Pipeline Stage / FU →

Time ↓

Time	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Signed Adder	Adder	Comperator
0	X*X																				
1	Y*Y	X*X																			
2	X*Y	Y*Y	X*X																		
3	X*X	X*Y	Y*Y	X*X																	
4	Y*Y	X*X	X*Y	Y*Y	X*X																
5	X*Y	Y*Y	X*X	X*Y	Y*Y	X*X															
6	X*X	X*Y	Y*Y	X*X	X*Y	Y*Y	X*X														
7	Y*Y		X*Y	Y*Y	X*X	X*Y	Y*Y	X*X													
8	X*Y			X*Y	Y*Y	X*X	X*Y	Y*Y	X*X												
9	X*X				X*Y	Y*Y	X*X	X*Y	Y*Y	X*X											
10	Y*Y					X*Y	Y*Y	X*X	X*Y	Y*Y	X*X										
11	X*Y						X*Y	Y*Y	X*X	X*Y	Y*Y	X*X									
12	X*X							X*Y	Y*Y	X*X	X*Y	Y*Y	X*X								
13	Y*Y								X*Y	Y*Y	X*X	X*Y	Y*Y	X*X							
14	X*Y									X*Y	Y*Y	X*X	X*Y	Y*Y	X*X						
15	X*X										X*Y	Y*Y	X*X	X*Y	Y*Y	X*X					
16	Y*Y											X*Y	Y*Y	X*X	X*Y	Y*Y	X*X				
17	X*Y												X*Y	Y*Y	X*X	X*Y	Y*Y	X*X			
18	X*X													X*Y	Y*Y	X*X	X*Y	Y*Y	i+=1		
19	Y*Y														X*Y	Y*Y	X*X	X*Y	$X'=X^2-Y^2$	$|Z|=X^2+Y^2$	i>max
20	X*Y															X*Y	Y*Y	X*X	$Y'+=Cy$	$X'+=Cx$	$|z|>4$
	X'*X'																X*Y	Y*Y	i+=1		
	Y'*Y'																	X*Y	$X'=X^2-Y^2$	$|Z|=X^2+Y^2$	i>max
	X'*Y'																		$Y'+=Cy$	$X'+=Cx$	$|z|>4$