

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

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

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

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

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

$$\begin{array}{l} \{1\},\{2\},\ldots,\{v\}\\ \bar{\alpha}(\cdot,P)\\ \tau(P)\\ \max_{\alpha\in R^v}\left\{\alpha(V,P):\right.\\ \left.\alpha(s,P)\leq\right.\\ \left.\left(\frac{1}{1+\alpha(s,P)}\right)^{\frac{1}{\alpha(s,P)}}\right\}\end{array}$$