Hill climbing Search algorithm

function Hill.climbing (problem) returns a state that is a local maximum

    current ← Make – Node (problem. Initial_state)

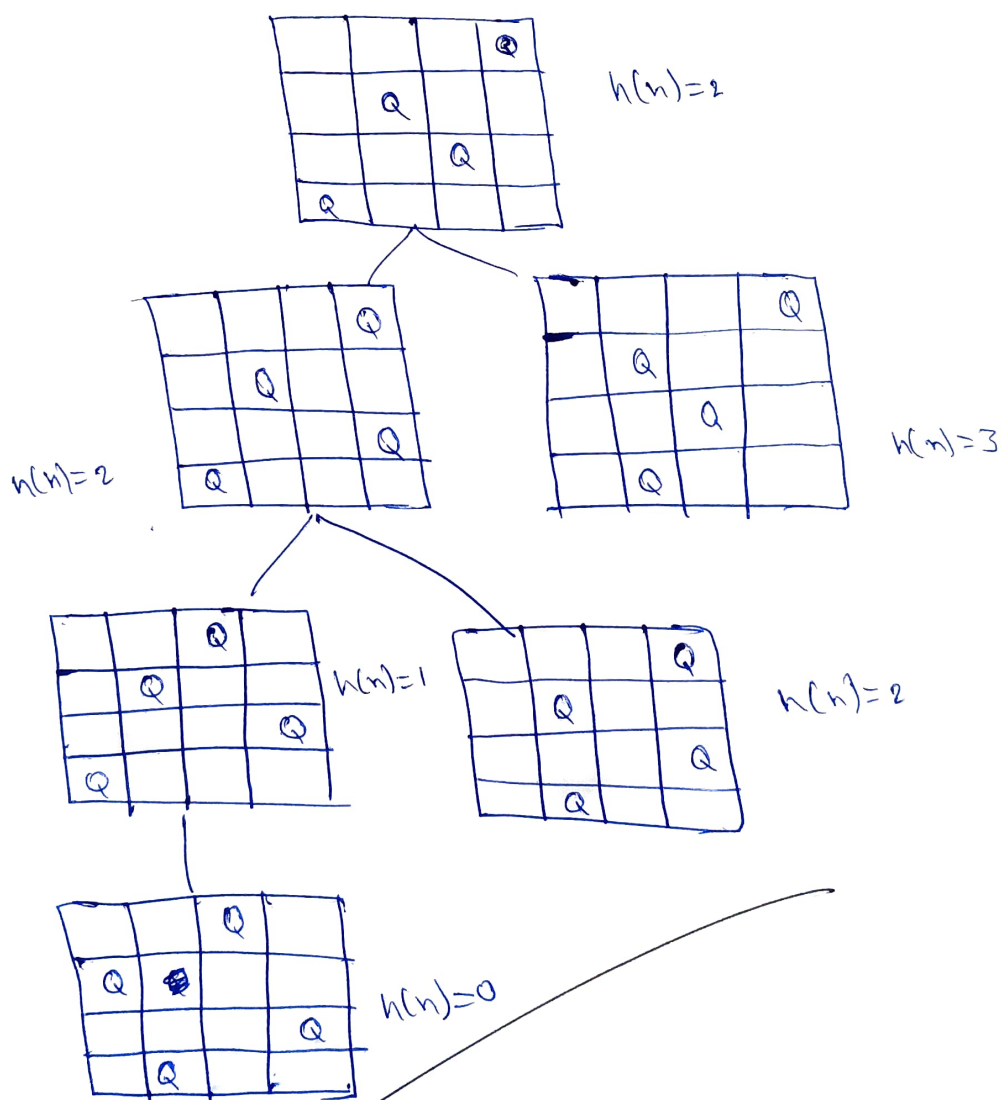   loop do

        neighbour ← a highest-valued successor of current

        if neighbour value ≤ current.value the re return current.state

        current ← neighbour

Solution: