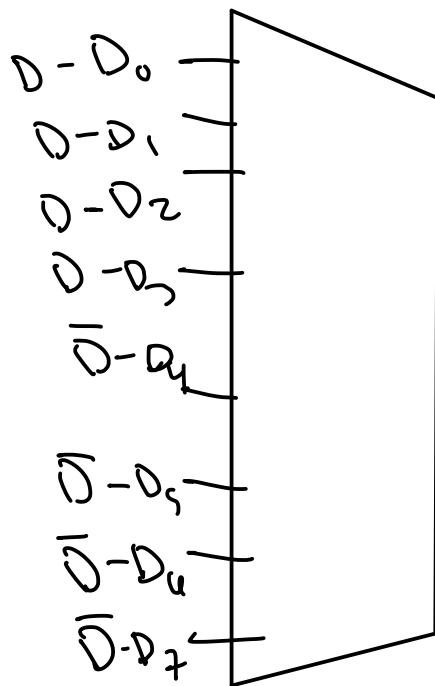## Schematic using 8:1 MUX (4 points)
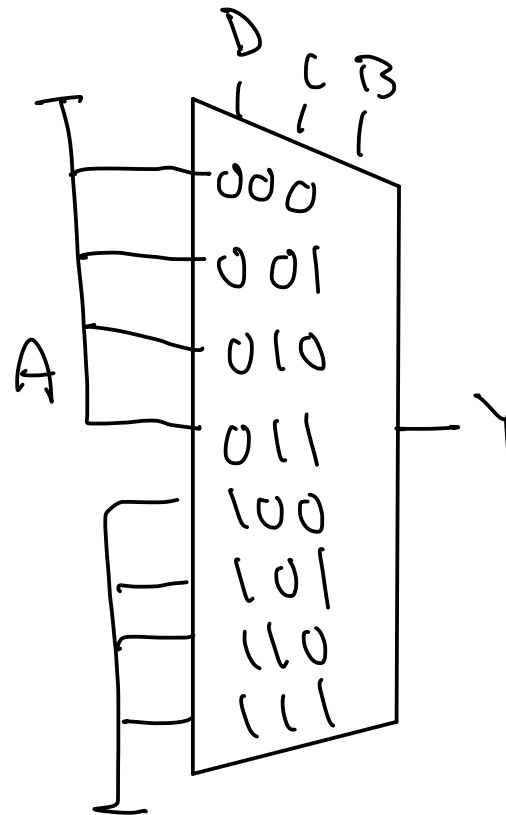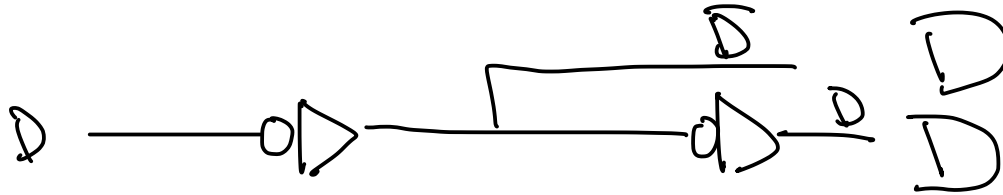
Schematic using 4:16 one-cold decoder (4 points)

4:16 decoder

A

B

C

D

Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
Y9
Y10
Y11
Y12
Y13
Y14
Y15
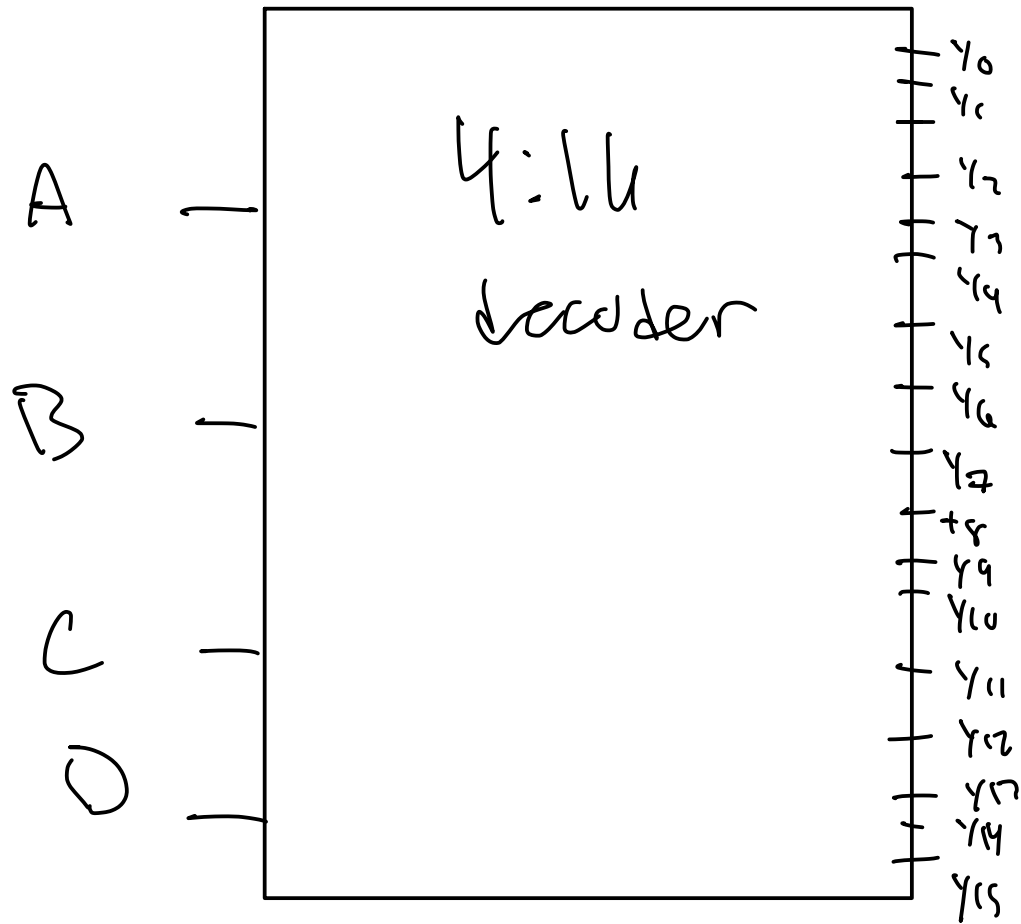
Schematic using only NOT, OR, AND (4 points)
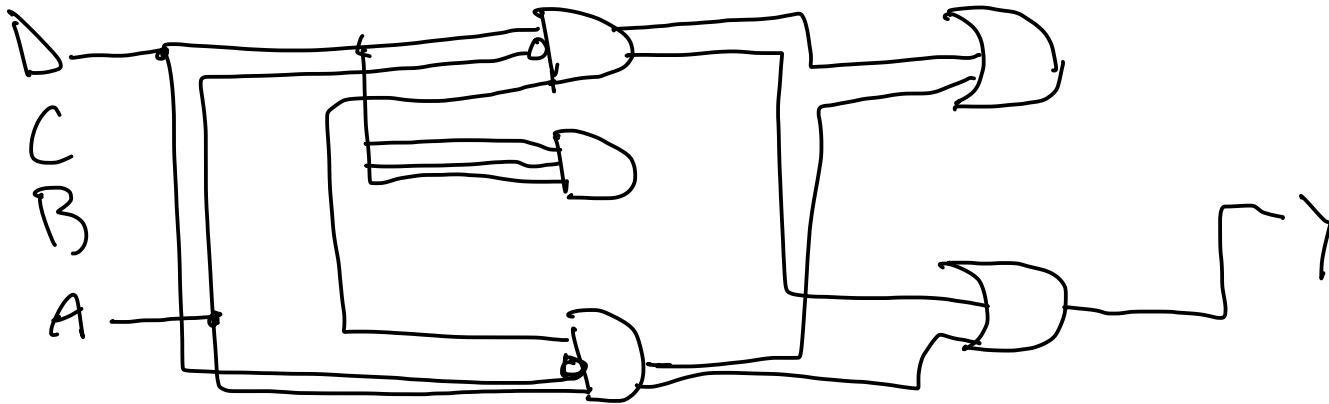
Schematic using NAND (3 points)