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CSC478-01

Homework 8

I noticed that I had to run:

LD\_LIBRARY\_PATH=/usr/local/lib

export LD\_LIBRARY\_PATH

Each time I wanted to run it on grendel. It seem the environmental variables are not set/shared…

n=100,000 head= 0.053945 grendel=0.006040

n=500,000 head= 0.319964 grendel=0.030874

n=1,000,000 head= 0.624787 grendel=0.060242

n=10,000,000 head= 6.436428 grendel=0.642792

n=100,000,000 head=65.454269 grendel= 6.974593

Determine how well they perform absolutely

and in a relative sense.

Are you able to achieve a speedup with the given limitations of the

machines? Consider cases that include timing measurements for

situations with and without communication overhead.

What does the timing information tell you about the amount of communication overhead for this particular program?