**1aii: Detailed Paragraph (Friendly, Structured)**

The **automated planning system** laid out a clear plan for our crew. The Human Electrician (h1) starts in Room H to finish all the Electrical jobs first. They then move to Room D and Room E to handle the Plumbing tasks. At the same time, the two foundation robots, r1 and r2, travel directly to their assigned rooms, F and G, to get the Foundation work done. Our specialist robot, r3, begins with its first Finishing job in Room J before moving to Room I to complete the final task. The system then used the **Pareto Front** to find the ideal trade-off. This front is the line of solutions that gives us the **best balance** between maximizing the project's Success Chance and minimizing the Total Cost. To meet our requirement of at least a 92% chance of success, the **plan selected** is Solution ID 7. This plan achieves a 92.1% probability for a cost of 48.732 units. We managed this safety rating by wisely adding extra chances, or retries, for the riskiest work, such as giving the final Finishing work 5 tries and the two Foundation preparation tasks 3 tries each.