--------------------------------------------------------------------------

[[6848,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 0.183821ms

[ubuntu:06291] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06291] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6863,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 0.416040ms

[ubuntu:06300] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06300] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6902,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 0.864983ms

[ubuntu:06309] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06309] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6909,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 1.723051ms

[ubuntu:06318] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06318] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6884,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 2.469063ms

[ubuntu:06327] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06327] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6803,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 16.812086ms

[ubuntu:06336] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06336] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6815,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 39.438963ms

[ubuntu:06348] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06348] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6790,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 92.915058ms

[ubuntu:06357] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06357] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6797,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 118.557930ms

[ubuntu:06366] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06366] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6836,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 354.771852ms

[ubuntu:06375] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06375] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6819,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 628.877878ms

[ubuntu:06384] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06384] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6831,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 1768.270016ms

[ubuntu:06396] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06396] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7003,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 4424.596786ms

[ubuntu:06408] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06408] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6980,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

[ubuntu:06423] 1 more process has sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06423] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 2

runTime is: 6674.049139ms

--------------------------------------------------------------------------

mpirun noticed that process rank 1 with PID 6498 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

mpirun noticed that process rank 1 with PID 6505 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[6973,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 0.177860ms

[ubuntu:06510] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06510] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6958,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 0.371933ms

[ubuntu:06525] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06525] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7135,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 0.768900ms

[ubuntu:06540] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06540] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7112,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 1.261950ms

[ubuntu:06555] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06555] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7161,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 2.002001ms

[ubuntu:06570] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06570] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7146,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 8.023024ms

[ubuntu:06585] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06585] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7067,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 23.536921ms

[ubuntu:06600] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06600] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7049,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 49.445868ms

[ubuntu:06618] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06618] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7098,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 49.600124ms

[ubuntu:06633] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06633] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7083,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 251.857996ms

[ubuntu:06648] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06648] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6228,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 421.775103ms

[ubuntu:06663] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06663] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6213,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 1020.764112ms

[ubuntu:06678] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06678] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6267,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 2610.487938ms

[ubuntu:06696] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06696] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6248,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 4

runTime is: 3680.532932ms

[ubuntu:06715] 3 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06715] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 0 with PID 6741 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

mpirun noticed that process rank 2 with PID 6754 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[6201,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 0.357866ms

[ubuntu:06762] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06762] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6188,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 0.464916ms

[ubuntu:06783] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06783] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6343,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 0.723124ms

[ubuntu:06804] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06804] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6394,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 1.108170ms

[ubuntu:06825] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06825] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6381,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 1.930952ms

[ubuntu:06846] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06846] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6272,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 6.764889ms

[ubuntu:06867] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06867] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6331,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 14.734983ms

[ubuntu:06888] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06888] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6483,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 35.478830ms

[ubuntu:06912] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06912] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6470,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 48.116922ms

[ubuntu:06933] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06933] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6521,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 143.587112ms

[ubuntu:06954] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06954] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6508,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 404.907227ms

[ubuntu:06975] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06975] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6407,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 693.813801ms

[ubuntu:06996] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:06996] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6463,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 1654.238224ms

[ubuntu:07020] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07020] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6615,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 6

runTime is: 2629.410982ms

[ubuntu:07044] 5 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07044] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 4 with PID 7076 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

mpirun noticed that process rank 0 with PID 7085 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[6632,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 0.299931ms

[ubuntu:07099] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07099] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6538,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 0.424862ms

[ubuntu:07129] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07129] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[6567,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 0.747919ms

[ubuntu:07156] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07156] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7772,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 1.330853ms

[ubuntu:07183] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07183] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7801,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 1.654148ms

[ubuntu:07210] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07210] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7701,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 7.515907ms

[ubuntu:07238] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07238] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7730,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 11.913061ms

[ubuntu:07265] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07265] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7727,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 30.663967ms

[ubuntu:07292] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07292] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7876,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 40.315866ms

[ubuntu:07319] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07319] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7910,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 132.318020ms

[ubuntu:07349] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07349] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7811,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 278.316021ms

[ubuntu:07376] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07376] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7864,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 681.095123ms

[ubuntu:07403] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07403] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8026,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 1412.621975ms

[ubuntu:07433] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07433] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8055,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 8

runTime is: 1934.340000ms

[ubuntu:07460] 7 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07460] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 1 with PID 7496 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

mpirun noticed that process rank 2 with PID 7516 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[7996,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 0.360012ms

[ubuntu:07535] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07535] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8091,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 0.580072ms

[ubuntu:07624] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07624] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8122,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 0.859976ms

[ubuntu:07657] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07657] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7263,1],5]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 1.315832ms

[ubuntu:07692] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07692] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7294,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 1.546860ms

[ubuntu:07725] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07725] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7197,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 6.567955ms

[ubuntu:07758] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07758] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7201,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 15.119076ms

[ubuntu:07794] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07794] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7360,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 31.013012ms

[ubuntu:07827] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07827] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7399,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

[[7399,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 39.077044ms

[ubuntu:07860] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07860] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7302,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 113.996983ms

[ubuntu:07893] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07893] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7333,1],7]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 208.952188ms

[ubuntu:07926] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07926] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7492,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 515.911102ms

[ubuntu:07959] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07959] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7528,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 1151.759863ms

[ubuntu:07995] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:07995] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7439,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 10

runTime is: 1731.775045ms

[ubuntu:08028] 9 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08028] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 2 with PID 8071 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

mpirun noticed that process rank 4 with PID 8098 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[7649,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 0.411034ms

[ubuntu:08114] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08114] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[7562,1],5]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 0.427008ms

[ubuntu:08153] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08153] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8787,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 0.631094ms

[ubuntu:08192] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08192] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8820,1],5]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 1.387835ms

[ubuntu:08231] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08231] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8733,1],4]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 1.415968ms

[ubuntu:08270] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08270] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8742,1],4]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 7.179976ms

[ubuntu:08309] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08309] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8946,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 15.143871ms

[ubuntu:08353] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08353] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8859,1],4]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 24.667978ms

[ubuntu:08392] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08392] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8892,1],8]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 32.069921ms

[ubuntu:08431] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08431] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9029,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 98.675013ms

[ubuntu:08470] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08470] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9070,1],3]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 223.155022ms

[ubuntu:08509] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08509] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9012,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 454.308033ms

[ubuntu:08551] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08551] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9181,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 913.010120ms

[ubuntu:08590] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08590] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9195,1],4]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 12

runTime is: 1486.870050ms

[ubuntu:08632] 11 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08632] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 2 with PID 8678 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

mpirun noticed that process rank 0 with PID 8703 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[8266,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 0.229836ms

[ubuntu:08729] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08729] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8213,1],9]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 0.460863ms

[ubuntu:08774] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08774] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8224,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 0.730991ms

[ubuntu:08819] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08819] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8435,1],9]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 1.055002ms

[ubuntu:08864] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08864] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8323,1],11]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 1.379967ms

[ubuntu:08912] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08912] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8366,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 7.185936ms

[ubuntu:08957] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:08957] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8569,1],9]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 12.958050ms

[ubuntu:09002] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09002] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8452,1],8]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 30.550003ms

[ubuntu:09047] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09047] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8663,1],8]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 34.181833ms

[ubuntu:09092] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09092] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8674,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 107.173920ms

[ubuntu:09137] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09137] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[8626,1],7]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 216.603994ms

[ubuntu:09185] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09185] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9821,1],6]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 442.605019ms

[ubuntu:09230] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09230] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9832,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 954.246044ms

[ubuntu:09275] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09275] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9784,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 14

runTime is: 1409.085035ms

[ubuntu:09323] 13 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09323] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 0 with PID 9373 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

mpirun noticed that process rank 0 with PID 9404 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[9865,1],12]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 0.521898ms

[ubuntu:09434] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09434] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10051,1],9]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 0.715017ms

[ubuntu:09488] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09488] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10000,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 0.677824ms

[ubuntu:09539] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09539] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10021,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 1.369953ms

[ubuntu:09590] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09590] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10234,1],7]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 1.658916ms

[ubuntu:09641] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09641] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10127,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 5.419970ms

[ubuntu:09692] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09692] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9281,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 14.506102ms

[ubuntu:09746] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09746] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9238,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 26.057005ms

[ubuntu:09797] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09797] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9259,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 34.848213ms

[ubuntu:09848] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09848] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9464,1],10]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 85.937977ms

[ubuntu:09899] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09899] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9357,1],9]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 148.990870ms

[ubuntu:09950] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:09950] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9543,1],8]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 434.764147ms

[ubuntu:10004] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10004] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9492,1],11]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 943.095922ms

[ubuntu:10055] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10055] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[9518,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 16

runTime is: 1349.732161ms

[ubuntu:10109] 15 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10109] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 2 with PID 10269 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

--------------------------------------------------------------------------

[[10862,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 0.260115ms

[ubuntu:10301] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10301] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10799,1],16]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 0.839949ms

[ubuntu:10364] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10364] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10984,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 0.821114ms

[ubuntu:10427] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10427] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10926,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 1.555920ms

[ubuntu:10493] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10493] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11119,1],8]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 1.763821ms

[ubuntu:10556] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10556] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11048,1],13]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 6.746054ms

[ubuntu:10619] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10619] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11241,1],12]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 13.731003ms

[ubuntu:10682] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10682] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11178,1],13]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 24.286985ms

[ubuntu:10745] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10745] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10344,1],17]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 34.461021ms

[ubuntu:10811] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10811] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10281,1],12]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 90.401173ms

[ubuntu:10874] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10874] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10474,1],11]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 156.235933ms

[ubuntu:10937] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:10937] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10411,1],11]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 335.413933ms

[ubuntu:11000] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11000] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10601,1],14]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 932.763100ms

[ubuntu:11066] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11066] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[10543,1],15]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 20

runTime is: 1249.767065ms

[ubuntu:11132] 19 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11132] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

mpirun noticed that process rank 3 with PID 11200 on node ubuntu exited on signal 11 (Segmentation fault).

--------------------------------------------------------------------------

2 total processes killed (some possibly by mpirun during cleanup)

--------------------------------------------------------------------------

[[11846,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 0.701189ms

[ubuntu:11285] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11285] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11824,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 17.749071ms

[ubuntu:11363] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11363] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[12002,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 1.258135ms

[ubuntu:11441] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11441] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[12113,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 17.095089ms

[ubuntu:11522] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11522] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[12035,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 1.968861ms

[ubuntu:11600] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11600] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[12237,1],20]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 5.970001ms

[ubuntu:11678] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11678] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[12223,1],2]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 11.887074ms

[ubuntu:11756] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11756] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11374,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 24.170160ms

[ubuntu:11837] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11837] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11480,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 31.816006ms

[ubuntu:11915] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11915] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11402,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 20000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 72.026968ms

[ubuntu:11993] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:11993] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11636,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 30000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 147.742987ms

[ubuntu:12071] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:12071] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11563,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 50000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 308.407068ms

[ubuntu:12152] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:12152] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[11669,1],1]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 80000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 696.011782ms

[ubuntu:12230] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:12230] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

--------------------------------------------------------------------------

[[12868,1],0]: A high-performance Open MPI point-to-point messaging module

was unable to find any relevant network interfaces:

Module: OpenFabrics (openib)

Host: ubuntu

Another transport will be used instead, although this may result in

lower performance.

--------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 100000

assignment 1, odd-even sort, parallel implementation.

usage of processes: 25

runTime is: 1090.445995ms

[ubuntu:12311] 24 more processes have sent help message help-mpi-btl-base.txt / btl:no-nics

[ubuntu:12311] Set MCA parameter "orte\_base\_help\_aggregate" to 0 to see all help / error messages

----------------------------------------------------------------------------

Open MPI has detected that a parameter given to a command line

option does not match the expected format:

Option: n

Param: ./assignment1\_parallel.out

This is frequently caused by omitting to provide the parameter

to an option that requires one. Please check the command line and try again.

----------------------------------------------------------------------------

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Open MPI has detected that a parameter given to a command line

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Param: ./assignment1\_parallel.out

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Option: n

Param: ./assignment1\_parallel.out

This is frequently caused by omitting to provide the parameter

to an option that requires one. Please check the command line and try again.

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Open MPI has detected that a parameter given to a command line

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Option: n

Param: ./assignment1\_parallel.out

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Option: n

Param: ./assignment1\_parallel.out

This is frequently caused by omitting to provide the parameter

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Open MPI has detected that a parameter given to a command line

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Option: n

Param: ./assignment1\_parallel.out

This is frequently caused by omitting to provide the parameter

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Open MPI has detected that a parameter given to a command line

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Option: n

Param: ./assignment1\_parallel.out

This is frequently caused by omitting to provide the parameter

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Open MPI has detected that a parameter given to a command line

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Option: n

Param: ./assignment1\_parallel.out

This is frequently caused by omitting to provide the parameter

to an option that requires one. Please check the command line and try again.

----------------------------------------------------------------------------

----------------------------------------------------------------------------

Open MPI has detected that a parameter given to a command line

option does not match the expected format:

Option: n

Param: ./assignment1\_parallel.out

This is frequently caused by omitting to provide the parameter

to an option that requires one. Please check the command line and try again.

----------------------------------------------------------------------------

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.038 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.293 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.802 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 1.92 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 2.944 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 26.39 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 75.03 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 202.39 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 321.855 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.036 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.299 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.775 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 2.311 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 6.83 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 35.832 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 75.972 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 254.623 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 326.644 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.035 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.288 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.765 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 4.468 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 6.775 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 50.542 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 96.644 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 204.318 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 323.65 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.002 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.035 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.286 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.754 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 1.923 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 2.898 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 26.602 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 76.054 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 203.757 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 323.368 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.037 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.286 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.804 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 1.915 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 2.952 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 26.496 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 77.027 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 203.751 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 382.219 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.038 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.287 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.779 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 2.319 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 6.936 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 51.811 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 102.077 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 202.695 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 381.881 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.038 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.287 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.778 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 2.197 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 6.943 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 51.908 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 107.168 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 256.436 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 383.339 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.037 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.288 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.789 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 1.943 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 2.987 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 26.045 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 75.038 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 202.647 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 321.869 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.002 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.036 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.295 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.773 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 1.863 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 2.928 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 26.131 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 75.599 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 203.024 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 321.557 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.002 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.036 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.294 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.76 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 1.872 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 2.921 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 26.091 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 76.05 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 202.863 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 321.343 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10

assignment 1, odd-even sort, sequential implementation.

runTime is 0.001 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 100

assignment 1, odd-even sort, sequential implementation.

runTime is 0.035 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 300

assignment 1, odd-even sort, sequential implementation.

runTime is 0.284 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 500

assignment 1, odd-even sort, sequential implementation.

runTime is 0.779 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 800

assignment 1, odd-even sort, sequential implementation.

runTime is 1.913 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 1000

assignment 1, odd-even sort, sequential implementation.

runTime is 2.972 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 3000

assignment 1, odd-even sort, sequential implementation.

runTime is 26.418 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 5000

assignment 1, odd-even sort, sequential implementation.

runTime is 75.997 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 8000

assignment 1, odd-even sort, sequential implementation.

runTime is 257.932 ms

Name: Yunteng Yang

student ID: 116010264

size of the array: 10000

assignment 1, odd-even sort, sequential implementation.

runTime is 325.439 ms