Correction Notes - Assignment 6

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Task 6.1: a)

The steps are correct, but it's your recursive log-odds term for step $t = 0$ is zero, not your prior term as you have the prior probability of the cell being occupied given to you. Thus you log odds would be 0.6 + log odds prior term.
Points: 5/6

Task 6.1: b)

Here you've done it correctly. You could also initialize the recursive term with $p = 0.5$ (No information about cell's occupancy). Then the corresponding log odds value would be just zero. By the way be careful which logarithm you're using. In the previous task you were using log with base 10 instead of ln as you did here. It's better to use ln so that you can return to the probability through exp().
Points: 3/3

Task 6.1: c)

Correct.
Points: 3/3

Task 6.1: d)

Not handed in.
Points: 0/3

Task 6.2)

Correct.
Points: 5/5

Side-Notes:

According to my table of points you already have more than 50% of points. I would still recommend to continue doing the assignments of course.

Total Points: 16/20 Points