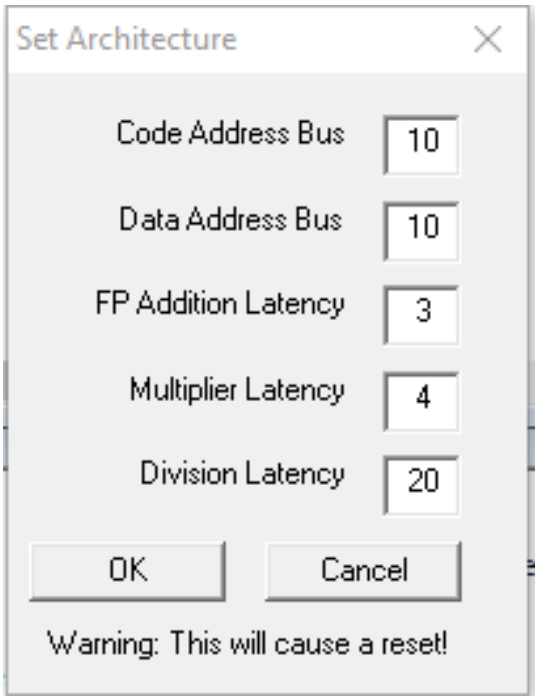
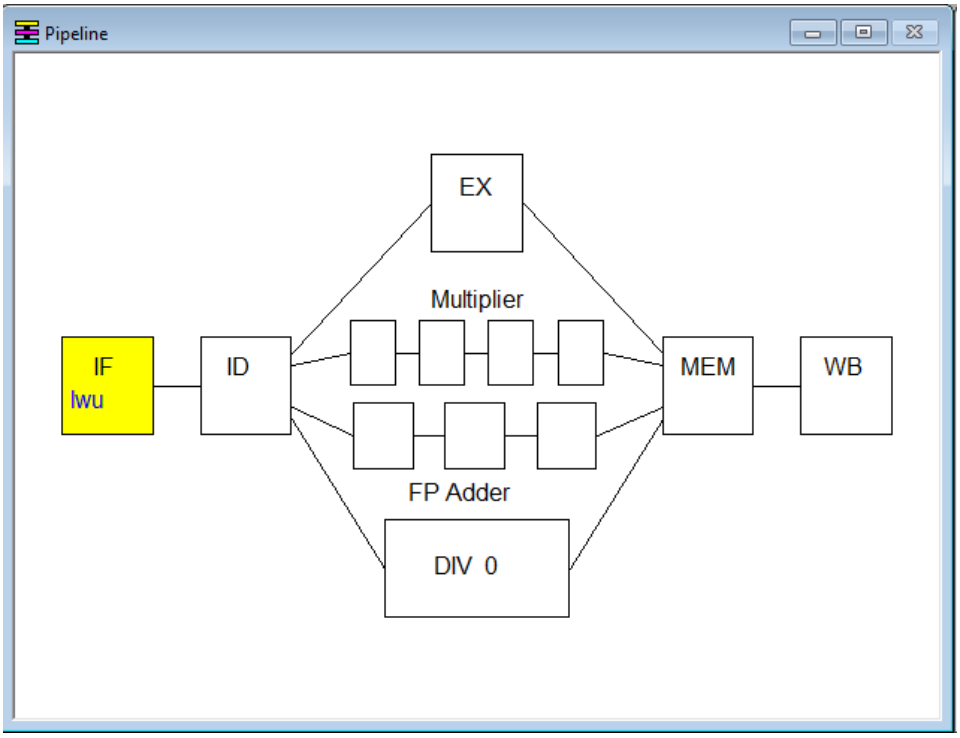
P1 & P2 Reports

by Keegan Goecke

All test were ran with the following configurations, as well as forwarding enabled:



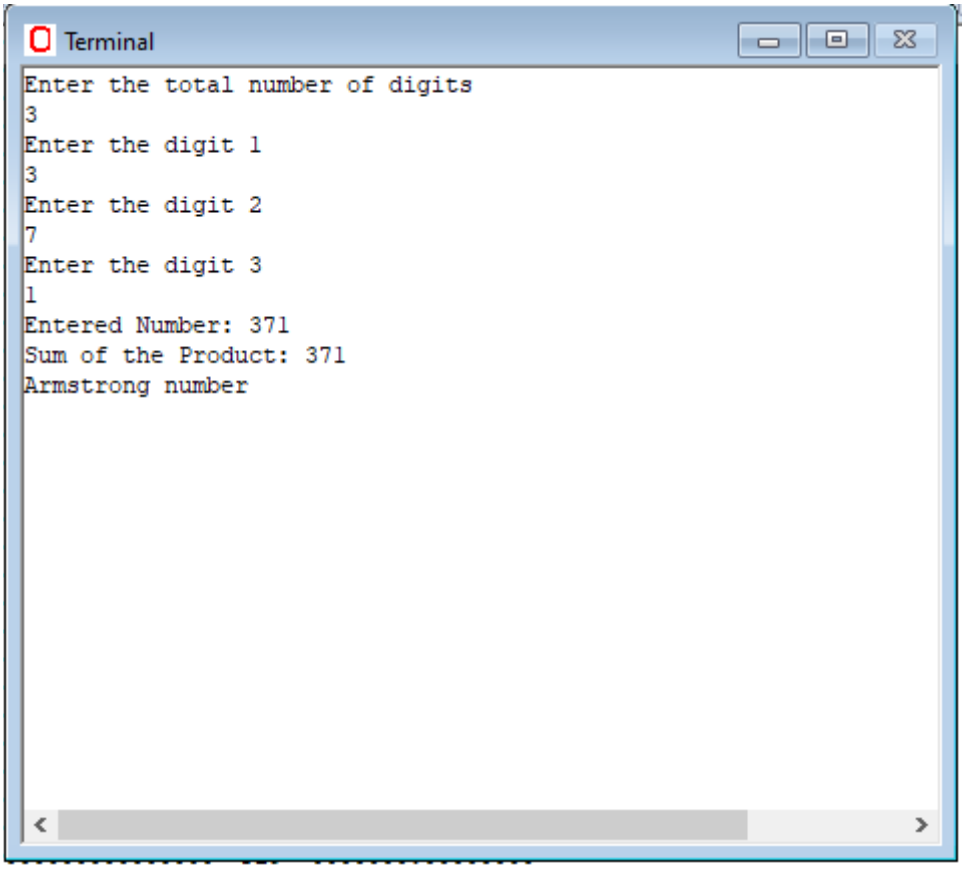


Problem 1:

Test 1:

Input: 371

Results:



Execution Stats	
Number of Cycles	155 Cycles
Number of Instructions	117 Instructions
Cycles Per Instruction (CPI)	1.325

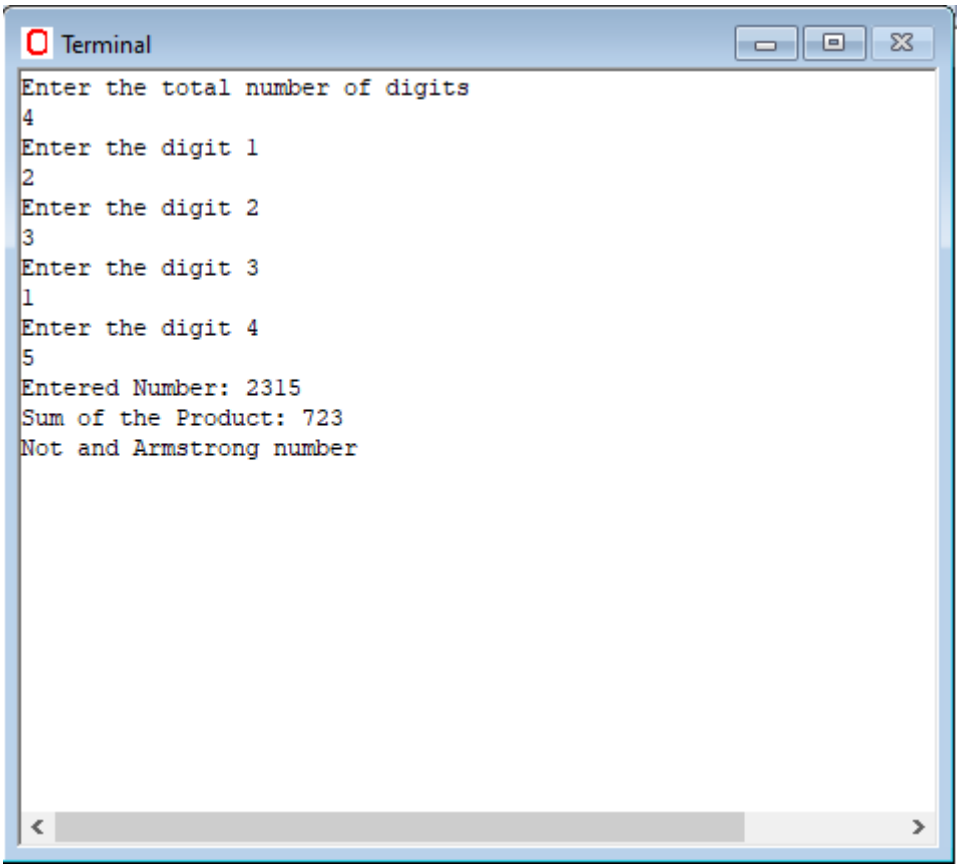
Stalls	
RAW	19
WAW	0
WAR	0
Structural	12
Branch Taken	9
Branch Misprediction	0

Code size: 240 Bytes

Test 2:

Input: 1234

Results:



Execution Stats	
Number of Cycles	215 Cycles
Number of Instructions	158 Instructions
Cycles Per Instruction (CPI)	1.361

Stalls	
RAW	29
WAW	0
WAR	0
Structural	20
Branch Taken	16
Branch Misprediction	0

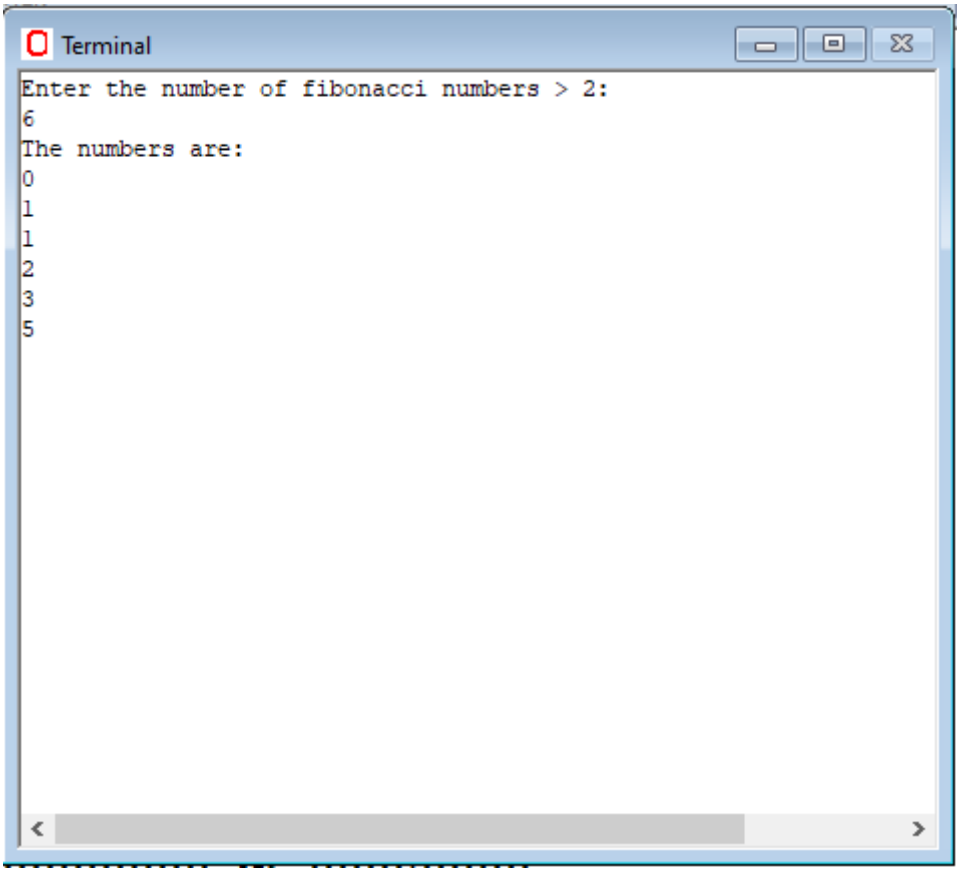
Code Size: 240 Bytes

Problem 2:

Test1:

Input: 6

Results:



Execution Stats	
Number of Cycles	69 Cycles
Number of Instructions	58 Instructions
Cycles Per Instruction (CPI)	1.190

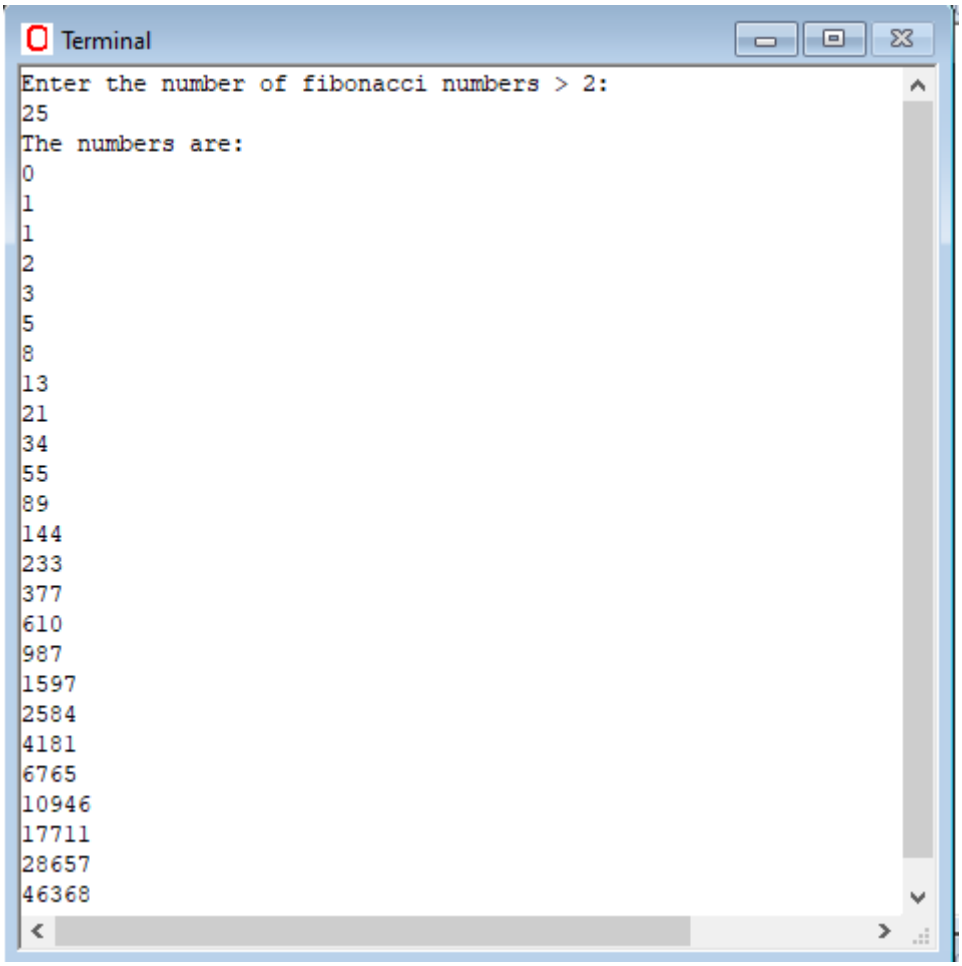
Stalls	
RAW	1
WAW	0
WAR	0
Structural	0
Branch Taken	6
Branch Misprediction	0

Code Size: 148 Bytes

Test 2:

Input: 25

Results:



Execution Stats	
Number of Cycles	240 Cycles
Number of Instructions	210 Instructions
Cycles Per Instruction (CPI)	1.143

Stalls	
RAW	1
WAW	0
WAR	0
Structural	0
Branch Taken	25
Branch Misprediction	0

Code Size: 148 Bytes