```
headless@ed2f649df05f:~/Downloads$ mpirun -np 2 ./B0629032 bucket
processor 0 tooks 0.000129 seconds
processor 1 tooks 0.000110 seconds

headless@ed2f649df05f:~/Downloads$ mpirun -np 4 ./B0629032 bucket
processor 0 tooks 0.000134 seconds
processor 1 tooks 0.000193 seconds
processor 2 tooks 0.000120 seconds
processor 3 tooks 0.000194 seconds

headless@ed2f649df05f:~/Downloads$ mpirun -np 8 ./B0629032 bucket
processor 1 tooks 0.000468 seconds
processor 2 tooks 0.000580 seconds
processor 3 tooks 0.000468 seconds
processor 4 tooks 0.000575 seconds
processor 5 tooks 0.000346 seconds
processor 6 tooks 0.000590 seconds
processor 7 tooks 0.000433 seconds
processor 0 tooks 0.000447 seconds

headless@ed2f649df05f:~/Downloads$ mpirun -np 16 ./B0629032 bucket
processor 0 tooks 0.000638 seconds
processor 1 tooks 0.000715 seconds
processor 2 tooks 0.000404 seconds
processor 3 tooks 0.000624 seconds
processor 4 tooks 0.000430 seconds
processor 5 tooks 0.000462 seconds
processor 6 tooks 0.000348 seconds
processor 7 tooks 0.000628 seconds
processor 8 tooks 0.000606 seconds
processor 9 tooks 0.000693 seconds
processor 10 tooks 0.000692 seconds
processor 11 tooks 0.000578 seconds
processor 12 tooks 0.000625 seconds
processor 13 tooks 0.000638 seconds
processor 14 tooks 0.000727 seconds
processor 15 tooks 0.000692 seconds
```