**Robot Say Robot Do!**

The problem will be about a robot going to different states in a large state-space.

Description: There will be many boxes of different weights in the location. Carrying each box consumes energy proportional to the box weight. The robot has a fixed amount of energy. The robot can carry multiple boxes at the same time.

Sub-Task 1: Complete the task without wasting energy

Sub-Task 2: Complete the task with minimum energy

Task: Take all boxes to the exit. Complete task using a given amount of energy.

Target/Goal: Finish all the tasks in the location.

Suggestion: The task can also be collecting rocks in Mars and the carrying limit may be defined.