



Actions Selected by Each Algorithm $\varepsilon = 0$ 1000 $\varepsilon = 0.01$ $\varepsilon = 0.1$ ε – decay ucb1 opt $\varepsilon = 0.01$ ε = 0.1, α = 0.05800 -Number of Actions Taken 600 -400 -200 -| 0 0

Action