DEPTH FIRST CASTLE BLACK SEARCH 1200 WINTERFELL WITH GOT IRON ISLANDS VALE OF ARRYN CASTERLY ROCK KING'S LANDING HIGHGARDEN STORM'S END THE DORNE DOSE

DEPTH FIRST SEARCH

GRAPH TRAVERSAL

explore as far as possible along a path until there are no more nodes along the current path, then backtrack, i.e. move backwards to find new paths

Mark each node you travel to as visited to avoid moving in cycles





IMPLEMENTATION

using a stack

- 1) Let S be a stack
- 2 Push starting node in S
 - 3 While S is not empty, repeat the following
 - a Pop out the top node
 - of it is unvisited, push it's neighbours into s then mark it as visited