Time														
		9 sec	18 sec	27 sec	36 sec	45 sec	54 sec	63 sec	72 sec	81 sec	90 sec	99 sec	108 sec	117 sec	126 sec

clk

ex_increase

ex_decrease

reset

init[4:0] 10 11 12 13 14 15 14 13 12 11 10 0F 0E 0D 0C 0B 10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 10 0F 0E 0D 0C 0B 0A 09 08 07 06 05 04 03 02 10