

Report Assignment 4

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The table below shows the number of instructions, number of cycles for the program, CPI, Branch taken, Number of stalls and Number of wrong instructions in pipeline.

Program Name	Number Of Instructions	Number of Cycles
Descending	277	626
Even-odd	6	21
Fibonacci	78	150
Palindrome	49	140
Prime	29	82

Program Name	CPI	Number of branch taken
Descending	2.26	88
Even-odd	3.5	0
Fibonacci	1.92	16
Palindrome	2.85	7
Prime	2.82	5

Program Name	Number of Stalls	Number of Wrong instructions entering pipeline
Descending	127	176
Even-odd	9	0
Fibonacci	34	32
Palindrome	71	14
Prime	23	10