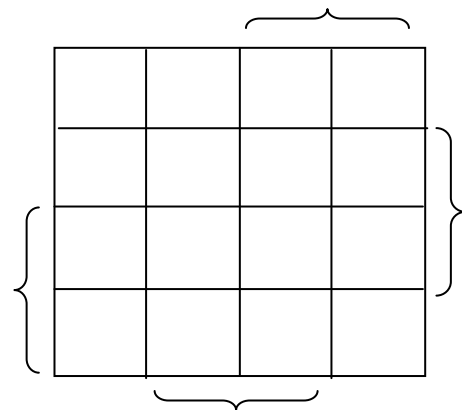
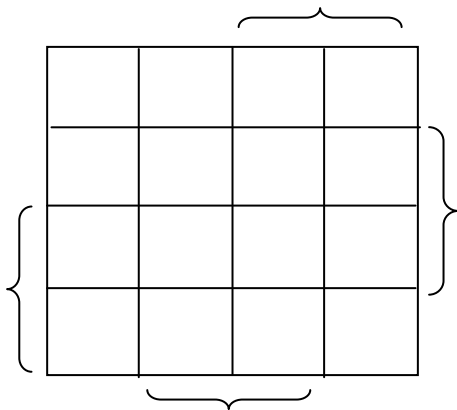


KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
Department of Electrical Engineering
EE200 Digital Logic Circuit Design

1 December 2010	Quiz #4	Section: 01
Student's Name :		I.D.# :

1. Simplify the following Boolean function F together with the don't care conditions d, (a) in SOP form, and (b) in POS form.

$$F(A, B, C, D) = \sum(0,1,2,9,11) \quad \text{and} \quad d(A, B, C, D) = \sum(8,10,14,15)$$



Do not write below this line