

$$\begin{array}{l} \omega(P) \\ [0, P^*] \\ \omega(P) \\ \mathcal{P} \\ [0, P_{\lceil v+1/2 \rceil}] \\ \mathbb{Z} \\ \{P_L, P_H\} \\ \{\overline{P_L}\} \\ \{[P_L, P_H]\} \\ \mathcal{I}^* \\ \mathcal{I}^* \\ P_0 < \\ P_1 < \\ \dots < \\ P_q \\ P_0 = \\ P_L, P_q = \\ P_{\overline{H}} \\ q \equiv \\ |I^*| - \\ \mathcal{I} \\ [P_{k-1}, P_k] \\ \frac{1}{k} \leq \\ \frac{q}{k} \\ R_{k-1}(P) \\ L_k(P) \\ R_{k-1}(P) \\ (P_{k-1}, \omega(P_{k-1})) \end{array}$$

$$\begin{array}{c} K^{P_{k-1}} \\ \omega(P) \\ P_{k-1} \\ L_k(P) \\ (P_k, \omega(P_k)) \end{array}$$

$$\begin{array}{l} K_l^{P_k} \\ \omega(P) \\ P_k \\ R_{k-1}(P) \\ (P_k, \omega(P_k)) \\ L_k(P) \\ (P_{k-1}, \omega(P_{k-1})) \\ I \\ [P_{k-1}, P_k] \\ R_{k-1}(P) \\ L_k(P) \\ P = \\ P' \end{array}$$

$$\begin{array}{c} P' \in \\ (P_{k-1}, P_k) \\ I^* \\ P' \\ I \\ [P_{k-1}, P_k] \end{array}$$

$$\begin{array}{c} [P_l, P'] \\ [P', P_r] \\ (P, \omega(P)) \\ P \in \\ I^* \\ \omega(P) \\ P \\ \omega(P) \\ \omega_1(P) \\ \alpha(s) \leq \\ c_0(s, 1) + \\ P \\ \omega(P) \\ P \\ S' \subseteq \\ S \setminus \\ \{V\} \end{array}$$

$$\begin{aligned} & \{1\}, \{2\}, \dots, \{v\} \\ & \bar{\alpha}(\cdot, P) \\ & \tau(P) \\ & \max_{\alpha \in R^v} \{ \alpha(V, P) : \\ & \alpha(s, P) \leq \end{aligned}$$