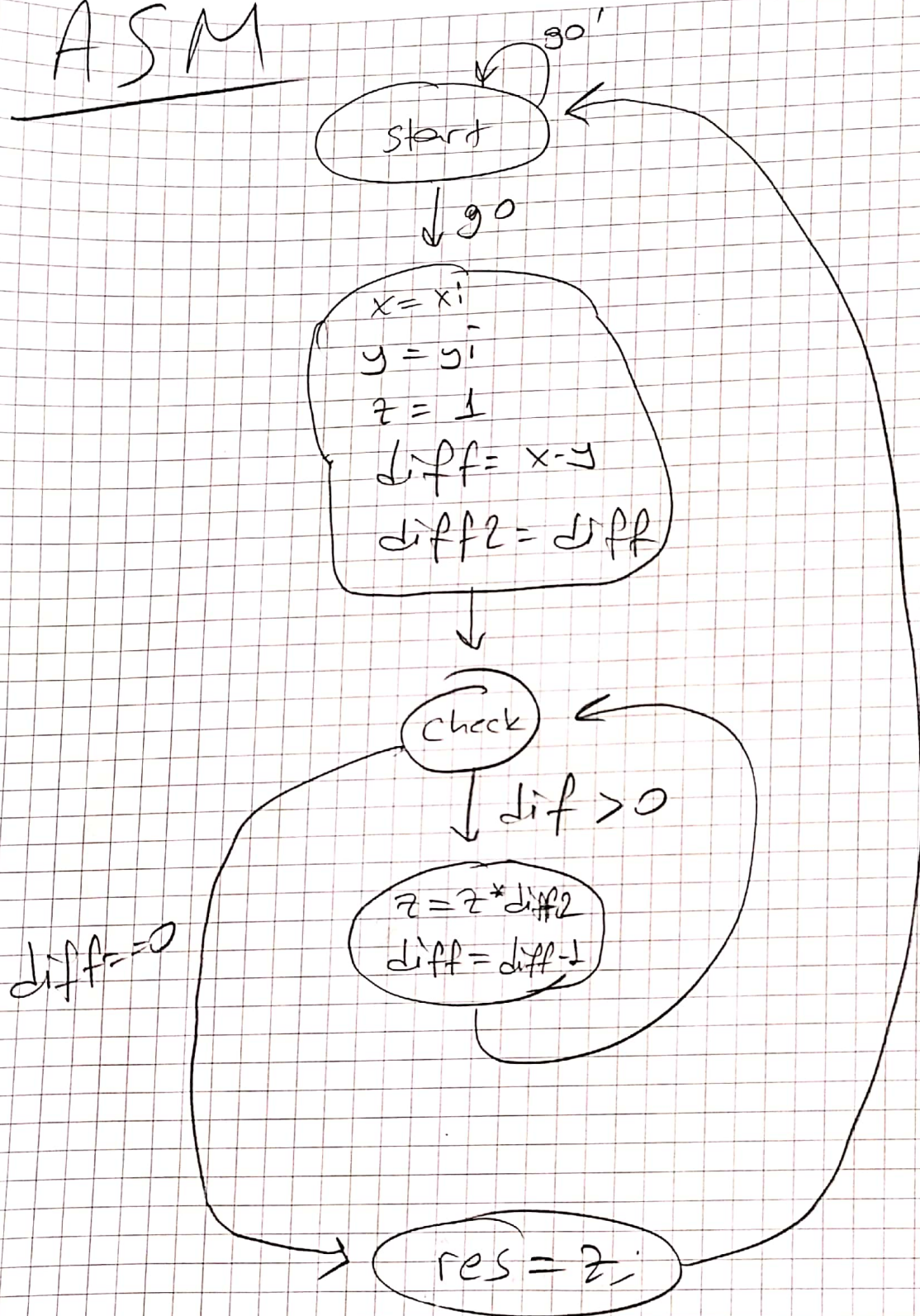
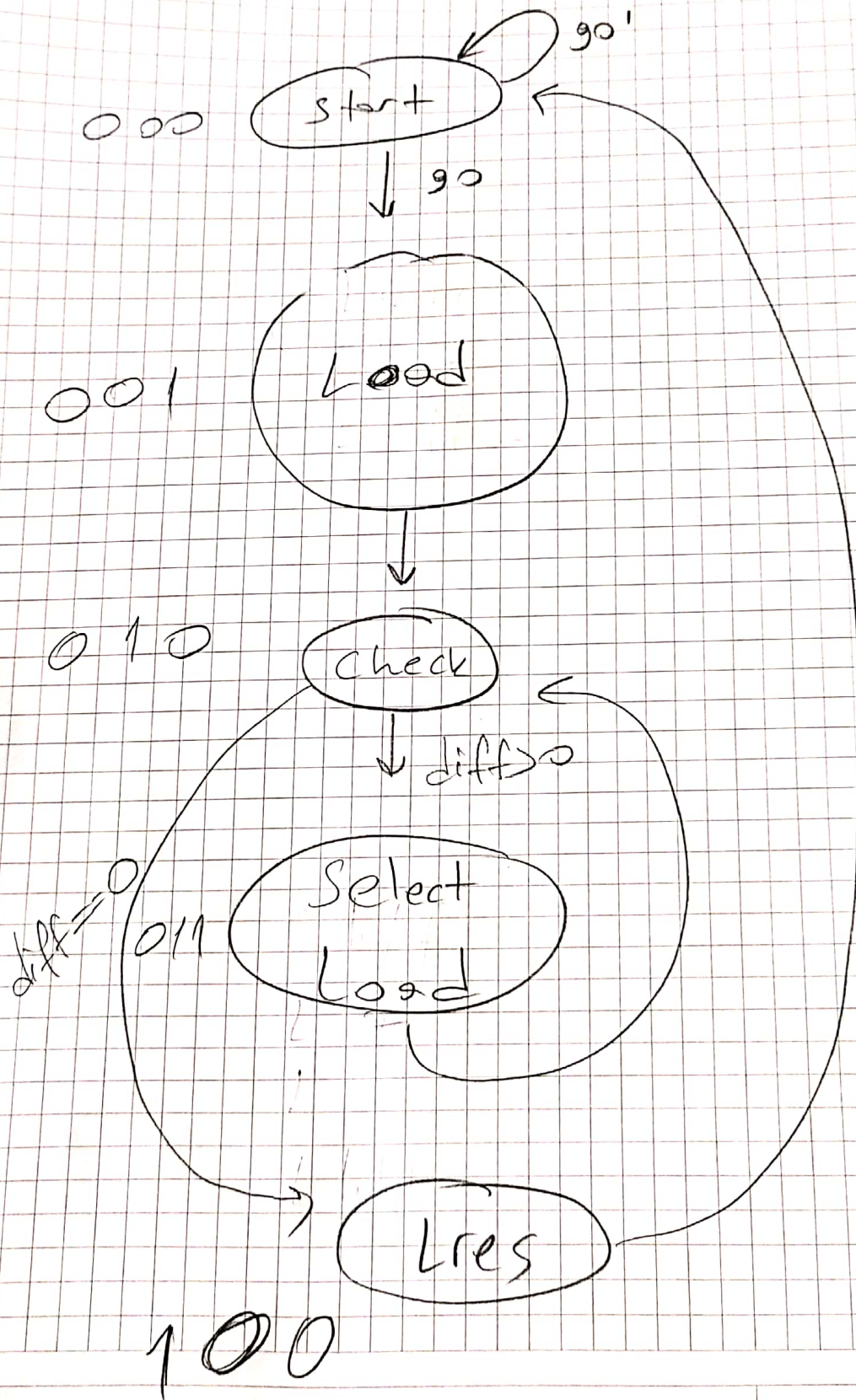


# ASM





# STATE Diagram



Table

s2	s1	s0	g0	less	eq	big	Lead	select	ires	n2	n1	n0
0	0	0	0	x	x	x	0	0	0	0	0	0
0	0	0	1	x	x	x	0	0	0	0	0	1
0	0	1	x	x	x	x	1	0	0	0	1	0
0	1	0	x	x	1	x	0	0	0	1	0	0
0	1	0	x	x	x	1	0	0	0	0	1	1
0	1	1	x	x	x	x	1	1	0	0	1	0
1	0	0	x	x	x	x	0	0	1	0	0	0
<del>0</del>	<del>1</del>	<del>0</del>	<del>x</del>	<del>1</del>	<del>x</del>	<del>x</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>1</del>	<del>0</del>	<del>0</del>



## Expressions

$$\text{Load} = s_2' s_1' s_0 + s_2' s_1 s_0 = s_2' s_0 (s_1' + s_1)$$

$= s_2' s_0$

$$\text{select} = s_2' s_1 s_0$$

$$\text{Lres} = s_2 s_1' s_0'$$

$$n_2 = s_2' s_1 s_0' \text{eq}$$

$s_0 \text{ delete}$

$$n_1 = s_2' s_0 + s_2' s_1 s_0' \text{big}$$

$$n_0 = s_2' s_1' s_0' g_0 + s_2' s_1 s_0' \text{big}$$