

Assignment - 2

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4th June

K-Map

Q) q = Can profile A access profile B

a = is friend

b = is Blocked

c = is Admin

d = is Mark Zuckerberg.

a b c d q

0 0 0 0 0

0 0 0 1 1

0 0 1 0 1

0 0 1 1 1

0 1 0 0 0

0 1 0 1 1

0 1 1 0 0

0 1 1 1 1

1 0 0 0 1

1 0 0 1 1

1 0 1 0 1

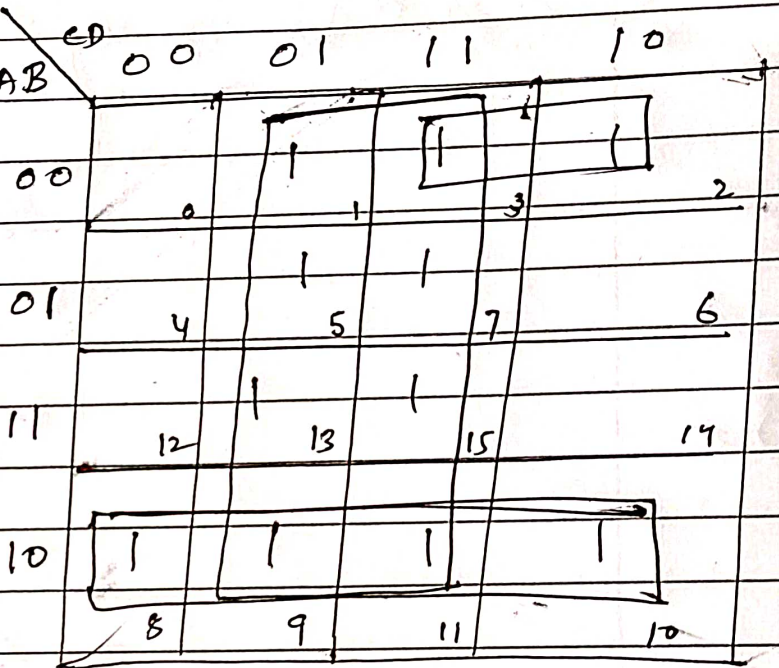
1 0 1 1 1

1 1 0 0 0

1 1 0 1 1

1 1 1 0 0

1 1 1 1 1



$$q = D + \bar{B}C + A\bar{B}$$

$$q = (D + \bar{B}C + A\bar{B})$$

if $((D) \text{ or } (\text{not } B \text{ and } C) \text{ or } (A \text{ not } B))$:

print ("Access")

else :

print ("Denied")