SOP optimization with simulate annealing

**Q1**

* Approach:

As the code output shows for any “hello” word need to come “world” in follow

* Command

g++ -IC:/MinGW/include/ -pg q1.c -lpthread -o q1.exe

n = 10000000 , threads = 2

pi (serial) = 3.141593 27000 microsecond

pi (parallel) = 3.141593 14000 microsecond

speed up : 1.93