Assignment-5 Report

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Object Files	No.of dynamic Instructions Executed	Number of Cycles	IPC
Descending.out	365	15221	0.02398002759
Even-odd.out	6	254	0.02362204724
Fibonacci.out	94	3861	0.02434602435
Palindrome.out	56	2335	0.02398286938
Prime.out	34	1405	0.02419928826

Observations

We observed that IPC of all the benchmark programs is between 0.023 and 0.025. It reasonable because each instruction fetching itself has 40 cycles delay.

If we have more store,load operations we can expect much less IPC.