Lab 6

Step	Operation	In R1	In R2	R1mul	R1en	R2mul	R2en	InSel	ASel	BSel	Done?	NextStep
0	$R1 = X$	X	?	0	1	x	0	00	11	00	0	1
1	$R2 = R1 \times B$	X	BX	x	0	1	1	10	01	11	0	2
2	$R1 = R1 \times R1$	X^2	BX	1	1	x	0	xx	01	01	0	3
3	$R1 = R1 \times A$	AX^2	BX	1	1	x	0	01	11	01	0	4
4	$R2 = R2 + R1$	AX^2	$AX^2 + BX$	x	0	0	1	xx	01	10	0	5
5	$R2 = R2 + C$	AX^2	$AX^2 + BX + C$	x	0	0	1	11	11	10	0	6
6	$R2 = R1$	$AX^2 + BC + C$	$AX^2 + BX + C$	0	1	x	0	xx	10	00	0	7
7	hold	$AX^2 + BC + C$	$AX^2 + BC + C$	x	0	x	0	xx	xx	xx	1	7