Lab circuit schematic

Draw all three versions

1. \[ A \quad B \quad C \quad D \quad Z \]

2. \[ A \quad B \quad 1 \quad 1 \quad D \quad Z \]

3. Physical circuit using chips

Circuit tip

Share terms (intermediate signals) to save hardware

Ex: \[ X = AB + \overline{CD} \]
\[ Y = AB + \overline{CD} \]

Same!