Part 1

reset_n is synchronous active low.

Part 2

	Op	R_x	R_c	R_A	R_B	R_R
	NA	X	C	A	B	
1	Mul R_x, R_B, R_B				Bx	
2	Add R_B R_A, R_A			A+Bx		
3	Mul R_x, R_x, R_B				X^2	
4	Mul R_c, R_B, R_B				Cx^2	
5	Add R_A R_B R_A			A+Bx+Cx^2		
6	Mv R_A R_R					A+Bx+Cx^2