

$$\begin{array}{l} \omega(P)\\ \overline{P}\\ I^*=\\ \{P_L,P_H\}\\ I\\ \{[\overline{P}_L,P_H]\}\\ I\\ I^*\\ I\\ I^*\\ P_0<\\ P_1<\\ \vdots<\\ P_q\\ P_0=\\ P_L,P_q=\\ P_{\underline{H}}\\ q\\ |I^*|-\\ 1\\ I\\ [P_{k-1},P_k]\\ 1\leq\\ k\leq\\ q\\ R_{k-1}(P)\\ L_k(P)\\ R_{k-1}(P)\\ (P_{k-1},\omega(P_{k-1}))\end{array}$$

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

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

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

$$\begin{array}{l} [P_l,P']\\ [P',P_r]\\ (P,\omega(P))\\ P\in\\ I^*\\ \omega(P)\\ P\\ \omega(P)\\ P\\ S'\subseteq\\ S\backslash\\ \{N\}\end{array}$$

$$\begin{array}{l} \{1\},\{2\},\ldots,\{v\}\\ \bar{\alpha}(\cdot,P)\\ \tau(P)\\ \max_{\alpha\in R^n}\left\{\alpha(N,P):\right.\\ \left.\alpha(s,P)\leq\right.\\ \left.c(s)+\right.\\ \left.P,s\in\right.\\ \left.\mathcal{S}\right\}.\\ \emptyset\neq\\ \min\left\{c(s)+\right.\\ \left.P-\right.\\ \left.\bar{\alpha}(s,z):\right.\\ \left.\forall s\in\right.\\ \left.S\backslash\right.\end{array}$$