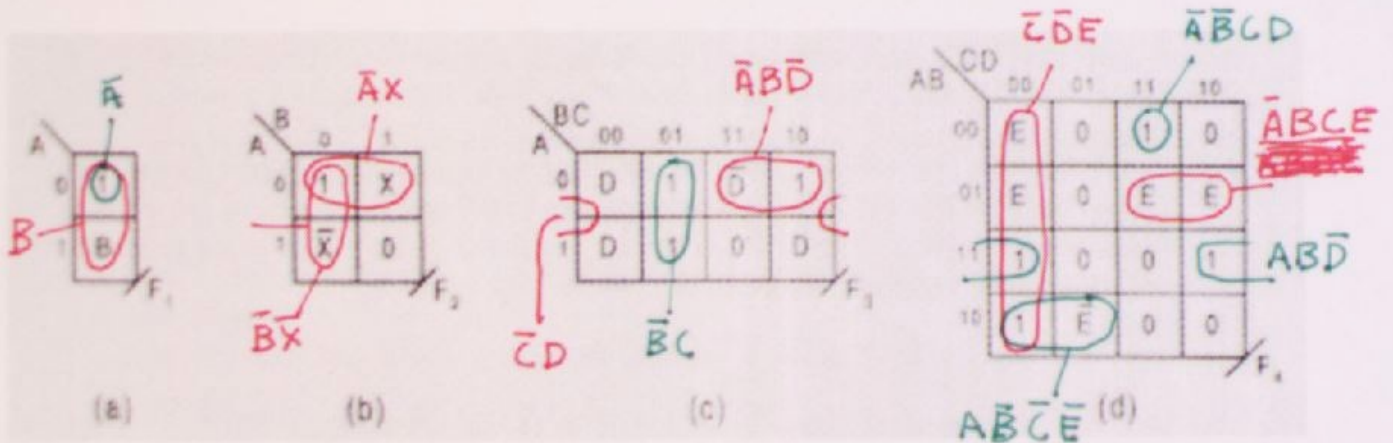


## HW#6 Solution

- 1) Read the handout posted on the class web page regarding entered variable mapping.
- 2) For each K-map shown below, loop out and extract minimum SOP expressions. Submit your work to the D2L dropbox.



a)  $F_1 = \bar{A} + B$

b)  $F_2 = \bar{A}X + \bar{B}\bar{X}$

c)  $F_3 = \bar{A}\bar{B}\bar{D} + \bar{C}D + \bar{B}C$

d)  $F_4 = \bar{C}\bar{D}E + \bar{A}BCE + AB\bar{D} + A\bar{B}\bar{C}\bar{E} + \bar{A}\bar{B}CD$