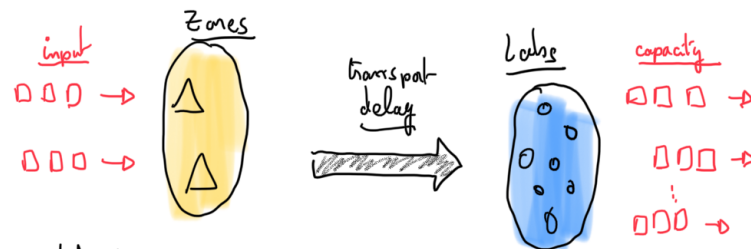


# Lab spreading



## Dispatch decisions:

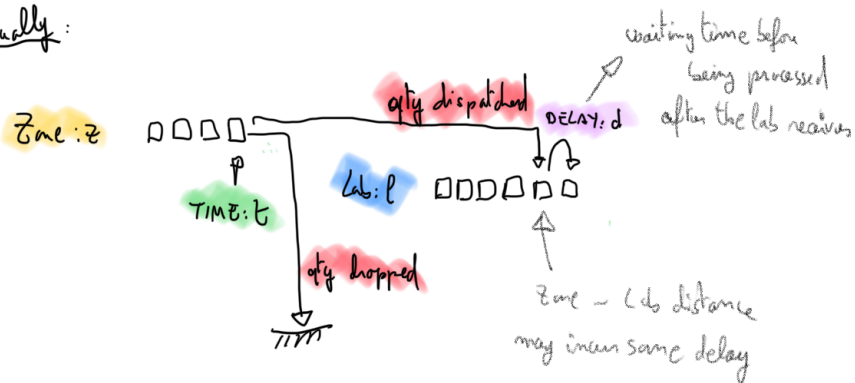
- at each time slot and for which zone
- what quantity are sent to which lab
- and how long it will be backlogged

## Drop decisions:

- at each time slot and for which zone
- what quantity are dropped

⇒ allow to find solutions to all problems but requires an optimization

## Visually:



## Constraints:

- no Lab over capacity
- no attributions with total delay (transport @ waiting time) too large

## Objectives:

- minimize drop
- minimize delay

#### Symmetry:

- two labs having same zone  $\leftrightarrow$  lab distances can be merged

#### Extensions:

- could support some prioritization between labs (e.g. price to minimize)
- could assign some capacity increase with some price