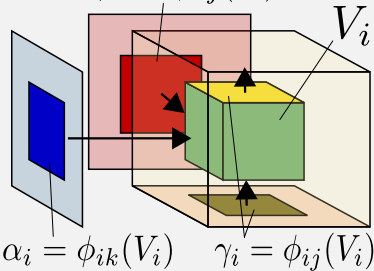


Maximize $|V_i|$

$$\beta_i = \phi_{kj}(V_i)$$



$$|V_i| \leq \sqrt{|\alpha_i||\beta_i||\gamma_i|}$$

$$Dom(V_i) = \alpha_i \cup \beta_i \cup \gamma_i$$

$$|\alpha_i| + |\beta_i| + |\gamma_i| \leq S$$