

Large MDP

$\downarrow P, R$

$\Phi_{M_d} \text{ k-MDP}$

$\downarrow P_{\pi, k}, R_{\pi, k}$

MDP value iteration

$\downarrow P_{\pi, k}, R_{\pi, k}, V^{\pi^*}, \pi^*$

$k \rightarrow \Phi_{\alpha^*} \text{ or } \Phi_{Q^*}$

$\downarrow P_k, R_k$

$k\text{-MDP}$

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