

Jars Problem

solution description:

My approach is similar to the one we discussed at the office which is done by applying BFS implemented by a queue.

Visiting recurrent nodes is prevented by a map storing as a key the nodes already visited.

As a key value I stored the father node and that would enable us to follow back the path to the root when the answer is found.

ways of enhancing the program's efficiency:

- 1) Using `unordered_map` instead of a map or a customized hash function that'd give an optimal solution.
- 2) Storing the reverse pour information that gets you back to the father node as a value to each key (we need to store 3 pieces of information to reverse the pour correctly and not just two).
- 3) Using better copy constructors.
- 4) Using map to determine recurrency right before pushing pour coordinations to the queue.