

$$\begin{array}{l}
(k,k+1)\\
P_i\\
\omega^*(P)\\
??\\
\omega(P)\\
c_0(V)+m(V)P+\\
\sum_{s\in S\backslash\{V\}}-\rho_s[c_0(s)+m(s)P]\\
m(V)+\sum_{s\in S\backslash\{V\}}\rho_sm(s)\\
\rho\\
\{\rho:\\\sum_{s\in S\backslash\{V\}:k\in s}\rho_s=1\text{ for all }k\in V, \text{ and } \rho_s\geq 0\text{ for all }s\in S\backslash\{V\}\}\\
m(s)\\
\omega(P)\\
m(V)\\
m(V)\\
\omega^*(P)\\
??\\
\omega^*(P)\\
m(V)\\
\acute{\omega}(P)\\
\hat{R}\\
\hat{P}\\
\hat{P}\in[0,P^*]\\
??\\
\hat{P}\\
\acute{\omega}(P)\\
c_0(V)+m(V)P+\\
\sum_{s\in S\backslash\{V\}}-\rho_s[c_0(s)+m(s)P]\\
\acute{\omega}(P)\\
\sum_{s\in S\backslash\{V\}}\rho_sm(s)\\
\acute{\omega}(P)\\
P\in[0,P^*]\\
\acute{\omega}(P)\\
\acute{\omega}(P)\\
\acute{\omega}(P)\\
P^*\\
\omega^*(P)\\
S_1,S_2,\ldots,S_n\\
S_i\\
i-1\\
S_1\\
1\\
0
\end{array}$$

$$S_1=S_2+\cdots+S_n=\sum_{i=2}^nS_i.$$

$$(n-1)\sum_{s\in S\backslash\{V\}}\rho_s\geq\sum_{k\in V}\sum_{s\in S\backslash\{V\}:k\in s}\rho_s=n.$$

$$\begin{array}{l}
\rho_s\\
(n-1)\\
\rho_s>0\\
n-1\\
1\\
n-1\\
1\\
\binom{n}{n-1}
\end{array}$$

$$\{\alpha_1+\alpha_2+\cdots+\alpha_{n-1}=x_1\alpha_1+\alpha_3+\cdots+\alpha_n=x_2\alpha_2+\alpha_3+\cdots+\alpha_n=x_n.$$

$$n\alpha_1+$$