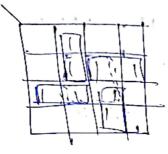




No common .

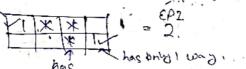




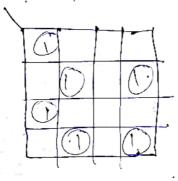
I 2 8 If only one amouter is possible all is anserept. EPI 2 4 d ADD+ABC+ACP +ABC>

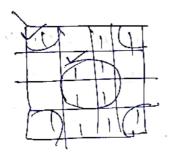
But after making I group don't make small group inside

EPI can also be checked by the no. of i's can have only I possibly to make pair.

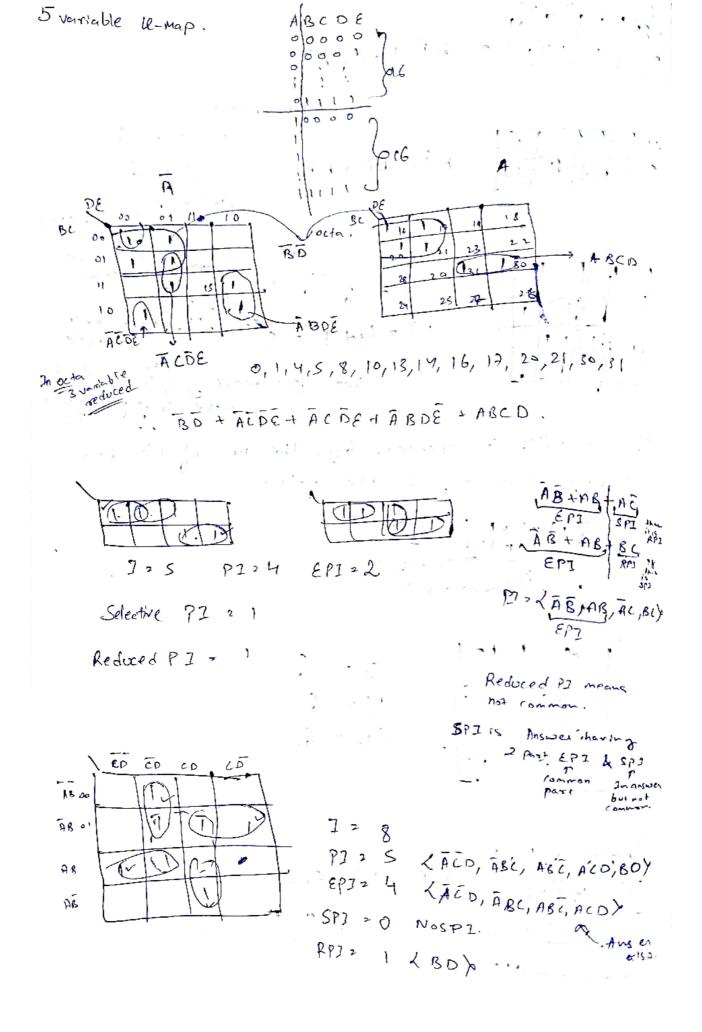


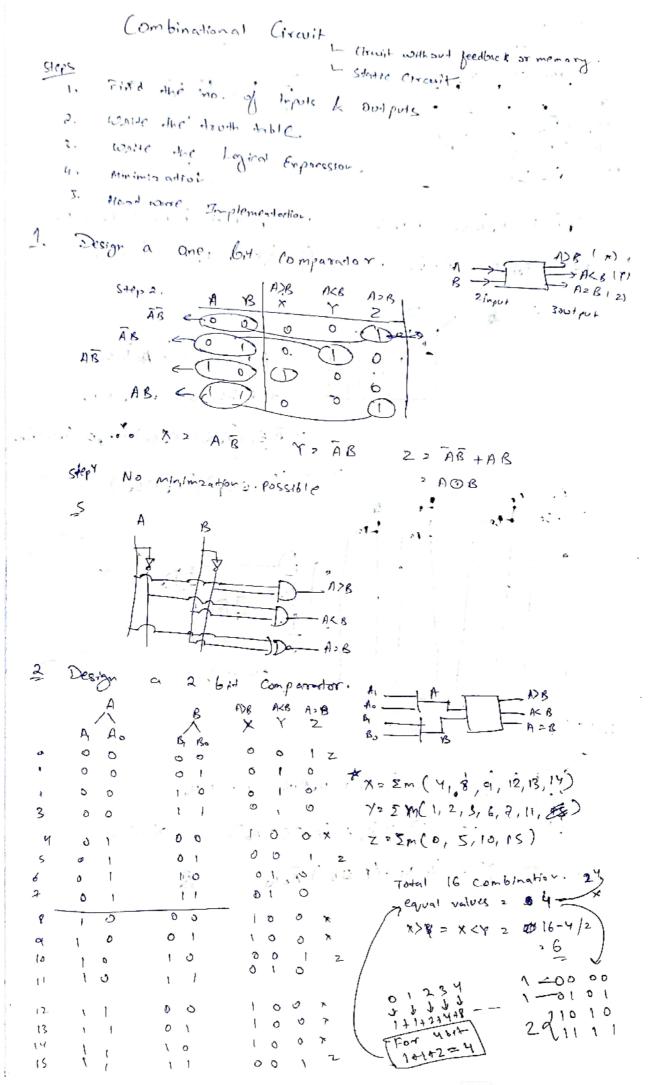


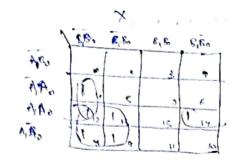




BP , BD EPT.





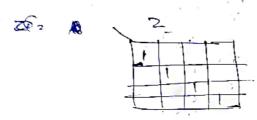


A , B, + A , B, B + A, A . B .

X= A, B, + . DB. no & (A, + B,)

~

A, B, + B, A, (A, + B,)

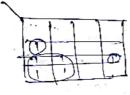


-> AjAoBjBo + AjAoBjBo. + A, A. B, B. + A, A. B, B.

-> T.B, (AB+ ABB) + AB, (AB

2 2 (A,OB) (ADOBO)

Short cut 1



AIB, + A, AOBIBO + A, AOB, Bo

2) AiB, + (AiOBi) AoBo -> XA>B.

Y = A, 81+(A,OB,) A.B.



Main Short cut MSEZMSE than LSBS (A, OB) (ADBO) must be smaller bar'- 1 must then . Y (ALB) > A,B, + (A,OB) (A,Bo)

S2 619 Chample 42 47

A1>B1

... A,B1

... A,B1 Z (A=B) = 42 = 42. 1. (AOB) (AO OBO) A)B ALB2 + (A2OB) A,B, + (A2OB2) (A2OB2) AOBO 1 bit comparator. 2 bit 3 bit 16th 16th 16th 22mm # otal combinations  $\frac{1}{2}$   $\frac{1}{2}$ Total combinations 4 Corrected = Less conditions 1 6 A. A > 36i+ B > 26i+ B. Bo i 25 combination. = 32 A>B? scompair between A, Ao & B, Bo
Basically 2 bit compair.

combination 24 216

equal 222 24 10 16 Allways --- A>B A>B = 22

A -> 5 61 L B> 361/

> B 000

Au>By -> 256/2 2 128.

 $A_3 > B_3 \rightarrow 128/2 2 64$ 

Now A2 A1 A0 > B2 B, Bo

Basically 3 bit companison
2 70til combo à 2 843 2 2 6 2 64

egnal 232 8

ADB = (64-8)/2 25 56/2

128+64+28 2 220