



S_2	S_1	S_0	n_2	n_1	n_0	go	gt	eq	lt
0	0	0	0	0	1	x	x	x	x
0	0	0	0	0	0	0	x	x	x
0	0	1	0	1	0	x	x	x	x
0	1	0	0	1	1	x	x	x	x
0	1	1	1	0	0	x	x	x	x
1	0	0	1	0	1	x	1	x	x
1	0	1	1	1	0	x	x	x	x
1	1	0	1	0	0	x	x	x	x
1	0	0	0	0	0	x	0	x	x

$$n_2 = S_2' S_1 S_0 + S_2 S_1' S_0' gt + S_2 S_1' S_0 + S_2 S_1 S_0'$$

$$n_2 = S_2' S_1 S_0 + S_2 S_1' S_0 + S_2 S_0' (S_1 + S_1' gt)$$

$$n_2 = S_2' S_1 S_0 + S_2 S_1' S_0 + S_2 S_0' (S_1 + S_1' gt)$$

$$n_1 = S_2' S_1' S_0 + S_2' S_1 S_0' + S_2 S_1' S_0$$

$$n_1 = S_1' S_0 + S_2' S_1 S_0'$$

$$n_0 = S_2' S_1' S_0' . go + S_2' S_1 S_0' + S_2 S_1' S_0' gt$$

001
010
101