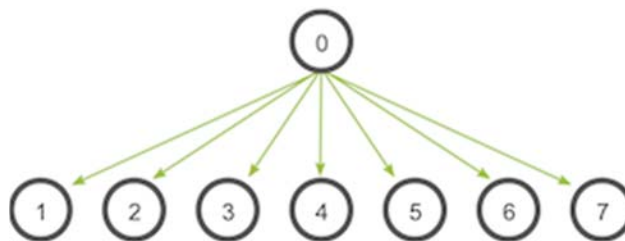# ECE 432/532 Lab exercise - 2

Fall 2017

Exercise 1:

MPI_Bcast is used to send data form one process to another:

```
int MPI_Bcast(
        void*           data_p          /* in/out */,
        int             count           /* in     */,
        MPI_Datatype datatype           /* in     */,
        int             source_proc     /* in     */,
        MPI_Comm        comm            /* in     */);
```


Write a program that:

1. Asks form the user to enter an integer number
2. Reads this value and distributes the value to all of the MPI processes.
3. Each process after having received the number, should print the received values along with its rank.
4. The program should be continuous should be read until a negative integer is given as input.