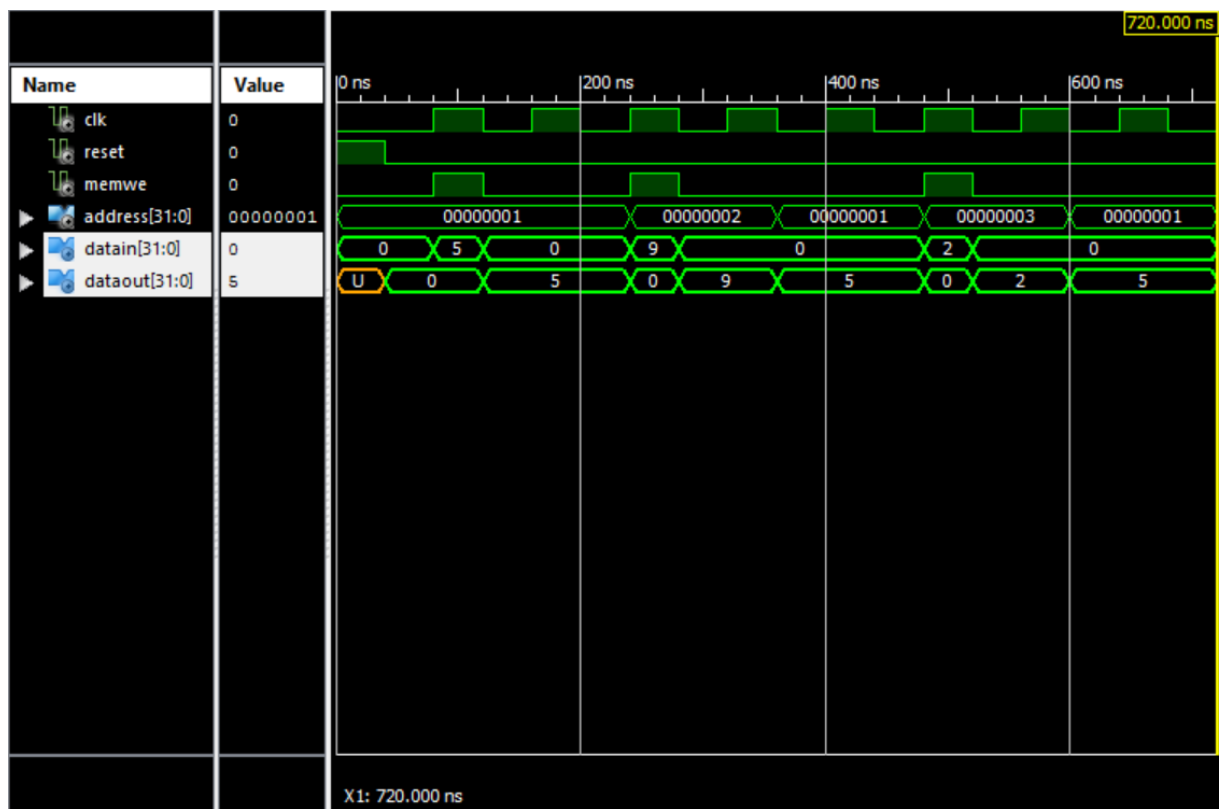Robin Andersson 961102-5439 roband-5
Linus Arvidsson   950427-4490 linarv-4
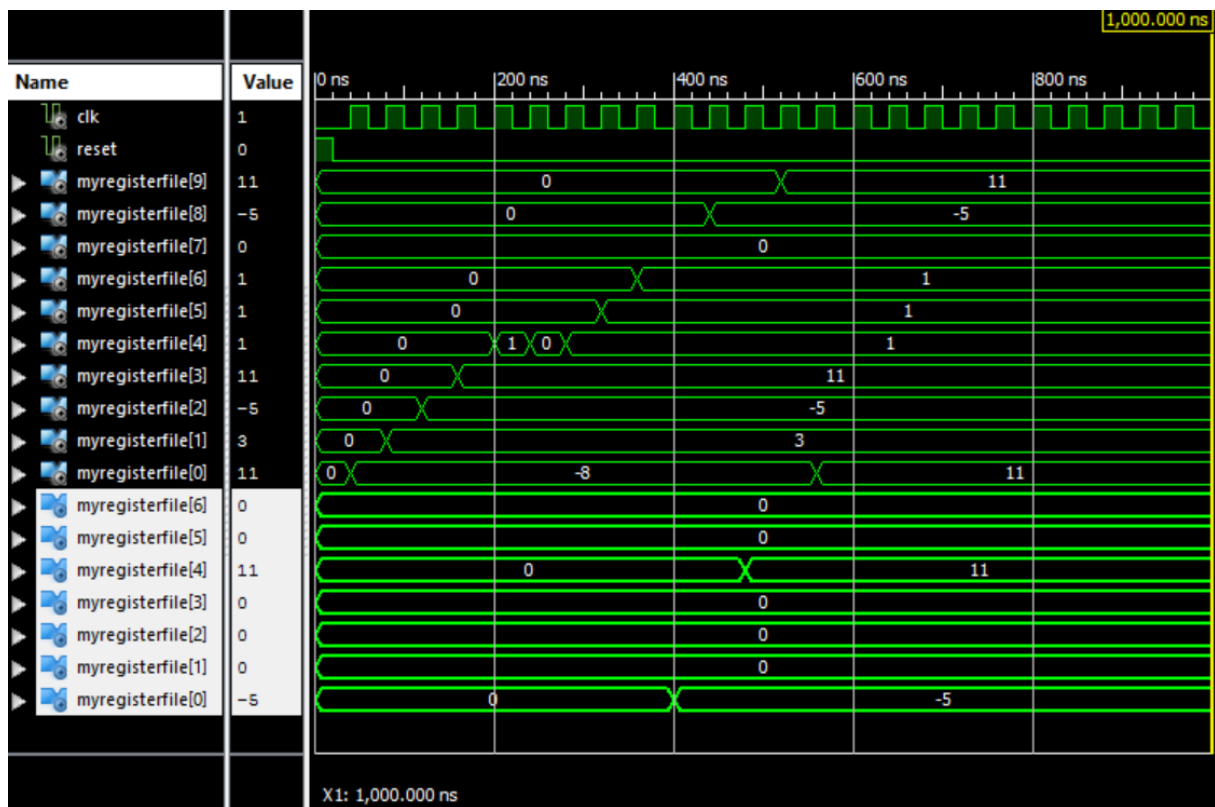
Lab 5

D0011E

Part 1

Part 2

The marked registers are the ones in the data memory and the other registers are the registers in the register file.

Part 3

Where r8 and r9 contains the numbers to be multiplied and r10 contains the result of the multiplication.

Part 4

Name	Value	0 us	5 us	10 us
clk	1			
reset	0			
myregisterfile[6]	8	8		
myregisterfile[1]	40320	0 · 1 · 2 · 6 · 24 · 120 · 720 · 5040 · 40320		

X1: 11.820000 us

Where r6 contains the number and r1 contains the factorial of that number.