R9

Start

R10

Start

R1   R2

R5   R6

R3   R4

R7   R8

✛   Black Tape   ✢   Yellow Tape

Schedule a Meeting

- Robot starts from one of the two 'Start' nodes
- Room are numbered from 1 to 10
- Input (or parameters)
  - a sequence of room numbers such as [1,2,5], [1,4], or [5,3,7,9]; and
  - a number indicates its start position, i.e., 9 or 10
- Robot needs to travel to all the room in the list and finishes at where it starts.

Requirements

- Provide a situation calculus theory that describes the domain.
- Develop IndiGolog program(s) that can achieve the goal.
- Implement the IndiGolog program in Legolog with exogenous actions for
  - deleting some of the destinations
  - adding some of the destinations