

This specific journey produces the following sensor readings
assuming zero error:

SENSOR READINGS:
['B', 'B', 'B', 'G', 'Y', 'G', 'Y', 'G', 'Y', 'G', 'G']

Filtering:

Given sensor readings:

Initial State

0.0625	0.0625	0.0625	0.0625
0.0625	0.0625	0.0625	0.0625
0.0625	0.0625	0.0625	0.0625
0.0625	0.0625	0.0625	0.0625

Loop through sensor readings:

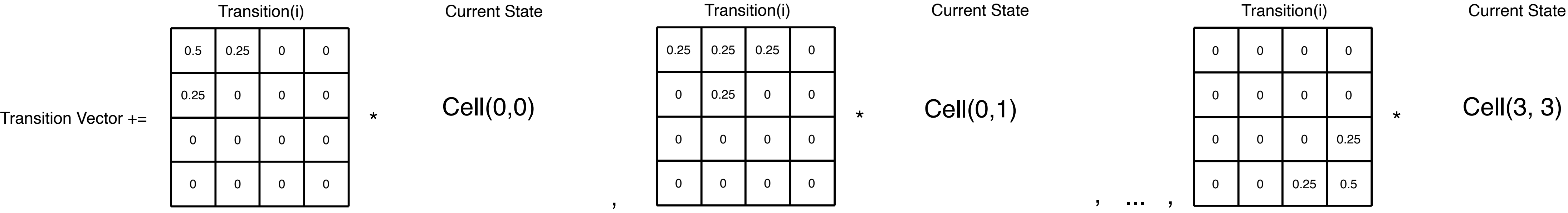
Prediction vector for sensor reading: Blue - (E(t))

0.88	0.88	0.04	0.04
0.04	0.04	0.04	0.04
0.88	0.88	0.04	0.04
0.04	0.88	0.88	0.88

Initialize Transition Vector

0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

For each cell, loop through 16 transition phases:



Prediction Vector = Prediction Vector * Transition Vector

Current State = Normalize(Prediction Vector)

Print(Current State)

Print(Ground Truth)