the code neads the number of needer (W) and edger (M) from the first line. Initializes an adjacency list (ad. 1) to represent graph, a list to track visited nodes (votal), and a list to stone the shortest distance (dist). The 'distance' function takes the source node as an argadient. It initializes the distance from the nounce to itself on 0 and ada all other distances to infinity. For each itself on 0 and ada all other distances to infinity. For each itself in the connect mode with the imminimum distance (not visited yet) as the current mode (stett). Markes the current node is visited. Update the distances to its neighboring modes if a shorter path in found. Then the code neads the source mode from the last line of input. Writes the resulting shortest distances to the output file, on -3 if a node in unnearlands.