**Assignment 3**

**Report**

**Name:** Mariam Ashraf Fekey

ID:20140263

Group:CS\_2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Using MPI\_Bcast and MPI\_Reduce | | | Using MPI\_Send and MPI\_Recv | | | The input n |
| Time | | | Time | | |  |
| sys | user | real | sys | user | real |
| 0.016s | 0.075s | 1.608s | 0.022s | 0.115s | 1.767s | **2** |
| 0.015s | 0.082s | 0.999s | 0.012s | 0.083s | 0.968s | **9** |
| 0.017s | 0.091s | 0.759s | 0.018s | 0.079s | 1.749s | **12** |

The MPI\_Bcast and MPI\_Reduce is faster than the MPI\_Send and MPI\_Recv