

Questions:

- a) Fall back Node Better Decision Making
  - node hode
  - The tests conditions in order from top to bottom

Example in Battery Check:

- 1. First we check the critical bottery condition ->
  -> Immediate return if false
- 2.96 not, we check the low battery condition ->
  power saving code.
- 3. If all foils, it defaults to normal condition.

  b) Why it is better than using long if-else conditions?
  - The nodes can be reused in Behaviour-Trees while it is hard to reuse in 9f-else chains.
  - it requires re-writing in If-else chain.
  - Failure handling is explicit while error handling is mixed with logic in If-else chains
- c) What happens if the battery is low but not critically:

-> Fails "critically low?" check

- -> turns off non-essential systems (like cameras) to save power
- -> Never reaches" Normal condition"
- Rover continues mission with reduced functionality