

LED HALF ADDER [SOLUTION]

Wires Needed

6 Small (green): power/ground

4 Medium (orange): inputs

1 Medium (yellow) + 1 Long (purple): outputs

Orientation (Where to connect 5V pin)

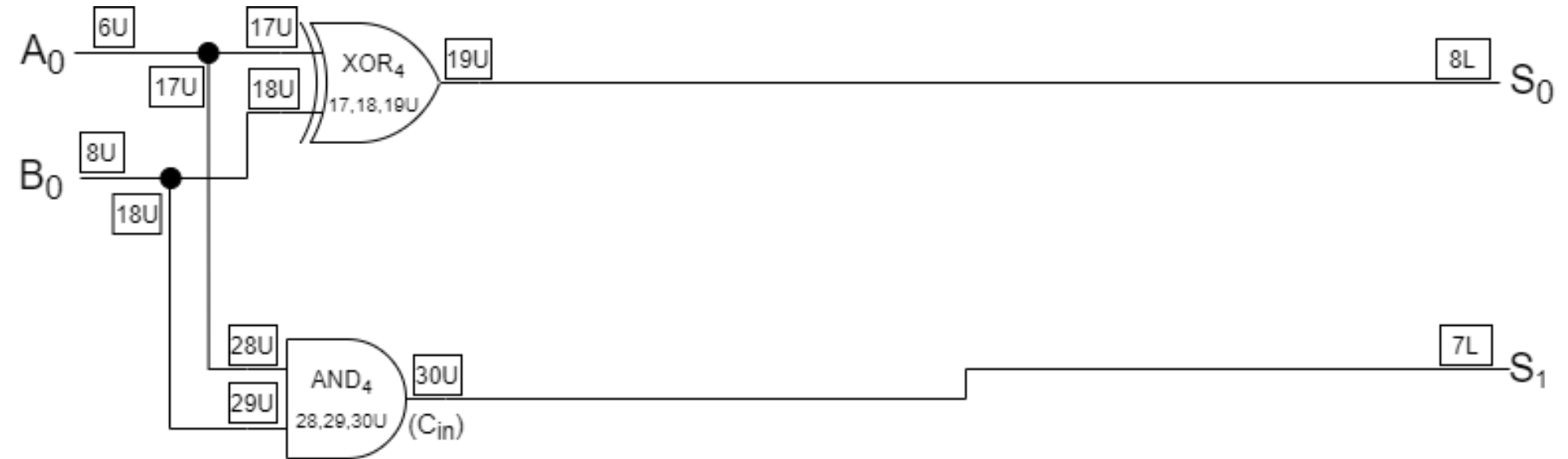
PCB: 9F

XOR: 16F

AND: 27F

Power Wiring Directions

Wire	Connection	Start	End	Done
VCC ₁		9J	9+	<input type="checkbox"/>
VCC ₂		16J	16+	<input type="checkbox"/>
VCC ₃		27J	27+	<input type="checkbox"/>
GND ₁		4-	4A	<input type="checkbox"/>
GND ₂		22-	22A	<input type="checkbox"/>
GND ₃		33-	33A	<input type="checkbox"/>



LED Calculator [SOLUTION]

Wires Needed

- 6 Small (green): power/ground
- 8 Medium (orange): inputs
- 2 Small (green) + 4 Medium (yellow or orange): intermediate
- 3 Medium (yellow): outputs

Orientation (Where to connect 5V pin)

- PCB: 9F
- XOR: 16F
- AND: 27F

Power Wiring Directions

Wire	Connection	Start	End	Done
VCC ₁		9J	9+	<input type="checkbox"/>
VCC ₂		16J	16+	<input type="checkbox"/>
VCC ₃		27J	27+	<input type="checkbox"/>
GND ₁		4-	4A	<input type="checkbox"/>
GND ₂		22-	22A	<input type="checkbox"/>
GND ₃		33-	33A	<input type="checkbox"/>

