

## Correction Notes - Assignment 7

*Group: Faris Hajdarpasic, Shashank Dammalapati*

### Task 7.1: a)

Correct, but you forgot to include the case where both features are assigned as new and when both features are assigned as false detection. While both features can't be assigned to the same landmark these 2 cases still persist.

**Points: 5/6**

### Task 7.1: b)

You don't need to consider all possible permutation, it's sufficient to show the possible landmark assignments when there's either no new landmark was previously added, only one landmark was previously added or two new landmarks were previously added to the map.

**Points: 3/4**

### Task 7.2)

Not handed in.

**Points: 0/5**

### Task 7.3)

For the covariance matrix you would need half of the variables there because it's symmetric additionally to the number of variables in the state.

**Points: 4/5**

**Total Points: 12/20 Points**