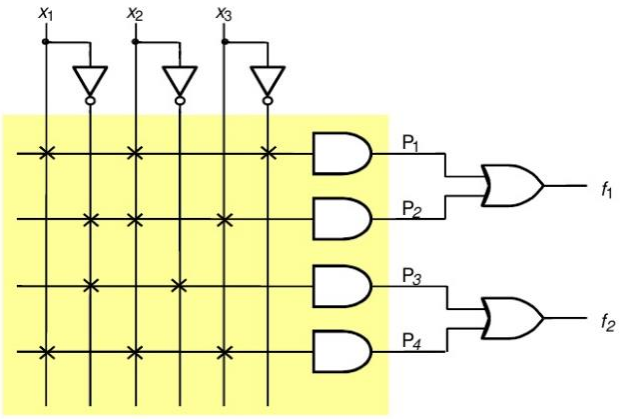
تمرین PAL

خروجی مدارهای زیر را بر حسب ورودی بنویسید.

1)

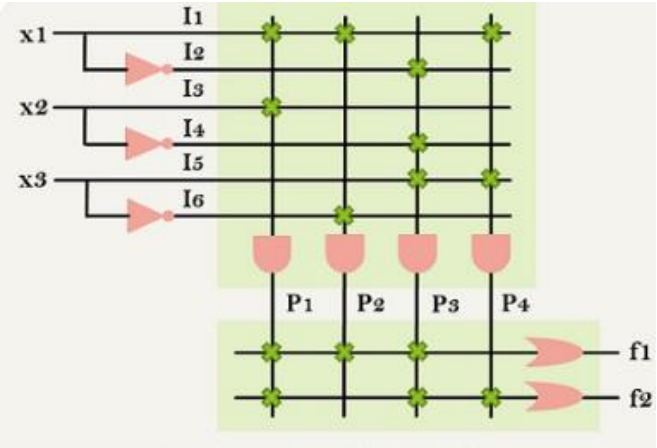


جواب:

$$f_1 = x_1x_2x_3' + x_1'x_2x_3$$

$$f_2 = x_1'x_2' + x_1x_2x_3$$

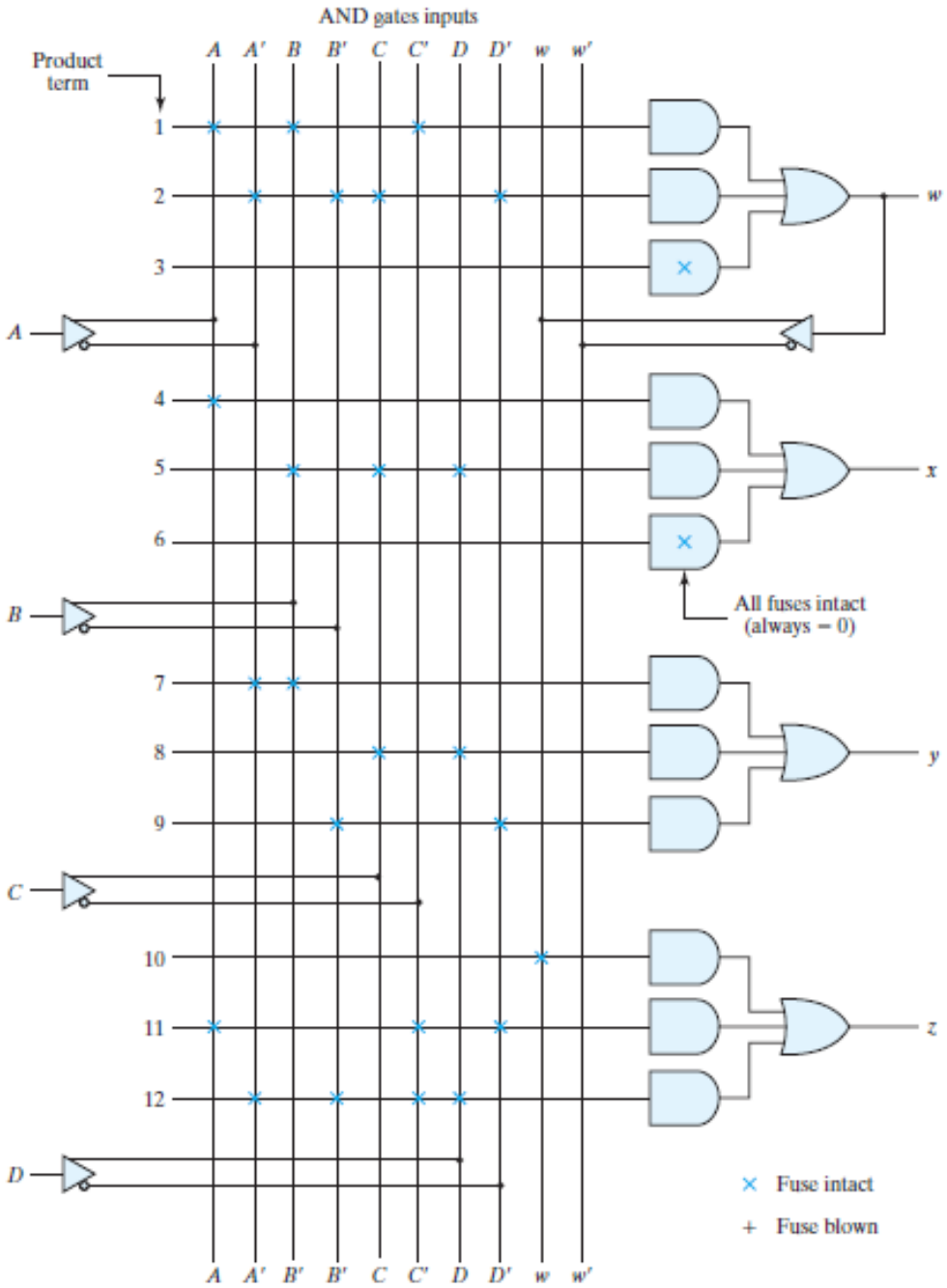
2)



جواب:

$$f_1 = x_1x_2 + x_1x'_3 + x'_1x'_2x_3$$
$$f_2 = x_1x_2 + x'_1x'_2x_3 + x_1x_3$$

(3



$$w = ABC' + A'B'CD'$$

$$x = A + BCD$$

$$y = A'B + CD + B'D'$$

$$z = ABC' + A'B'CD' + AC'D' + A'B'C'D$$

$$= w + AC'D' + A'B'C'D$$