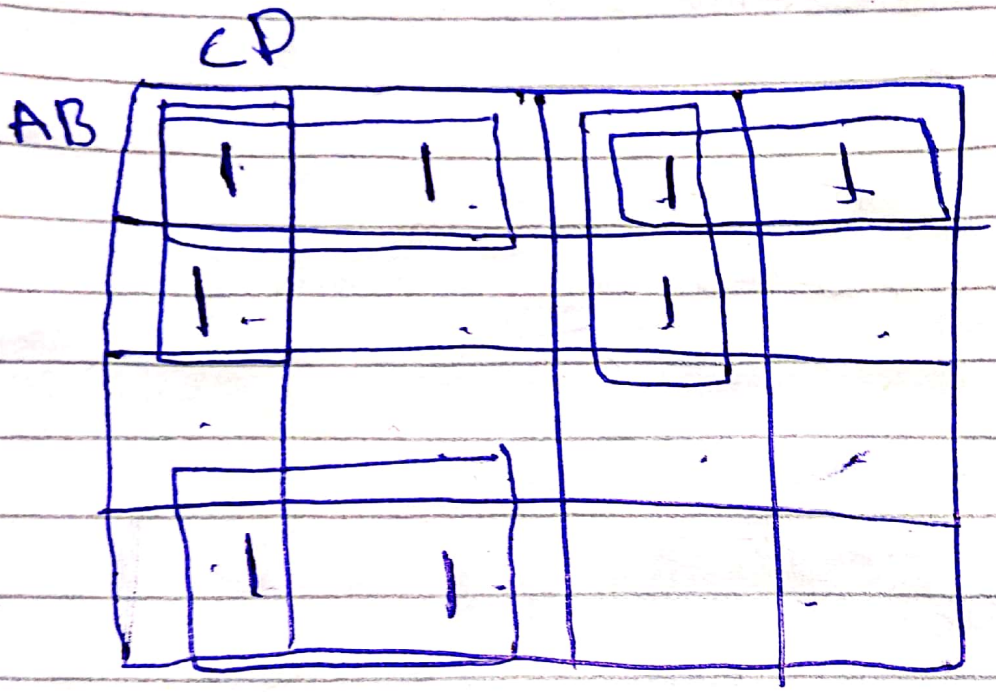
Q5 NOC

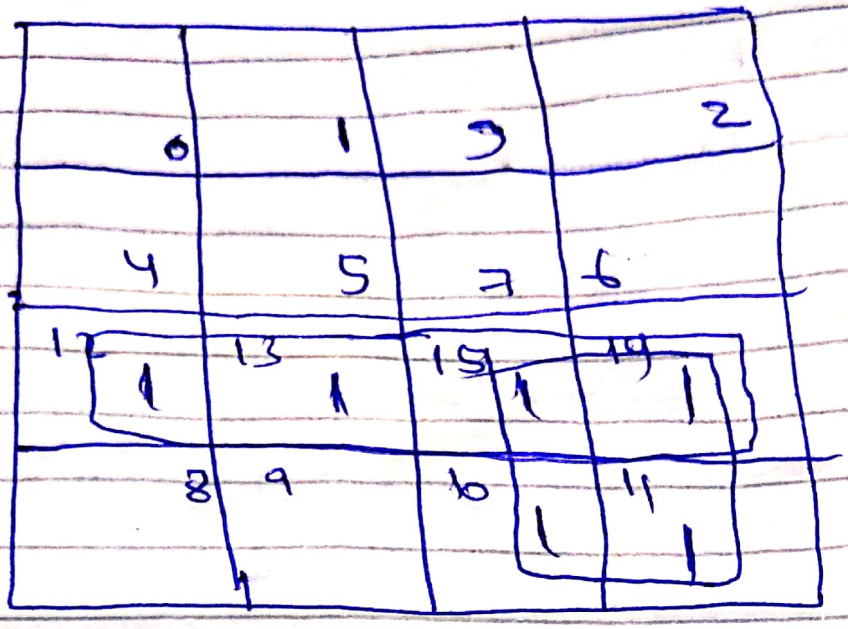
$F(A, B, C, D)$

$\Sigma d\ (10, 11, 12, 13, 14, 15)$



$$\Sigma_m = \bar{A}C\bar{D} + \bar{B}\bar{C} + \bar{A}\bar{B} + AB$$

Now for Σd



$$\mathcal{E}_d = AB + AC$$

$$\mathcal{E}_m + \mathcal{E}_d = \bar{A}C\bar{D} + \bar{B}\bar{C} + \bar{A}\bar{B} + AB + AB + AC$$

$$\bar{A}C\bar{D} + \bar{B}\bar{C} + \bar{A}\bar{D} + AB + AC$$