

Computer Architecture

Lab 5 Report

By

Balsher Singh (180010008)

Karan Sharma (180010019)

Mrinal Rana (180020024)

<u>Program</u>	<u>No. of Instruction</u>	<u>No. of Cycles</u>	<u>CPI</u>
Evenodd	6	246	41.0
Descending	329	13196	40.10942
Fibonacci	86	3464	40.279068
Palindrome	56	2274	40.607143
Prime	30	1218	40.6

- CPI of all the benchmark programs nearly 40.
- Programs which have a lot of data hazards and control hazards take more no. of iterations have lot of cycles.
- However, CPI for all of them is about 40 which shows that the Main Memory Latency Is about 40.