

$$\min z = \frac{\sum_{i=1}^n (X_i A_i + 15 A_i + 12)}{\sum_{i=1}^n (A_i)}$$

s.t.

$$0 \leq A_i \leq 1,$$

$$\sum_{i=1}^n (A_i) > 0$$

$$X_i > 0,$$

$$i = 1, 2, \dots, n$$