### 1bii: Casual, Long, Single Coherent Paragraph

We have a clear, multi-agent plan for the construction site. Our Human Worker (h1) starts in Room H by tackling both Electrical Installation tasks (t2\_ip2, t2\_ip1) back-to-back, then moves to Room D for the first Plumbing task (t3\_bza), followed by a trip to Room E for the second Plumbing task (t3\_bzb). In the meantime, the robots are moving: Robot r1 heads to Room F for Foundation preparation (t1\_msa), Robot r2 goes to Room G for its Foundation preparation (t1\_msb), and Robot r3 completes one instance of Finishing work (t4\_se1) at Room J before traveling to Room I for the final Finishing work (t4\_wcp1). The results are grouped on the **Pareto front**, which represents the list of optimal plans where you can't reduce the cost without lowering the chance of success, and vice-versa—it's the perfect balance between risk and spending. To meet our goal of a minimum 0.90 overall success probability, the planning system selected the most cost-effective option, delivering a **0.904 success chance** for a low cost of **$48.101**. This low cost is achieved through a controlled retry strategy where the Human Worker (h1) is limited to just **one maximum retry** for all four of their assigned tasks, while the robot agents receive more substantial retry allowances, specifically **five retries** for Robot r3's t4\_se1 and **four retries** for Robot r2's t1\_msb, to ensure mission reliability.