## ASSIGNMENT NO. 5

## MD UMAID SHAAN

January 8, 2021

## 1 Boolean Expression For "e"

$$e = A.\overline{B}.\overline{C}.\overline{D} + A.B.\overline{C}.\overline{D} + \overline{A}.\overline{B}.C.\overline{D} + A.\overline{B}.C.\overline{D} + A.B.C.\overline{D} + A.\overline{B}.\overline{C}.D \quad (1)$$

## 2 K-Map For The Given Expression

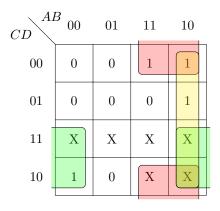


Figure 1: K-Map for e using don't care condition