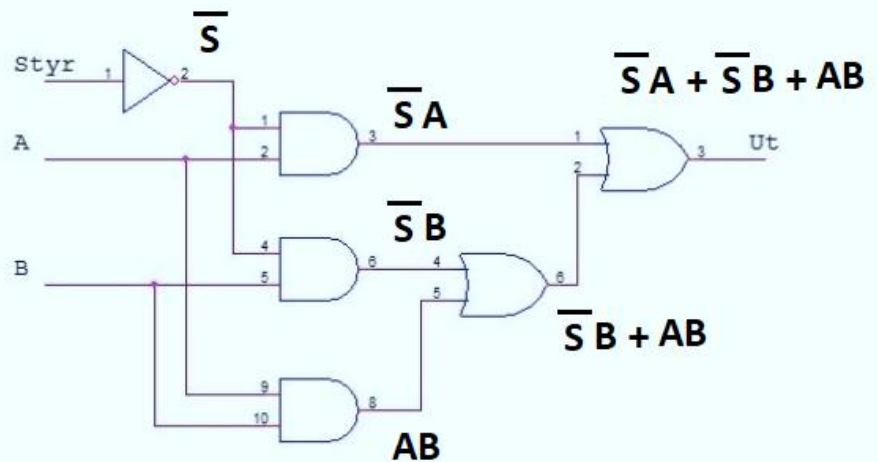


LAB 1

Grundkursnivå 1

	Styr	A	B	UT
OR	0	0	0	0
	0	0	1	1
	0	1	0	1
	0	1	1	1
AND	1	0	0	0
	1	0	1	0
	1	1	0	0
	1	1	1	1



detta nät fungerar som OR- eller AND-grind.

När Styr=0, nät fungerar som OR-grind, men när Styr=1, nät fungerar som AND-grind.

LAB 1

Grundkursnivå 2

S1	S2	S3	D1	D0
0	0	0	0	1
0	0	1	0	1
0	1	0	0	1
0	1	1	0	1
1	0	0	1	0
1	0	1	1	0
1	1	0	1	1
1	1	1	0	0

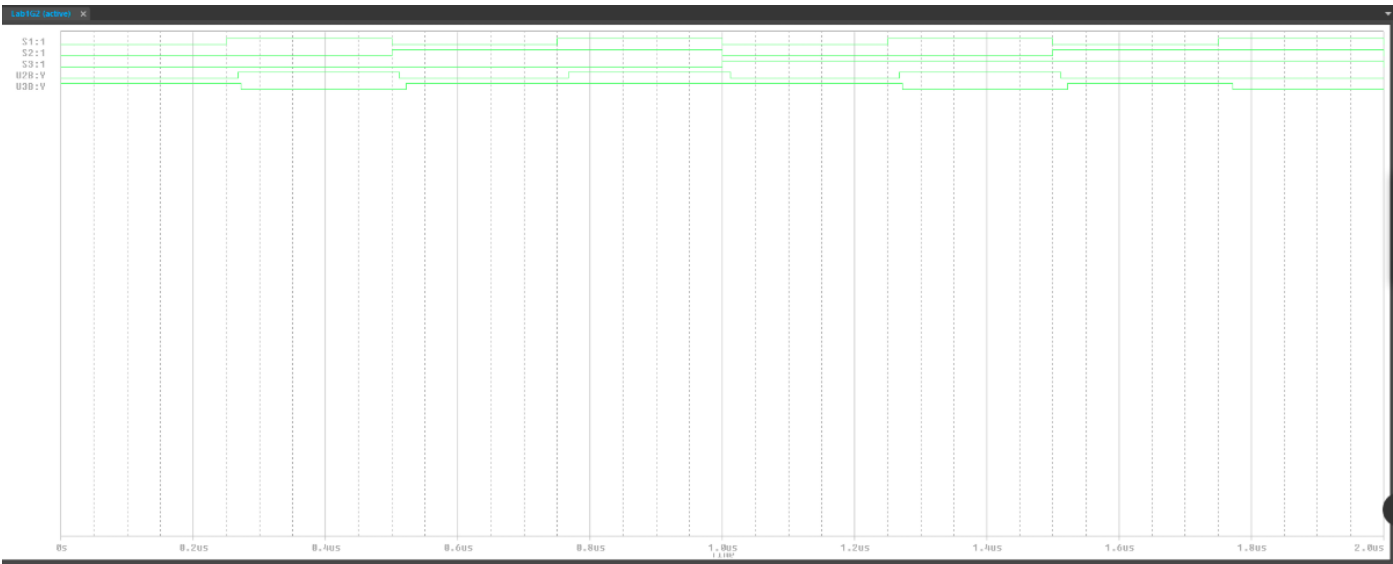
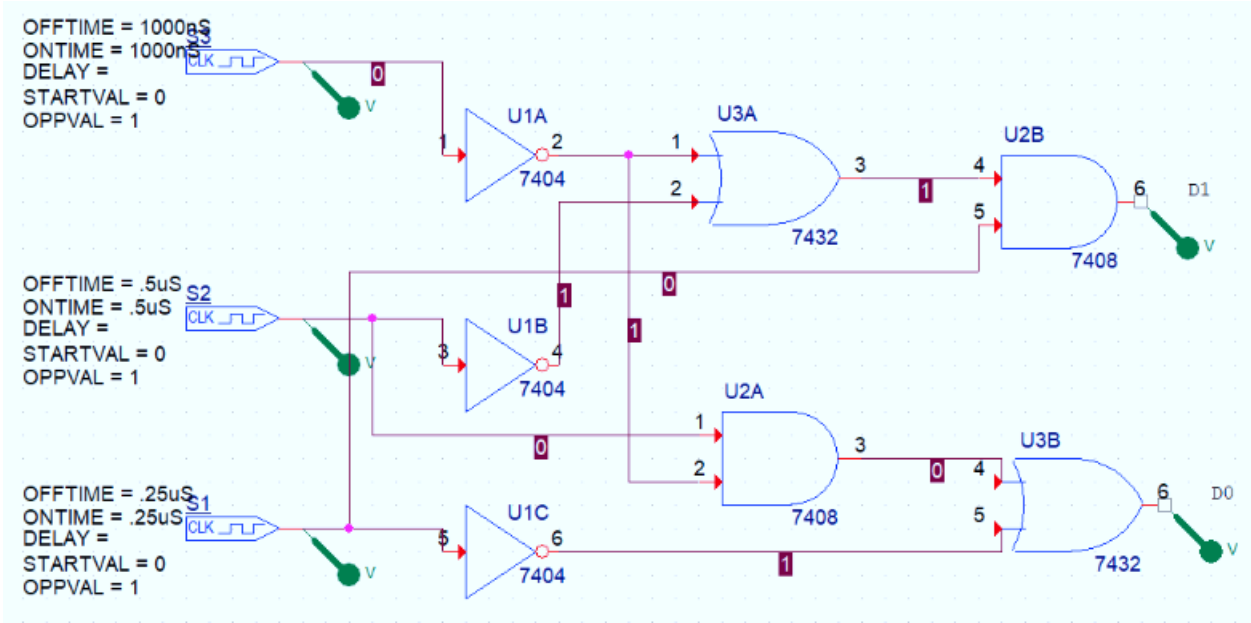
S1/S2	S3	00	01	11	10
0		0	0	0	0
1		1	1	0	1

$$D1 = S1 \overline{S3} + S1 \overline{S2} \\ = S1 (\overline{S3} + \overline{S2})$$

S1/S2	S3	00	01	11	10
0		1	1	1	1
1		0	0	0	1

$$D0 = \overline{S1} + S2 \overline{S3}$$

(Run to time 2000ns: On/Off time, S3=1000ns, S2=500ns, S1=250ns)



(Run to time 200ns: On/Off time, S3=100ns, S2=50ns, S1=25ns)

