### **COMP 8700 - Introduction to AI**

## Assignment 4

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# Question 1

Please refer to **this link** for the video of the implementation of the search algorithms. You can view the source code **here**.

### **Question 2**

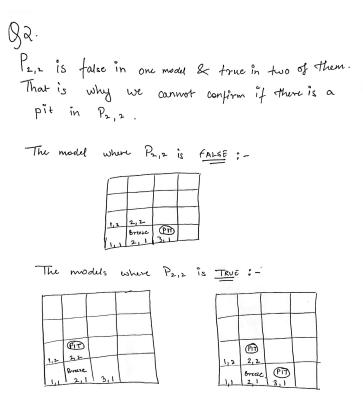


Figure 1: Solution for Q2

### **Question 3**

Figure 2: Solution for Q3 - Part 1

This means that neither of [1,1], [2,2]
[1,3] contains a part pit.

Hence proved that no pits in [2,2] & [1,8]

Figure 3: Solution for Q3 - Part 2

### **Question 4**

Figure 4: Solution for Q4

#### **Question 5**

Please refer to **this link** for the video of the implementation of the search algorithms. You can view the source code **here**.

NOTE - Incase the links are not working, please refer to https://drive.google.com/drive/folders/1oSiAT8TP2U8X8ACmx7N3Jr6NGyW36GMw?usp=sharing for the videos of the implementation. You can view the source code at - https://github.com/yameenajani/COMP-8700