

avsdserf_adder SPICE NETLIST

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* D:\ayush\full_adder\full_adder.cir

```
.lib "sky130_fd_pr/models/sky130.lib.spice" tt
```

```
xQ1 VDD A GND VDD sky130_fd_pr__pfet_01v8 W=1 L=0.5
xQ2 GND A GND GND sky130_fd_pr__nfet_01v8 W=0.42 L=0.5
xQ3 A B Net_Q3-Pad3_ A sky130_fd_pr__pfet_01v8 W=1 L=0.5
xQ4 Net_Q3-Pad3_ B GND GND sky130_fd_pr__nfet_01v8 W=0.42 L=0.5
xQ5 VDD Net_Q3-Pad3_ GND VDD sky130_fd_pr__pfet_01v8 W=1 L=0.5
xQ6 GND Net_Q3-Pad3_ GND GND sky130_fd_pr__nfet_01v8 W=0.42 L=0.5
xQ7 Net_Q3-Pad3_ C SUM Net_Q3-Pad3_ sky130_fd_pr__pfet_01v8 W=1 L=0.5
xQ8 SUM C GND GND sky130_fd_pr__nfet_01v8 W=0.42 L=0.5
xQ10 B A CARRY CARRY sky130_fd_pr__nfet_01v8 W=0.42 L=0.5
xQ9 C Net_Q3-Pad3_ CARRY CARRY sky130_fd_pr__nfet_01v8 W=0.42 L=0.5
```

```
VDD VDD 0 3.3
```

```
V1 A 0 pulse(0 2.5 0s 0s 5us 10us)
```

```
V2 B 0 pulse(0 2 0s 0s 5us 10us)
```

```
V3 C 0 pulse(0 1.8 0s 0s 5us 10us)
```

```
.tran 0.1us 40us
```

```
.control
```

```
run
```

```
plot V(A)
```

```
plot V(B)
```

```
plot V(C)
```

```
plot V(SUM)
```

```
plot V(CARRY)
```

```
.endc
```

```
.end
```

