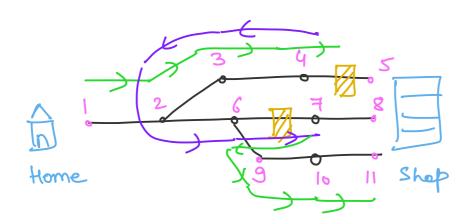
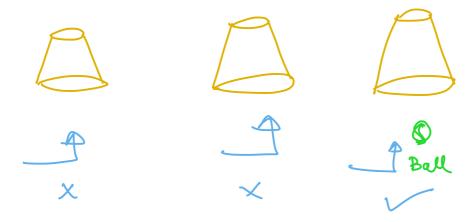
## R SKILLS

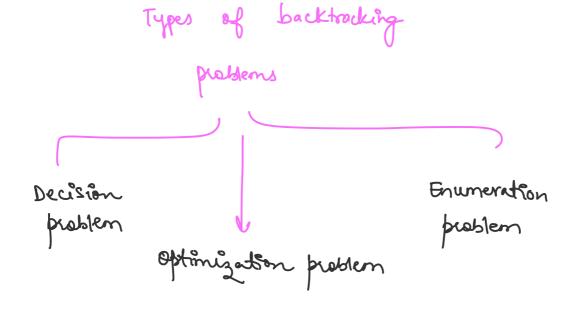
## Backhacking



Home - 1 -> 2 -> 6 -> 9 -> 10 -> 11-1 shop



It is a technique for solving problems recursively by trying to build the soln incrementally, one piece at a time, removing those soln A which fail to satisfy the constraints at any point of time.



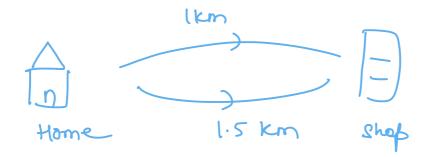
## Decision problem

In this we search for a feasible soln.

Something that will work for us.

## Optimization problem

In this we look for the soln which will work best for us.

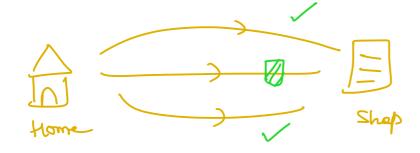


In this case, Ikm will be the optimal soln (or best soln) because

it takes lesser time,

Enumeration problem

Collection



Here we are targetting to find all the feasible bolns.

Given a board of size "2\*n" and tile of size "2\*1", count the number of ways to tile the given board.

Foe placing a tile, we have

2 placements