

Blue lines - Boolean Input Control Green lines - True Input/Output line Red lines - False Input/Output line

Actor: Compare (data < val, data == val) has two input lines input[0] reads 'n' or 'val' from Input input[1] reads 'data to be compared' or 'data' from Fork3

Pipe in data for stdin from the **read.txt** file provided.

Change the number in the **read.txt** file to test for different values of **n**.

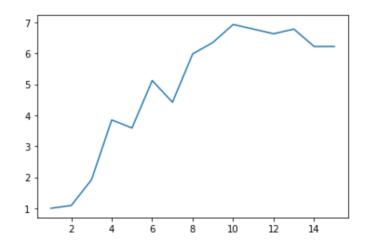
The above network has 15 actors. The following are the speedup results.

N = 200 Command used : cat read.txt | java Simulation.java (# of threads) > outfile.txt

# of threads	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Time (ms)	305	281	159	80	85	59	69	51	48	44	45	46	45	49	49

Relative Speedup over t = 1

Speedup



Number of threads