x = 12

Truth table:

	PS.	NS.	Require ment
	73727170.	X=0.	T3 T2 T1 To
	0000	0001.00	0001
	0001.	00 10 10	0011
	0010	0011.3-	0001.
	0011.	01009	-0111
	0 1 0 0	0101.0-	-0001
	0 1 0 1	0 110 6 _	-0011.
5	- + 0	01110 -	-0001.
1 0 0 0 0 1 1 0 1 0		1000 5	-1111
		1010.00 _	0001
		1011.00_	0001
1.	0.1. 1.	1100.00	1660
1	100	0 00000	0011

3.

