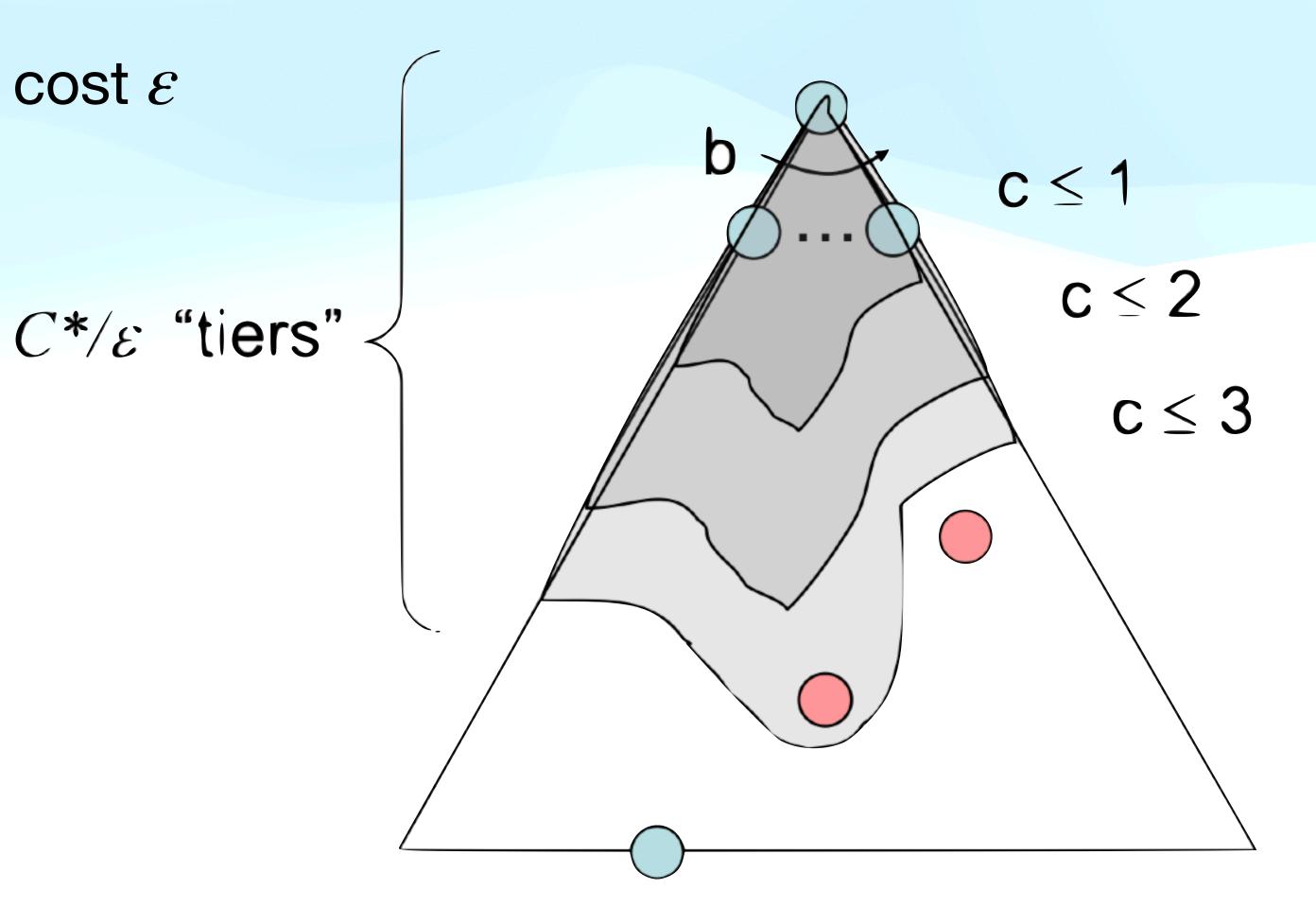
Uniform Cost Search

- Solution cost C^* , incremental arc cost ε
- Similar with BFS:
 - Space complexity: $b^{C^*/\varepsilon}$
 - Time complexity: $b^{C^*/\epsilon}$
- Optimal: Yes
- Completeness: Yes



Greedy Search Algorithm (using h) Important aspect

- Heuristic function $h(x) \approx h^*(x)$
- The order of the nodes in fringe **Smallest** h(x)
- Should the same state be generated?
 - Same as the EXPANDED states NO (reached)
 - Same as the states IN fringe NO
- When to report the goal?
 - When generated? Yes
 - When expanded?

