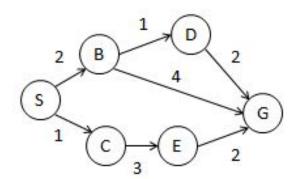
Consider the following search problem, where S is the start state and G is the goal, given as a graph:



	S	В	С	D	E	G
hi	0	0	0	0	0	0
h ₂	4	2	1	2	0	0
h ₃	4	3	3	2	0	0

- 1. Which heuristics are admissible (or write none)?
- 2. Which heuristics are consistent (or write none)?
- 3. For heuristic h3, fill in the following table, showing the node expanded, the fringe, and the closed list, for A^* graph search. Each item on the fringe should be a pair: path taken to n and f(n).

Node Expanded	Fringe	Closed List

4. For heuristic h3, what path will A^* graph search return?