

The results:

Air Cargo: [Load(C1, P1, SF0), Fly(P1, SF0, JFK), Load(C2, P2, JFK),

Romania: [Drive(Sibiu, Fagaras), Drive(Fagaras, Bucharest)]

Robot delivery, part 1: [Move(Robert, MyOffice, Floor), Move(Robert,

Robot delivery, part 2: [Move(Robert, MailOffice, Floor), Move(Rober

The result means, first drive from Sibiu to Fagaras, then drive from Fagaras to Bucharest and achieve the goal state.

To solve another problem such as a dinner date example:

Initial Conditions

: (and (garbage) (cleanHands) (quiet))

Goal

: (and (dinner) (present) (not (garbage)))

Actions:

Cook :precondition (cleanHands)

:effect (dinner)

Wrap :precondition (quiet)

:effect (present)

Carry :precondition

:effect (and (not (garbage)) (not (cleanHands)))

Dolly :precondition

:effect (and (not (garbage)) (not (quiet)))

Then develop a graph plan such like:

