

Assignment 1

Problem No 1

Semester: 5

Group No 27

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Overflow started from  $x = 7$ . This is because  $7^{12} > 2^{32}-1$  which is the largest value we can store in a 32-bit register.

Value of x	Value of $e^x$	Number of iterations
1	2	2
2	6	4
3	18	7
4	50	9
5	143	12
6	387	13
7	1035	13
8	2429	11
9	4565	13
10	10500	13