

CS 122A Winter 2013.

HW 3, Due friday February 1, 2013.

Do problems 3.3, 3.4, 3.6, 3.9, 3.12 and 3.18 in the book.

Do the following problem:

Recall the empty table problem from HW 1 and HW 2. In HW 2 you examined the question of how large a value can be put into a cell (i, j) . Now we are concerned with the opposite question. How small a value can be put into a cell (i, j) , over all legal solutions to the table?

I claim that the answer is $\max[0, R(i) + C(j) - T]$, where $T = \sum_{i=1}^n R(i)$.

Prove or disprove this claim.