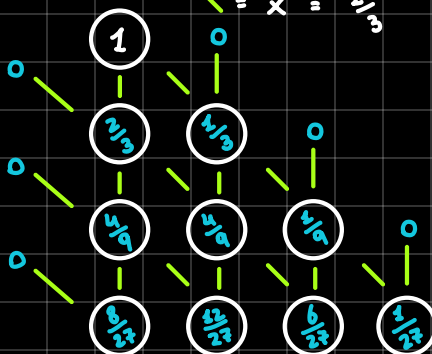
*NOTA: $p(0) = \sum_{i=0}^3 b_i B_{i,3}(0) = b_0 B_{0,3}(0) = b_0$

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



1) $\frac{1}{2} \cdot 0 + \frac{1}{2} \cdot 1 = \frac{1}{2}$
 2) $\frac{1}{2} \cdot 1 + \frac{1}{2} \cdot 0 = \frac{1}{2}$
 3) $\frac{1}{2} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2}$

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



$$\begin{matrix} P(0) \\ P(\frac{1}{3}) \\ P(\frac{1}{2}) \\ P(\frac{2}{3}) \\ P(1) \end{matrix} = \begin{bmatrix} B_{0,3} & B_{1,3} & B_{2,3} & B_{3,3} \end{bmatrix} \cdot \begin{bmatrix} 2 \\ 0 \\ 2 \\ 0 \end{bmatrix}$$

$$\begin{matrix} P(0) \\ P(\frac{1}{3}) \\ P(\frac{1}{2}) \\ P(\frac{2}{3}) \\ P(1) \end{matrix} = \sum_{i=0}^3 b_i B_{i,3}(x)$$