

PartA.cpp Output:

Starting with 19 it took 20 steps; The highest number achieved was 88

Starting with 837 it took 41 steps; The highest number achieved was 2512

Starting with 799 it took 72 steps; The highest number achieved was 12148

Starting with 75 it took 14 steps; The highest number achieved was 340

Starting with 128 it took 7 steps; The highest number achieved was 128

Starting with 138 it took 15 steps; The highest number achieved was 208

Starting with 247 it took 47 steps; The highest number achieved was 1672

Starting with 942 it took 129 steps; The highest number achieved was 9232

Starting with 488 it took 22 steps; The highest number achieved was 488

Starting with 749 it took 46 steps; The highest number achieved was 2248

Starting with 153 it took 36 steps; The highest number achieved was 520