

INPUTS		PRESENT STATE		NEXT STATE		OUTPUTS				
XR > 0	XR ≥ YR	D ₁	D ₀	D ₁ ⁺	D ₀ ⁺	SUBTRACT	SWAP	SELECT XY	LOAD XR	LOAD YR
0	X	0	0	1	1	0	0	1	1	1
0	X	0	1	1	0	0	1	0	1	1
0	X	1	0	1	1	1	0	0	1	0
0	X	1	1	1	1	0	0	0	0	0
1	0	0	0	0	1	0	0	1	1	1
1	0	0	1	1	0	0	1	0	1	1
1	0	1	0	0	1	1	0	0	1	0
1	0	1	1	1	1	0	0	0	0	0
1	1	0	0	1	0	0	0	1	1	1
1	1	0	1	1	0	0	1	0	1	1
1	1	1	0	1	0	1	0	0	1	0
1	1	1	1	1	1	0	0	0	0	0

X represents 0 or 1