

**University of California at Berkeley**  
**College of Engineering**  
**Department of Electrical Engineering and Computer Science**

EECS 150  
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**Homework Quiz # 2 (2 February)**

**Name:** \_\_\_\_\_ **SID:** \_\_\_\_\_

Consider the following Boolean function in *Product of Sums* form:

$$F(A,B,C,D) = (A + B' + D) (A' + B' + D) (B' + C' + D') (A' + C + D) (A' + C' + D)$$

Find the minimized *Sum of Products* expression for this function. You may use any method you like (HINT: the K-map method is probably the fastest!). Show your work below:

F(A,B,C,D)=