



Actions Selected by Each Algorithm $\varepsilon = 0$ 1000 - $\varepsilon = 0.01$ $\varepsilon = 0.1$ ε – decay ucb1 opt $\varepsilon = 0.01$ 800 - $\varepsilon = 0.1, \alpha = 0.05$ Number of Actions Taken 600 -400 -200 -**4** 0

Action