RESULTS FROM EXPERIMENTS

SKANDA VAIDYANATH

INSTITUTE OF CREATIVE TECHNOLOGIES

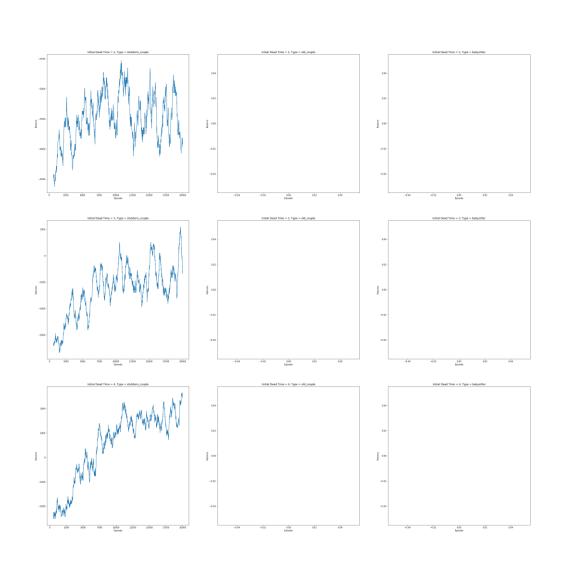
6/24/2019

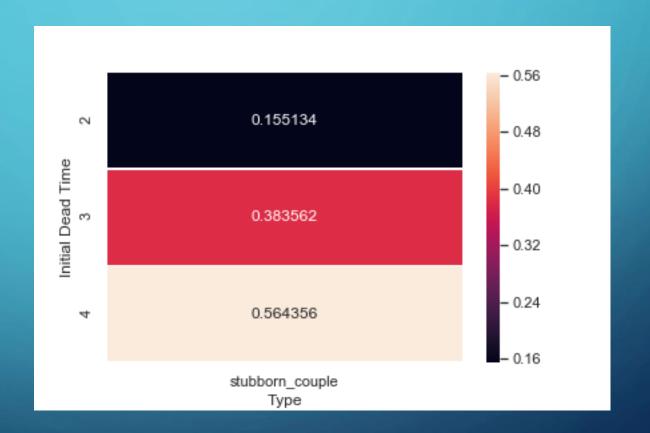
ENVIRONMENT REWARD FUNCTION

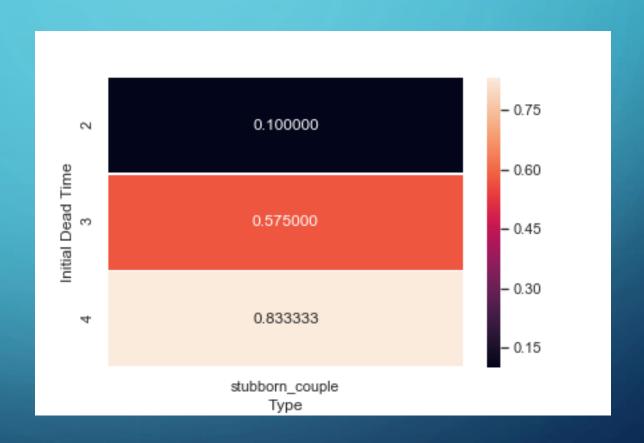
- Group saved: + 5000
- Group killed: -5000
- Interrupt operator: op_busy * -100
- Interrupt operator when already status ON: -50

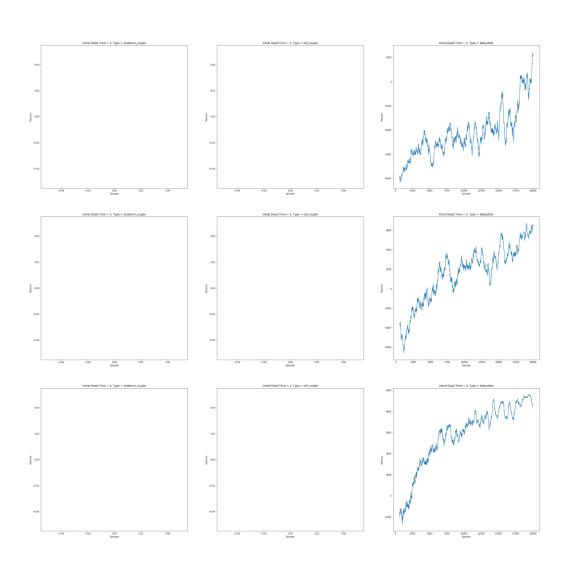
POLICIES ATTEMPTED

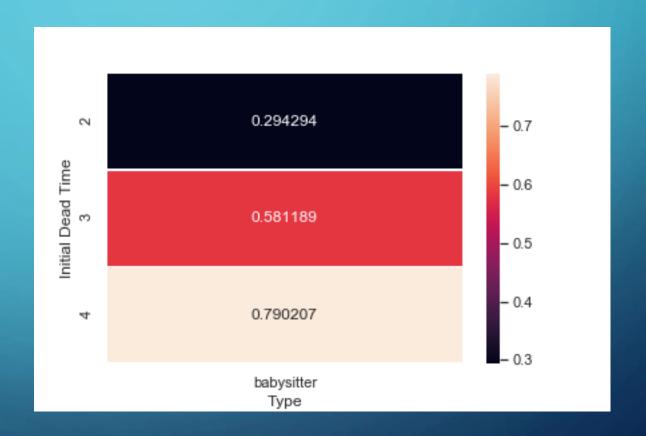
- 1. Only stubborn couple
- 2. Only babysitter
- 3. Only old couple
- 4. Only dead time initialization to 2
- 5. Only dead time initialization to 3
- 6. Only dead time initialization to 4



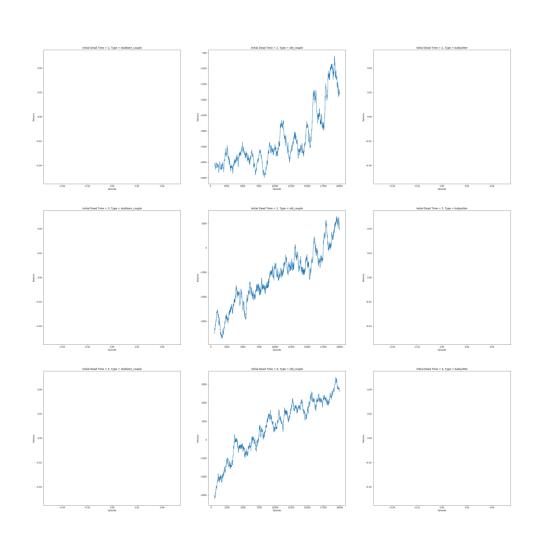


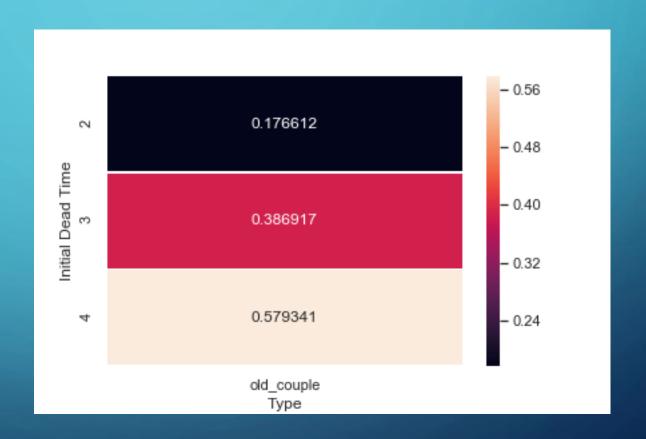


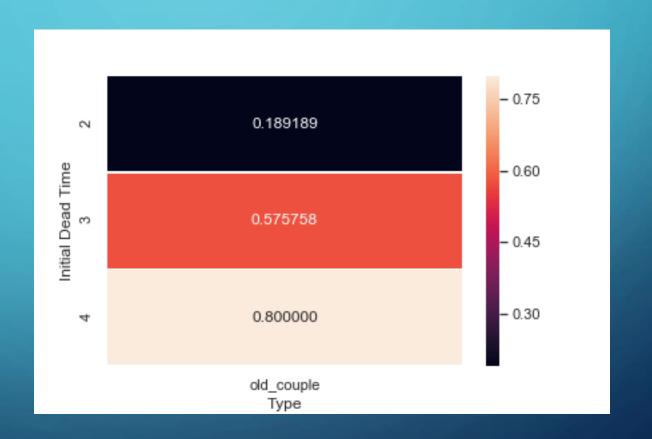


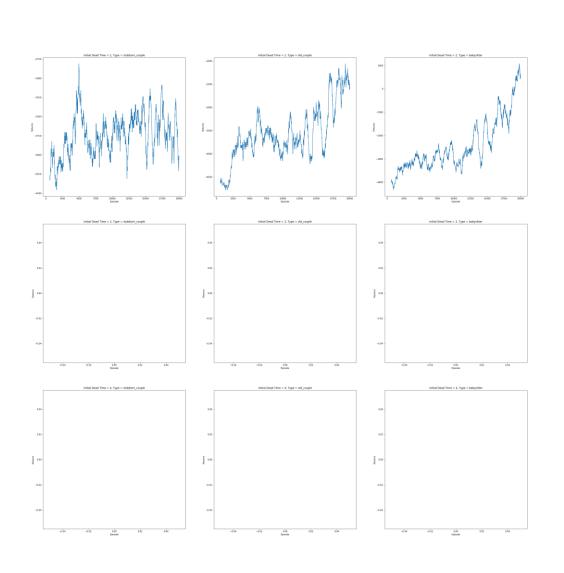


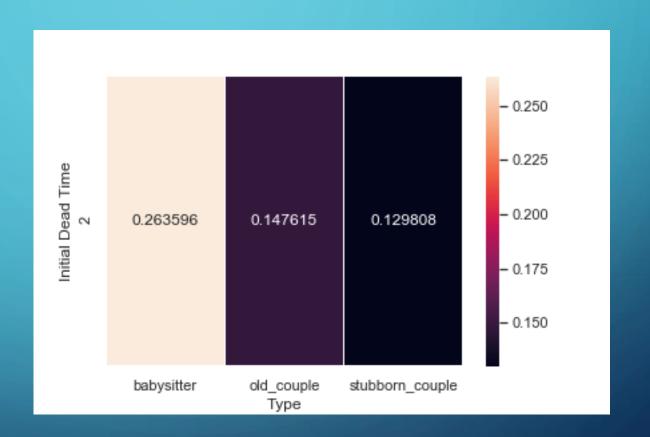


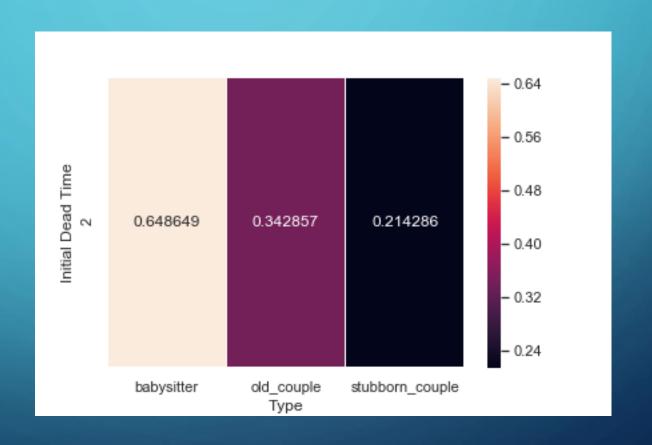


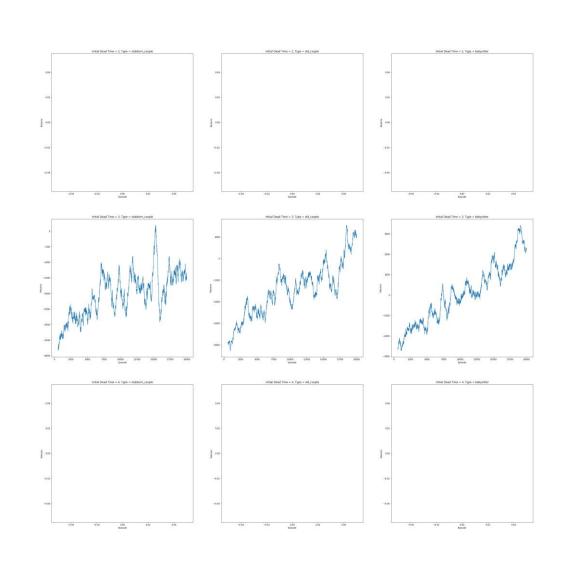


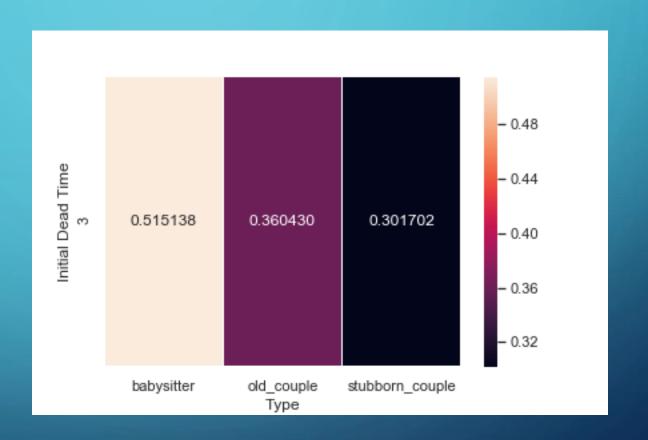


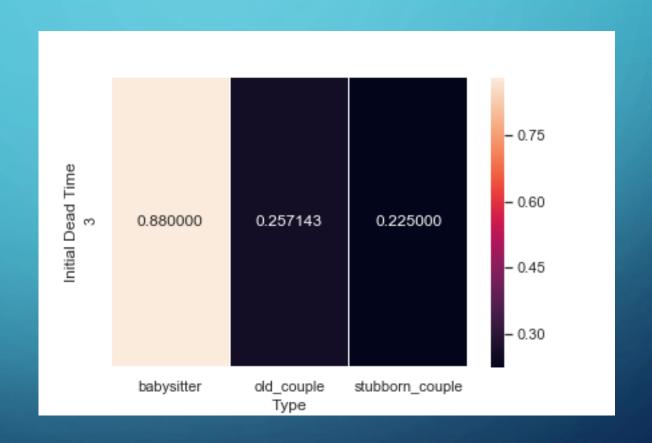


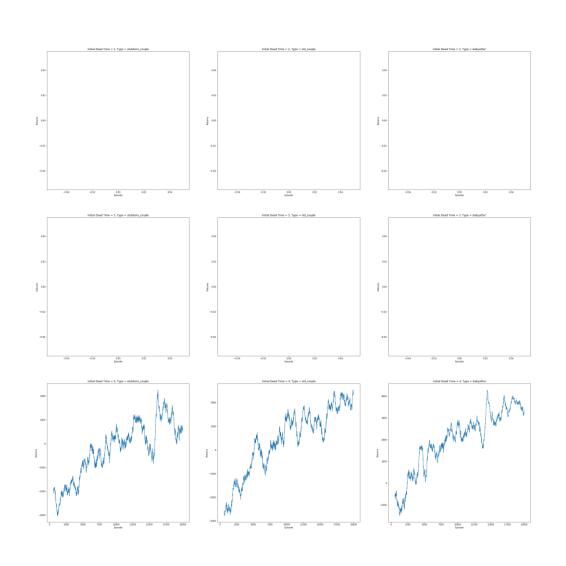


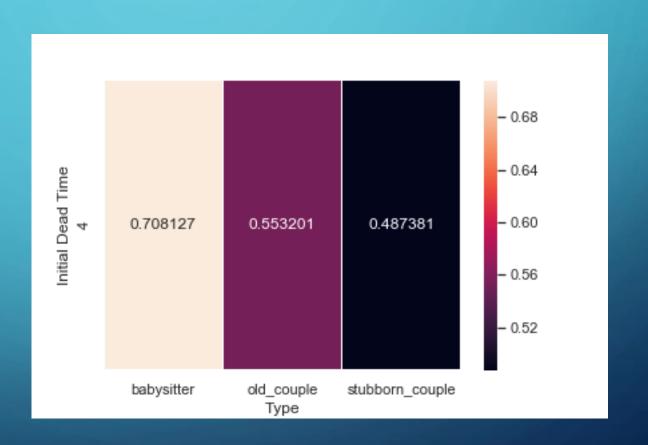


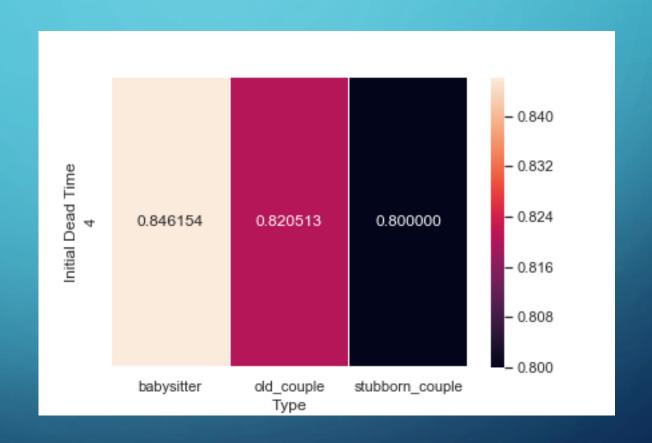












OBSERVATIONS — FROM TEST STATISTICS

Dead time init 2

Dead time init 3

Dead time init 4

Stubborn Couple	Babysitter	Old Couple
0.10/0.21	0.59/0.65	0.19/0.34
0.58/0.23	0.87/0.88	0.58/0.26
0.83/0.80	1.00/0.85	0.80/0.82

Value from individual group policy/value from individual time policy