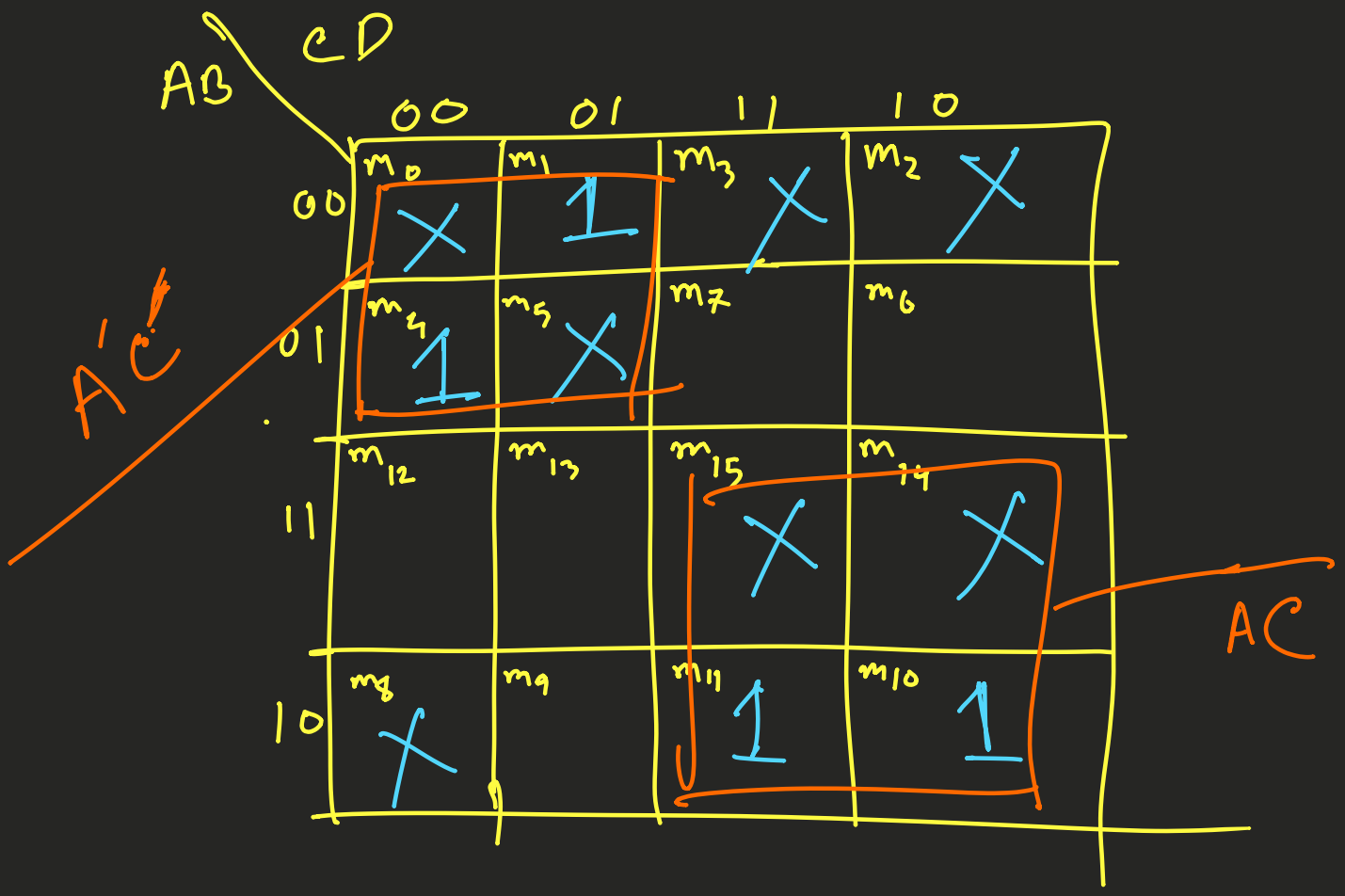
Problem 01

$$f(A,B,C,D) = \sum(1,4,10,11) + D(0,2,3,5,8,14,15)$$



$$\therefore F = A'C' + AC$$

Problem 02

$$f(A,B,C,D,E)$$

$$= \sum 4,5,17,19,25,27$$

$$+ D(2,6,12,13,16,18,24,26,30,31)$$

$$F = AC' + A'CD'$$