Energy-aware Job Scheduling (N = 2) MDP Q-value, property ExpUtil, shallow 3-layered network  $10^{4}$ One-hot encoding Ordinal encoding One-hot encoding (Q-table) Ordinal encoding (Q-table) One-hot encoding (Double Q-learning) 10<sup>3</sup> Ordinal encoding (Double Q-learning) One-hot encoding (Double Q-learning, Q-table) Ordinal encoding (Double Q-learning, Q-table) Modest solution = 4.02810<sup>2</sup> Average reward  $10^1$  $10^{0}$  $10^{-1}$ 100 200 300 400 0 500 Number of episodes