Objective:

$$\sum_{k}^{\text{for each vehicle}} \sum_{j}^{\text{from } i} \sum_{i}^{\text{to } j} dx_{\text{vehicle, node } i, \text{ next node } j} = \text{Cost}$$

add all vehicles

add all "from" points

add all "to" points

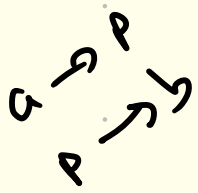
Constraints:

- Each customer once

$$P(x_i + x_i + x_i \ldots - 1)^2$$

- Flow Conservation

$$P\left(\sum x_{ip} - \sum x_{j\text{on}i}\right)^2$$



- Depot start and end

$$P(1 - x_{i=0})^2 \qquad P(1 - x_{j=0})^2$$