Behaviou Tolds Representation -> Root (Sequence Nools) 1 Battoy check (Fallback vale) Is battery critically Is battery land Namely proceed low? Refun to base Tun off non-exercial power systems -Marigation (-1 Obstachle Detected? Move forward Reys/ Legends Is obstacle large? Is Obstaclo Small? (Sequence Node) (I Handle the obstacle (Fallbuck Noole) Adjust dion (Condition) Check 81 no alternate (Action) alkurate perth; stop! Resh

(a) How does the Fallback node help in Stinath &
Ansi-OA falloack noole thies child nodes with one succeeds; i-e in the sense acts like a priority based olecision. O lei- Bettery cheek; Lo Mere the rown cheeks critical care first of alone case is false it cheeks low bettery & so on ordendant cheeks.
(b) Why is it better than using a long if -lese condition? Ans: © Readability: Plowchark are Cary to composehend than codes O Flexibility: Nodes can be rearranged/swapped without rewriting the entire logic. O Modularity: A breaks logic into rewaltereds.
(1) Hendling "Low but not Crotically Low" Battery
Drs: The fallback voole evaluates its childs until one succeeds.
Critically low?) Fails & moves to next
Ly Low but not airial -> Succeeds & truns of Camerar & suns in reduced pour usage.