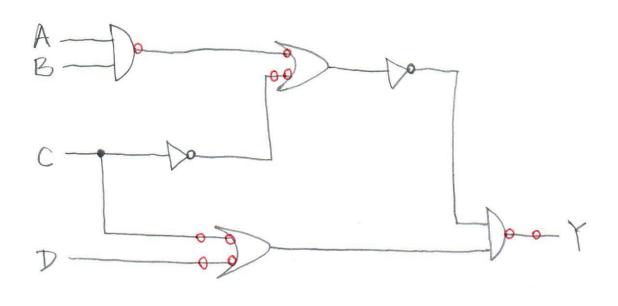
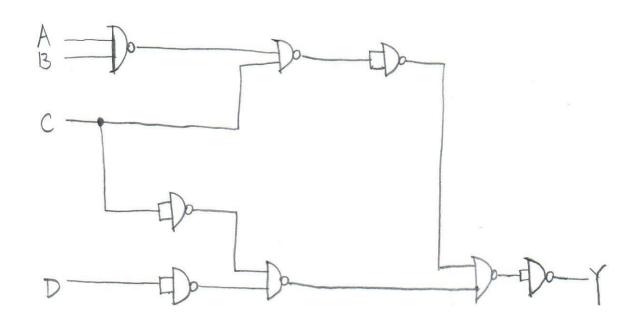
## EE115B, Fall 2024, Homework 3 Solution



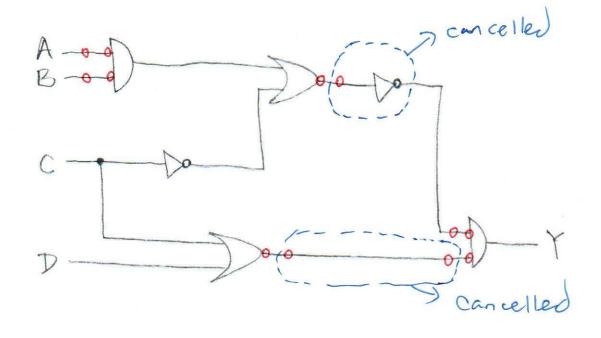
(. (1) NXND-only

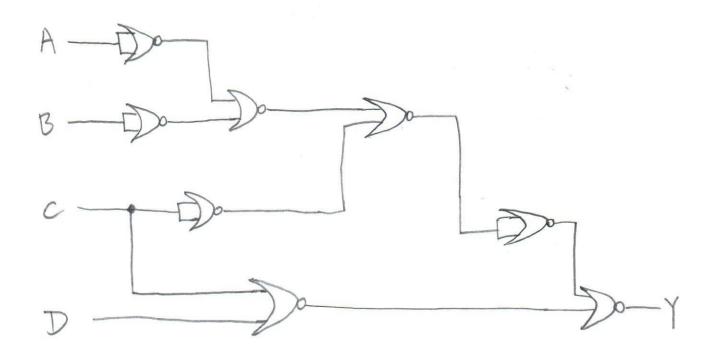




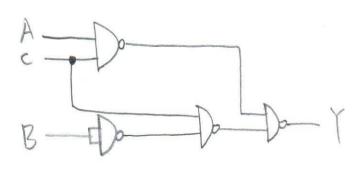


(2) NOR-only

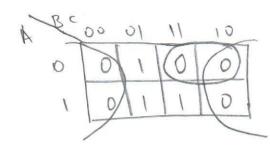




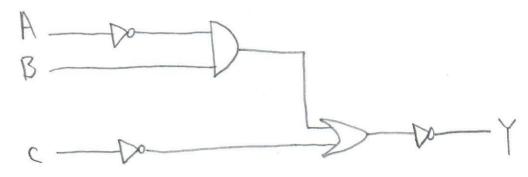




## (3) AUI



$$Y = \overline{c} + \overline{A}B$$





$$Y = \overline{c} + \overline{AB} = \overline{c} + \overline{AB} = \overline{c} + \overline{A+B}$$

