**13.**

  A′B′CD + A′BCD + ABCD + AB′CD + ABC′D′ + ABC′D + ABCD′
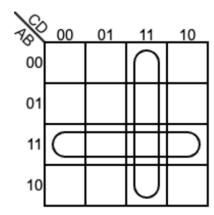
The above boolean algebra can be simplified to AB + CD.
The calculating process is presented in K-map format below.



X are Don't Care tiles.
O are normal tiles, AKA 1.