Homework } Saturday, March 17, 2018 11:21 AM

h(n) I number of white tiles misplaced;

defined as any white tile to the

right of any black tile

This will never overestimate -> if a file is in the wrong spot, it requires * at minimum a cost of one to be moved. Therefore, the minimum cost of solution will be equal to white tiles that need to be moved to the left, as every one of those Liles will need to make.

Take an edge case, though, and say moving one black tile can resolve two while tiles:

WBWWEBB

To more the black tile two spaces, you can hopover the white tiles. How Ever this more will have a cost of two, which is equal to h (n).

expants WBBWWEB

CONTINS! | WBWBEB|h(n)=2

WBWWBEB/h(n)=1 WWBWBEB | h(n)=1

cost tro l'yh

expands other branch WWWBBEB/h(n)=0