

Programming Assignment 10

Due by December 2, 9:00 PM

1. For this homework, we complete the “ladders” game project. There are 10 files in `hw10.zip`. Please submit only `path.c`. You are not allowed to change any other files.
2. Again, you can modify only `path.c`, and submit only this file. In this file, you are supposed to implement BFS algorithm on the graph constructed in `backend.c`, and all the necessary data structures for BFS and BFS-tree. For example, you will need to implement a queue. The easiest way is probably to use an array of size $N = 5757$ with which we don't have to worry about overflow.
3. Included in `hw10.zip` is the binary file `ladders_demo`, which is executable on our linux server. You can test your own program `ladders` against `ladders_demo`. In other words, your program must behave exactly the same as `ladders_demo`.