**BTVN**

**Tìm hiểu về thuật toán Greedy Best First Search.**

***Hạn nộp: 13/11/2021***

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**Greedy Best First Search:**

* a form of best-first search that expands first the node with the lowest *h(n)* value—the node that appears to be closest to the goal—on the grounds that this is likely to lead to a solution quickly. So the evaluation function *f(n) = h(n)*.
* Complete:
* Greedy best-first graph search is complete in finite state spaces, but not in infinite ones.
* Time:
* On each iteration it tries to get as close to a goal as it can, but greediness can lead to worse results than being careful.
* Space:
* The worst-case time and space complexity is O(|V|).
* With a good heuristic function, however, the complexity can be reduced substantially, on certain problems reaching O(bm).
* Optimal:
* The solution it found does not have optimal-cost.