

3. $f(P, Q, R, S) = \sum(2, 4, 9, 14) + d(0, 3, 5, 6, 8, 10, 12, 15)$

P

 Q

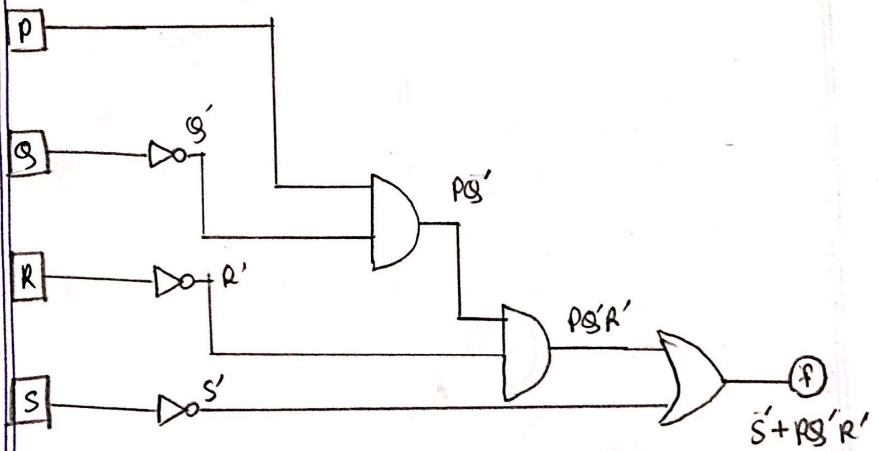
 R

		AS			
		00	01	11	10
00		X	0	X	1
01		1	X	0	X
11		X	0	X	1
10		X	1	0	X

S

 R

$$\therefore f = PQ'R' + S'$$



$$f = S' + P Q' R'$$