

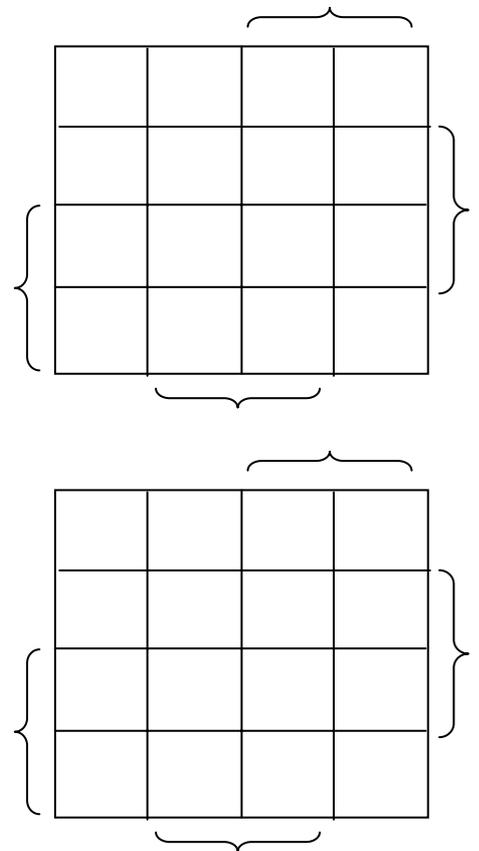
**KING FAHD UNIVERSITY OF PETROLEUM & MINERALS**  
Department of Electrical Engineering

<b>EE200 Digital Logic Circuit Design</b>	<b>Quiz # 3</b>	<b>3 November 2007</b>
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<b>Student's Name:</b>	<b>I.D.#:</b>
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Simplify the following Boolean function F together with the don't care conditions d, (a) in SOP form, and (b) in POS form.

$$F(A, B, C, D) = \Pi(2, 3, 6, 7, 8, 12) \quad \text{and} \quad d(A, B, C, D) = \Sigma(0, 4, 10, 14)$$



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