

6B. Multiplicador binário  $2 \times 2$  que calcula  $2 \times 3 + 1$

$$A \equiv A_1 A_0 ; B \equiv B_1 B_0 ; P = A \times B \equiv P_3 P_2 P_1 P_0$$

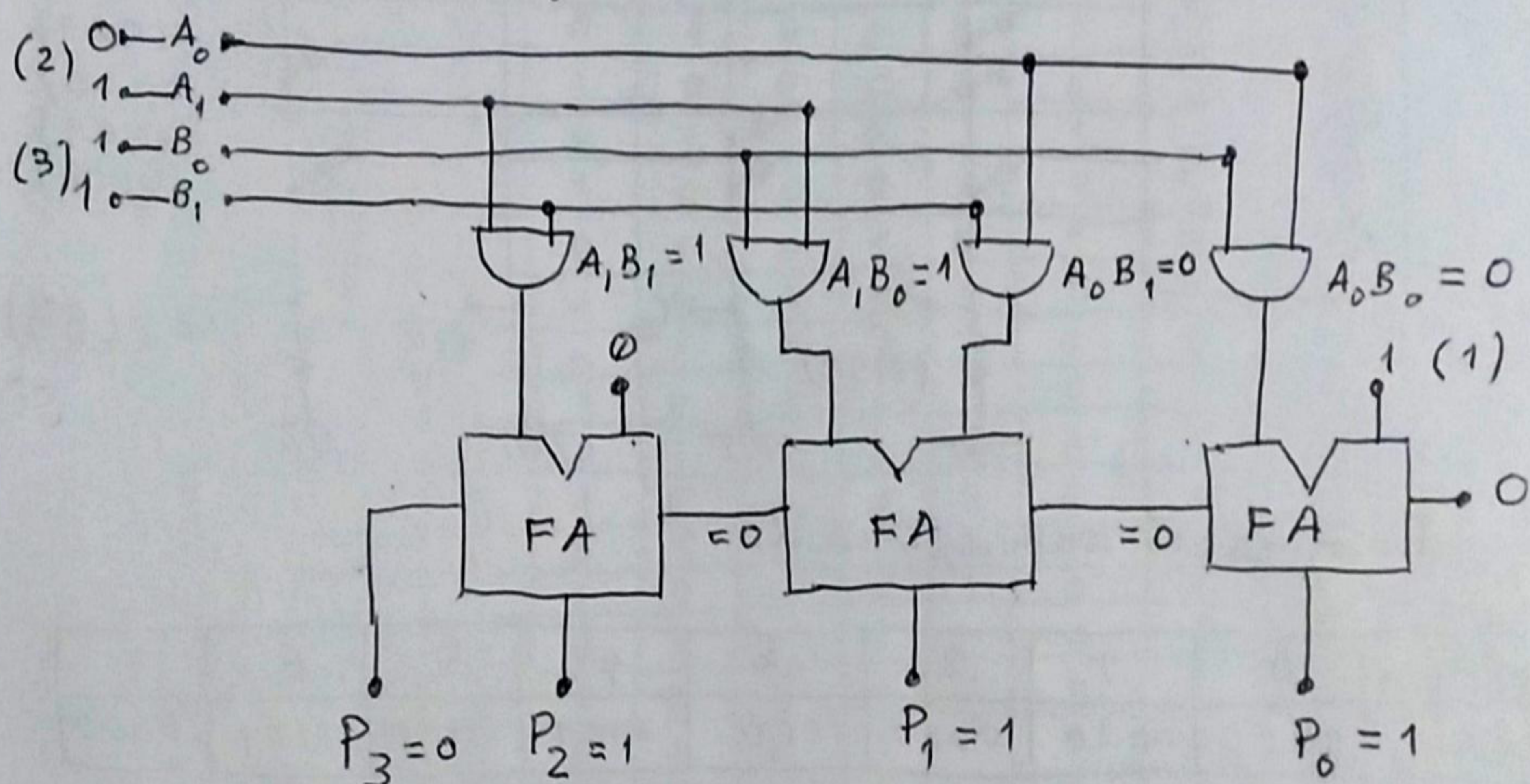
$$\begin{array}{r} B_1 B_0 \\ \times A_1 A_0 \\ \hline A_0 B_1 A_0 B_0 \end{array}$$

$$A = 2 = (10)_2$$

$$B = 3 = (11)_2$$

$$A_1 B_1 A_1 B_0$$

$$\begin{array}{c} \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \\ P_3 \quad P_2 \quad P_1 \quad P_0 \end{array}$$



$$P = (0111)_2 = 7$$