Computer Architecture Lab
Assignment 5

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Name of the file	No. of Instructions	No. of Cycles	CPI
descending.asm	329	13196	40.10942
evenorodd.asm	6	246	41.0
fibonacci.asm	86	3464	40.279068
prime.asm	30	1218	40.6
palindrome.asm	56	2274	40.607143

- CPI of all benchmark programs nearly 40.

- Programs that require more iterations and cycles are those with a lot of data and control hazards.

- However, the CPI for each of them indicates that the main memory latency is approximately 40.