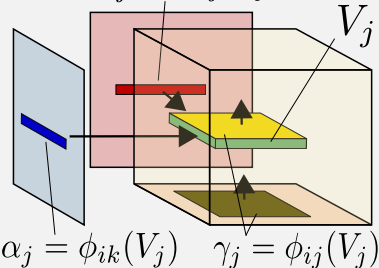


Maximize ρ_j

$$\beta_j = \phi_{kj}(V_j)$$



$$\alpha_j = \phi_{ik}(V_j)$$

$$\gamma_j = \phi_{ij}(V_j)$$

$$|V_j| \leq \sqrt{|\alpha_j||\beta_j||\gamma_j|}$$

$$\text{Dom}(V_j) = \alpha_j \cup \beta_j \cup \gamma_j$$

$$|\alpha_j| + |\beta_j| + |\gamma_j| \leq S$$