Task 1 Hard-3

How does the fallback node help in making better decisions?

Answer: Fallback is used when we have to choose one between the tasks present. Like this or that situation. So taking better decisions itself means that we are very sure if we want to do this or if we want to do that (or multiple). So fallback node is ideal in such cases.

Why is this better than using long if-else conditions?

Answer: This is better because if else would take more time and also it is lengthy. This is easy to read and also if we want to add a task, it would get more difficult in a if else block but comparatively not here.

What happens if the battery is low but not critically low? How does your tree handle this?

Answer: If the battery is low but not critically low, then the non-essential systems(like camera) would get turned off and the rover would continue moving.

The behavior tree is attached in the next page.

