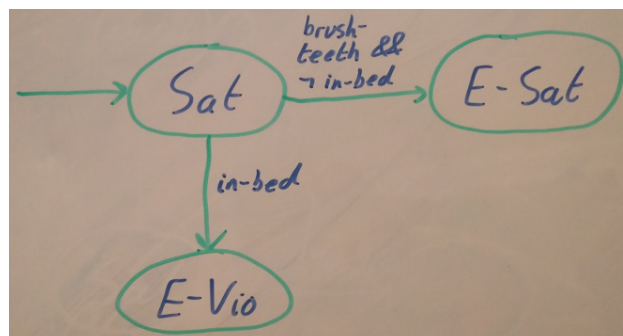


# AIP: Tutorial 7

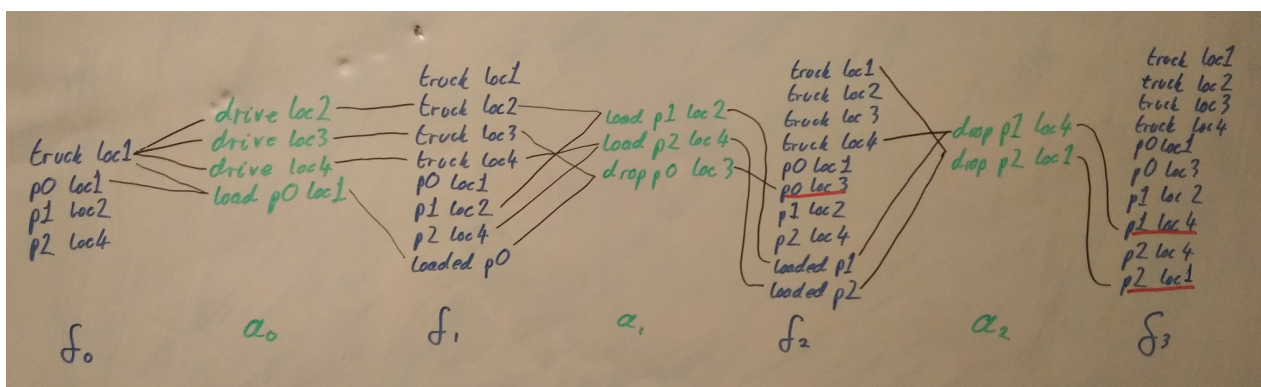
## Question 1

- Go to your friend's house at some point today.
  - (sometime (at mark friends\_house))
- Before you go to your friend's house, buy vodka.
  - (sometime-before (at mark friends\_house) (at mark off\_license))
- If you go to your friend's house, make sure you get home afterwards.
  - (sometime-after (at mark friends\_house) (at mark marks\_house))
- Don't finish the day with a traffic cone in your house.
  - (:goal (and (at mark marks\_house) (**not** (at traffic\_cone marks\_house))))

## Question 2



## Question 3



- Result: { (at p0 loc3) }
  - Plan: (load p0 loc1) (drive loc3) (drop p0 loc3)
  - Distance: 3
  - Code: 5
- Result: { (at p0 loc3), (at p1 loc4) }
  - Plan: (load p0 loc1) (drive loc2) (drive loc3) (drive loc4) (load p1 loc2) (drop p0 loc3) (drop p1 loc4)
  - Distance: 7
  - Code: 8
- Result: { (at p0 loc3), (at p1 loc4), (at p2 loc1) }
  - Plan: (load p0 loc1) (drive loc2) (drive loc3) (drive loc4) (load p1 loc2) (load p2 loc4) (drop p0 loc3) (drop p1 loc4) (drop p2 loc1)
  - Distance: 9
  - Code: 9