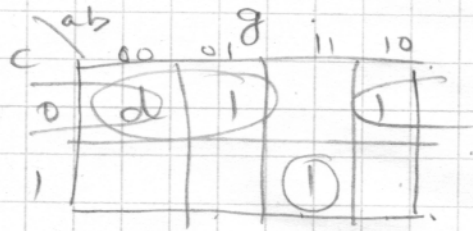
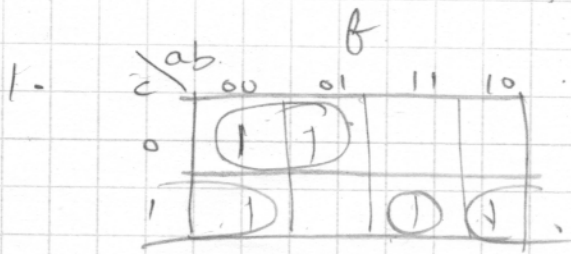


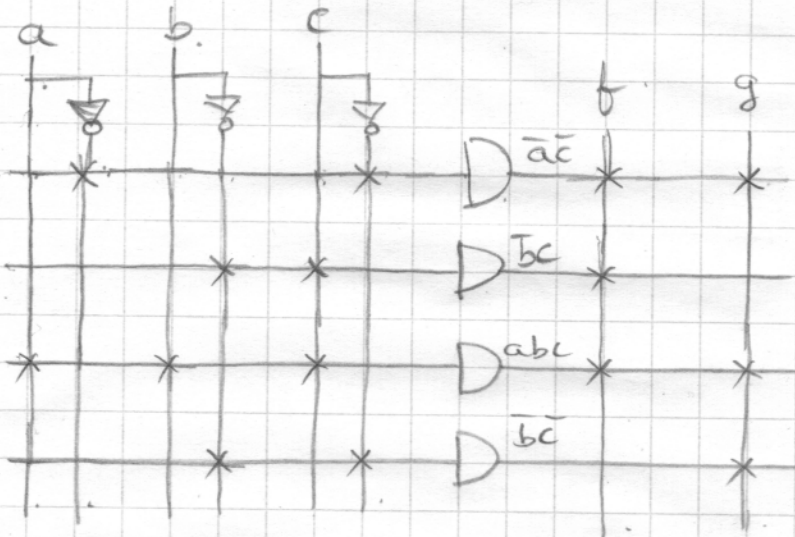
ASSS Solns/.



$$f = \bar{a}\bar{c} + \bar{b}c + abc$$

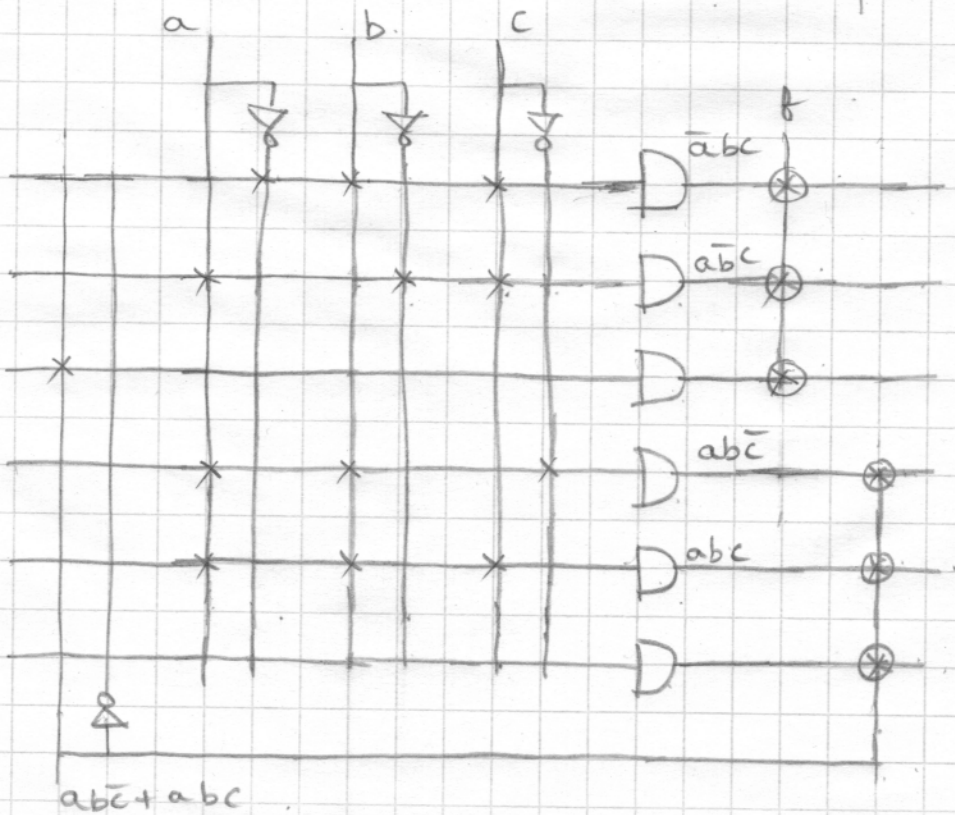
$$g = \bar{a}\bar{c} + \bar{b}\bar{c} + abc$$

Terms $\bar{a}\bar{c}$ and abc are shared



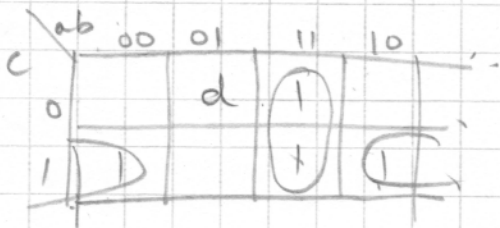
2. $f = \bar{a}bc + a\bar{b}c + (a\bar{b}\bar{c} + abc)$

Implement as another fny.

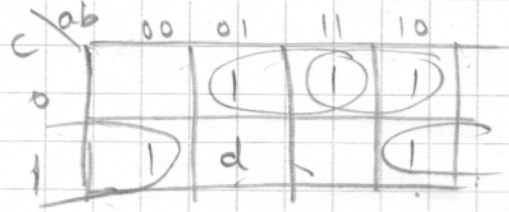
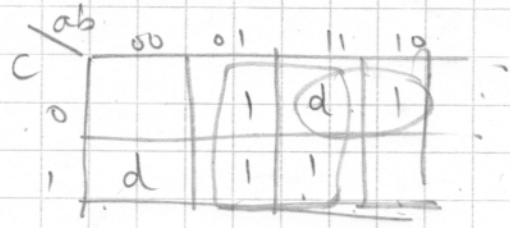


3.

f



g



$$f = ab + \bar{c}$$

$$\bar{c} = c\bar{b}$$

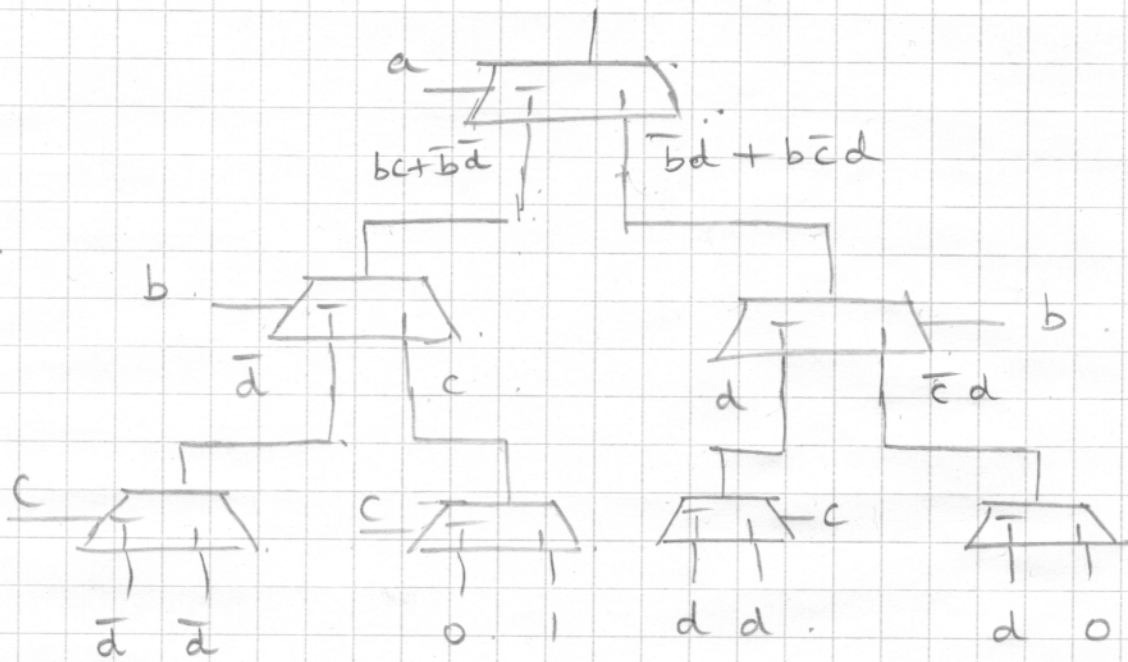
$$g = b + k$$

$$k = a\bar{c}$$

$$h = b\bar{c} + \bar{c} + k$$

4.

$$\bar{a}bc + \bar{b}(ad + \bar{a}\bar{d}) + ab\bar{c}d$$



5. $\bar{z} = abc + \bar{a}cd + \bar{b}ad + da\bar{c}b$

	cd	00	01	11	10
ab					
00			1	1	1
01					1
11		1	1		
10					

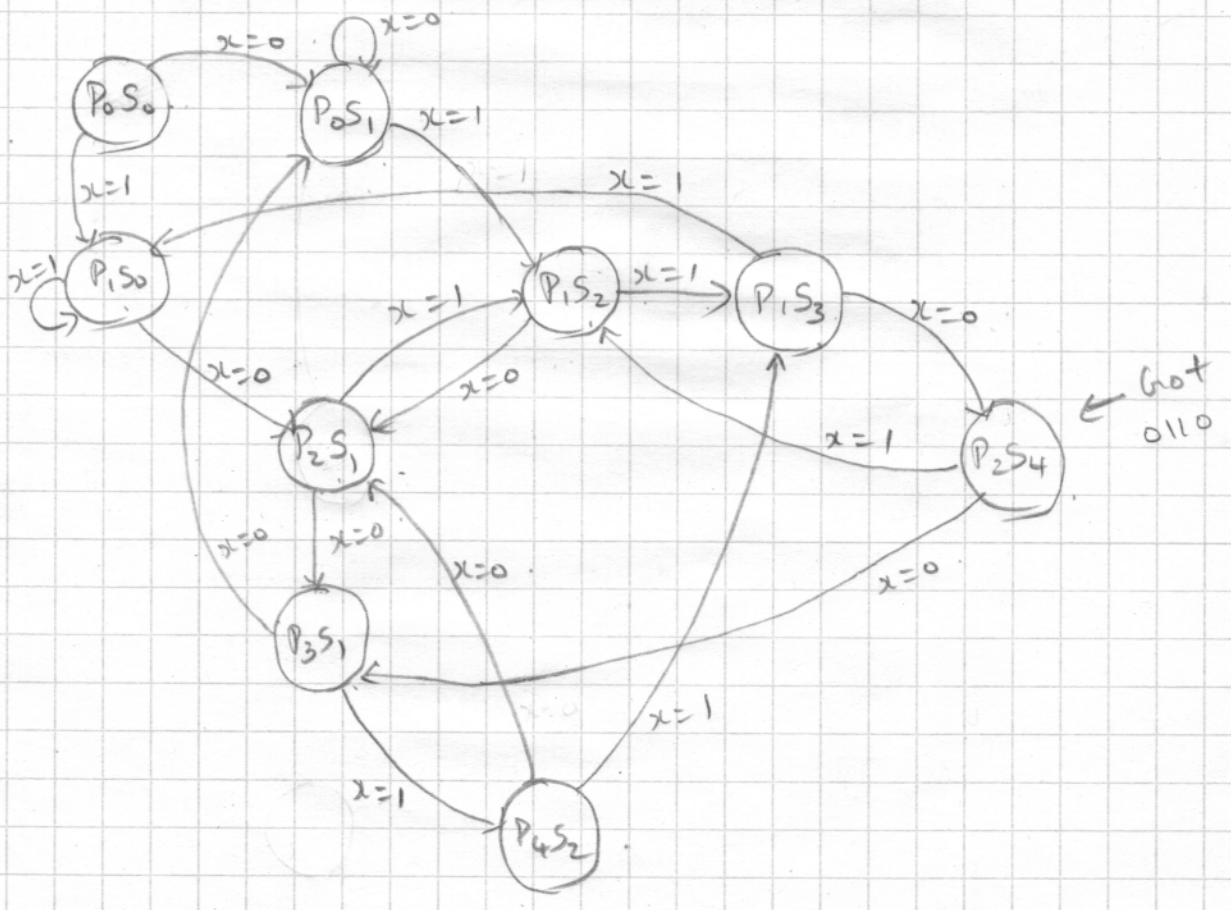
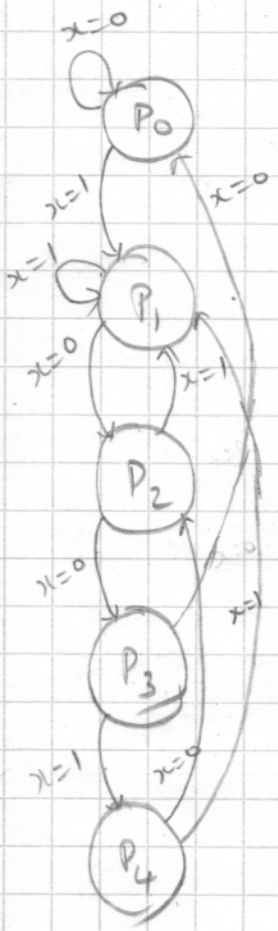
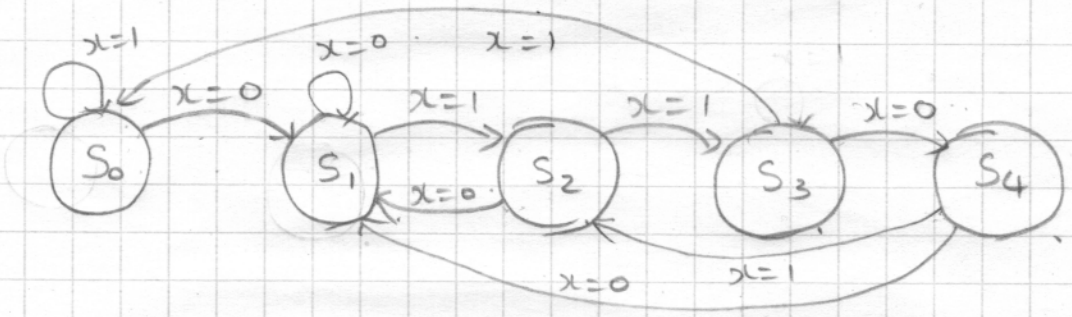
Invert

Kmap for Z

	cd	00	01	11	10
ab					
00		1			
01		1	1	1	
11				1	1
10		1	1	1	1

$z = a\bar{b} + ac + \bar{a}\bar{c}\bar{d} + \bar{a}bd$

6.



↑ Got 1001