

Quiz 3 – EECS 270, Spring '22

Name: _____ unique name: _____

Honor code:

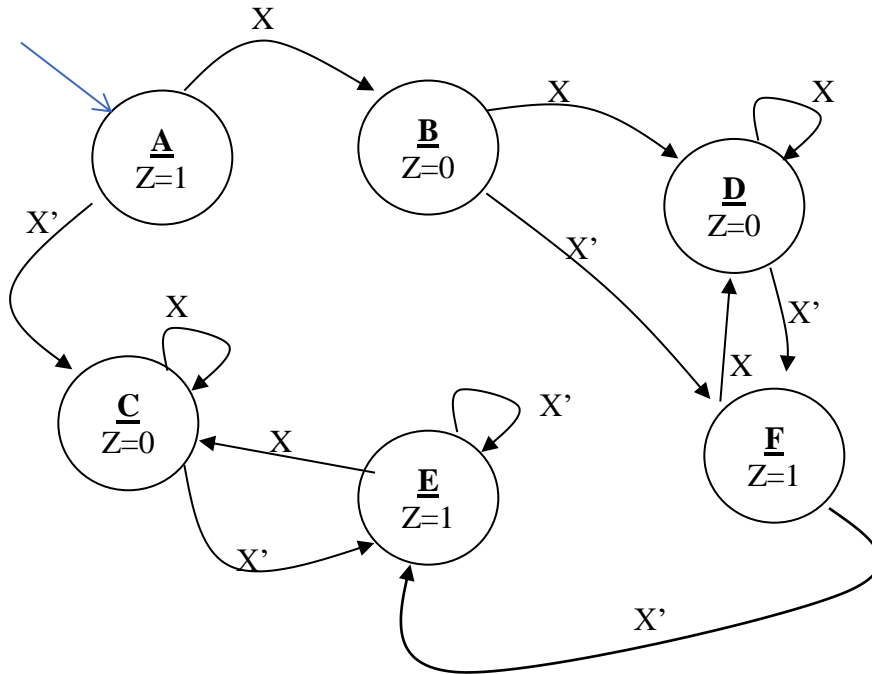
I have not given or received aid on this quiz, nor have I observed anyone else doing so:

Sign here: _____

This quiz is graded out of 100 points and is worth about 3% of your class grade. You will have **20** minutes for this quiz. ***Closed everything including calculators!*** To receive partial credit, work must be shown.

1. Find the minimum ***product-of-sums*** of $\sum_{(a,b,c,d)=(2,4,6,9,10,12,13)+d(11,15)}$ using a K-map. Show your work and clearly circle your answer. **[40]**
Note: this is Product-of-sums!!!

2. Reduce the number of states in the state transition diagram as much as possible using the partitioning method. Show your work and draw the reduced state diagram. [60 points]



A					
B					
C					
D					
E					
	F	A	B	C	D