Smartphone assembly problem formulation

Variables:

- W x H Grid of ones (mount points get value 0)
- R robotic arms
- T tasks
- L time
- P Mointpoints

Approach:

Local variables:

Path_vector: vector of paths from mount points to first job in each task

Pseudo code:

- 1. Foreach task "t" in Tasks:
 - Foreach mountpoint "mp" in MountPoints:
 - Compute the distance mp -> First Job in the task
 - Pair the task "t" with "mp" having shortest path
 - Append path_vector with the shortest path
- 2. Sort path_vector in increasing order
- 3. Foreach task "t" in Tasks:
 - Foreach robotic arm "r":
 - Foreach job "j" in task "t":
 - Run job"j"
 - Update grid occupancy

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