

MAC283 Test NO 1. Spring 2025

For all questions, provide a step by step answers.

1. Design and implement a 7 segments decoder for the segment E(14). I.e. for numbers that are from 0 to D.

2. Using T-FF Design and implement a synchronous loop counter that counts: 7,0,3,2,5,6,4

3. Simplify $Y = B(+)D + A'D'$

Send your work to: prof@dpeled.com

Please make sure that I acknowledge receiving your email with the exam before departing.

Good Luck!