CS 486 - A2

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January 22, 2015

Problem 1a:

Paths are expanded in the order:

   S F P Q R T G

Problem 1a i:

Yes, $h(state)$ is admissible since it never overestimates the cost of getting to g.

Problem 1a ii:

S H K C A B D M G

Problem 1a iii:

S H K C F P Q R T G 4 4 4 6 6 6 6 6 6

   4+4a 5+3b 3+3c 6+2d 1+5f 0+4s 1+3h 2+2k 7+1m 2e 2+4p 3+3q 4+2r 5+1t 6+0g 1n