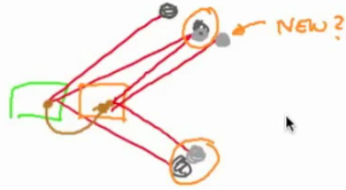


SLAM

- Continuous component

$x, y, \theta, x_1, y_1, x_2, y_2 \dots, x_N, y_N$ (online SLAM)

- Discrete component



SLAM

- Continuous component

$x, y, \theta, x_1, y_1, x_2, y_2 \dots, x_N, y_N$ (online SLAM)

- Discrete component

Correspondence of objects to previously detected objects

- Calculation of the full posterior usually *infeasible*

- High dimensionality of parameter space
- Large number of correspondences

