Ankit Roej

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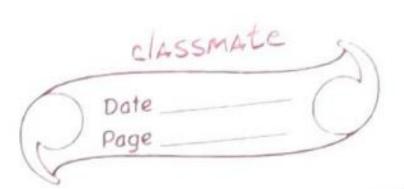
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Hill climbing algorithm is a local Seasch algorithm is a socal which continously moves in the direction of increasing elevation/value to find the beak of the mountain or best solution to the broblem. It terminates when it reaches a feat value where no neighbor has a highest value.

It is consider as a beyond classical approach because it depend on intial state, can get stuck in local maximal minima in the direction which oftimize officials the cost

Three informost issue and their ramedial measures are:

D Local maximum:
Sol") Backtoacking technique Kan be

Soluction

Deplateau:

Son) Plateau is to take big # Steps or

little steps to solve Randomly Select

a State which is far away.

Solh) with the use of bidirectional Seasch, or by moving in different direction, we can improve this.