Classic planning with PDDL

Aleksandra Słomska
Zofia Narloch

February 28, 2026

1 Exercise 1.1: Emergency Service Logistics, Initial Release

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1 ( PICK-UP-CRATE CRATE1 DEPOT DRONE1 RIGHT )
2 ( DRONE-MOVE DEPOT ROOM1 DRONE1 )
3 ( DROP-CRATE ROOM1 PERSON1 CRATE1 RIGHT FOOD DRONE1 )
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Listing 1: Outcome of the first problem - one person and one box

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1 ( PICK-UP-CRATE CRATE1 DEPOT DRONE1 RIGHT )
2 ( PICK-UP-CRATE CRATE2 DEPOT DRONE1 LEFT )
3 ( DRONE-MOVE DEPOT ROOM1 DRONE1 )
4 ( DROP-CRATE ROOM1 PERSON1 CRATE1 RIGHT FOOD DRONE1 )
5 ( DROP-CRATE ROOM1 PERSON2 CRATE2 LEFT MEDICINE DRONE1 )
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Listing 2: Outcome of the second problem - two people and three boxes

2 Exercise 1.2: Problem Builder in Python

3 Exercise 1.3: Performance Comparison of Search Algorithms and Heuristics

Figure 1: Size of the problem and the time required to find a solution in the tests