Utilize semaphores instead of mutexes in your solution to problem 2a.

System: Intel(R) Xeon(R) CPU E5-2680 v4 @ 2.40GHz

CPUs: 28

Sockets: 2

Cores per socket: 14

Threads per core: 1

Number of darts: 1, 000, 000, 0

Number of threads: 28

Result:

