// Library name: lab3\_boyz\_dnoronha

// Cell name: part2\_circuit

// View name: schematic

subckt part2\_circuit a b c d e f y

P5 (y d net33 vdd!) ami06P w=6u l=600n as=9e-12 ad=9e-12 ps=15.0u \

pd=15.0u m=1 region=sat

P4 (y c net33 vdd!) ami06P w=6u l=600n as=9e-12 ad=9e-12 ps=15.0u \

pd=15.0u m=1 region=sat

P3 (net33 f vdd! vdd!) ami06P w=6u l=600n as=9e-12 ad=9e-12 ps=15.0u \

pd=15.0u m=1 region=sat

P2 (net33 e vdd! vdd!) ami06P w=6u l=600n as=9e-12 ad=9e-12 ps=15.0u \

pd=15.0u m=1 region=sat

P1 (y b net37 vdd!) ami06P w=6u l=600n as=9e-12 ad=9e-12 ps=15.0u \

pd=15.0u m=1 region=sat

P0 (net37 a vdd! vdd!) ami06P w=6u l=600n as=9e-12 ad=9e-12 ps=15.0u \

pd=15.0u m=1 region=sat

N5 (net35 e 0 0) ami06N w=4.5u l=600n as=6.75e-12 ad=6.75e-12 ps=12.0u \

pd=12.0u m=1 region=sat

N4 (net36 c 0 0) ami06N w=4.5u l=600n as=6.75e-12 ad=6.75e-12 ps=12.0u \

pd=12.0u m=1 region=sat

N3 (net27 f net35 0) ami06N w=4.5u l=600n as=6.75e-12 ad=6.75e-12 \

ps=12.0u pd=12.0u m=1 region=sat

N2 (net27 d net36 0) ami06N w=4.5u l=600n as=6.75e-12 ad=6.75e-12 \

ps=12.0u pd=12.0u m=1 region=sat

N1 (y b net27 0) ami06N w=4.5u l=600n as=6.75e-12 ad=6.75e-12 ps=12.0u \

pd=12.0u m=1 region=sat

N0 (y a net27 0) ami06N w=4.5u l=600n as=6.75e-12 ad=6.75e-12 ps=12.0u \

pd=12.0u m=1 region=sat

V1 (0 0) vsource type=dc dc=0

V0 (vdd! 0) vsource type=dc dc=5

ends part2\_circuit

// End of subcircuit definition.

// Library name: lab3\_boyz\_dnoronha

// Cell name: sim\_part2\_circuit

// View name: schematic

I0 (A B C D E F Y) part2\_circuit

V5 (A 0) vsource type=pulse val0=0 val1=5 period=1u delay=10n rise=2.5n \

fall=2.5n width=497.5n

V4 (B 0) vsource type=pulse val0=0 val1=5 period=2u delay=12.5n rise=2.5n \

fall=2.5n width=997.5n

V3 (C 0) vsource type=pulse val0=0 val1=5 period=4u delay=12.5n rise=2.5n \

fall=2.5n width=1.9975u

V2 (D 0) vsource type=pulse val0=0 val1=5 period=8u delay=12.5n rise=2.5n \

fall=2.5n width=3.9975u

V1 (E 0) vsource type=pulse val0=0 val1=5 period=16u delay=10n rise=2.5n \

fall=2.5n width=7.9975u

V0 (F 0) vsource type=pulse val0=0 val1=5 period=32u delay=10n rise=2.5n \

fall=2.5n width=15.9975u