COL216 Assignment 1

Ankush Phulia
2014CS50279

20 January 2016

1 Space occupied by the program

The space occupied by the program in terms of the number of instructions is **33** instructions × **32** bits.

2 Space Used for data in terms of number of words

The program being of size 33 instructions occupies **memory locations of word size 32 bits** starting from memory address **0x00000000 to 0x00000088**. The data output for n Hardy-Ramanujan Numbers starts from memory address 0x00001000 and occupies **n memory locations of word size 32**.

3 Execution time of the program (in terms of number of instructions executes)

The code was run for the below mentioned values of n:

n	No. of Instructions executed
1	658545
4	36070745
8	137143493

4 Execution time of the program (in hours/minutes/seconds)

The code was run for the below mentioned values of n:

n	Execution Time (mm:ss)
1	00:00:00.54
4	00:00:21
8	00:01:34