3. (20 points) Local Search

Give the name of the algorithm that results from each of the following special cases:

(a) Local beam search with k=1

Put your answer(s) to 3a here:

generals | Start State, hill Climbing

replice Start w/ hest state (neighbor)

(b) Local beam search with one initial state and no limit on the number of states retained.

Put your answer(s) to 3b here:

stort will state, generate all successors,

then generate all successors of all those successors,

breadth first secreti

(c) Simulated annealing with T=0 at all times (and omitting the termination test).

Put your answer(s) to 3c here:

T=0 means small chance for bid mon!

hill climbing.

(d) Simulated annealing with $T=\infty$ at all times.

Put your answer(s) to 3d here:

T= 00 means infinite bed mass

this is a random walk