

Rules

Cols Ordering

$$\text{Score}_i = 1000 \cdot P + 100 \cdot \log(1 + |\text{Obj}_i|) + 10 \cdot \sum (\log(1 + |\delta_j|) + 10 \cdot \#occurrences)$$

Components

1. Type Priority (P):

Assign priorities to variable types:

- **Binary Variables** ($VType = \text{Binary}$): $P = 3$
- **Integer Variables** ($VType = \text{Integer}$): $P = 2$
- **Continuous Variables** ($VType = \text{Continuous}$): $P = 1$

2. Objective Coefficient ($|\text{Obj}_i|$):

Variables with larger absolute contributions to the objective function should have a higher score.

Rows Ordering

$$\text{Score}_j = 1000 \cdot P + 100 \cdot \log(1 + |\text{RHS}_j|) + 10 \cdot \sum (\log(1 + |\gamma_j|) + 1 \cdot \log(1 + |\text{Range}_j|))$$

Components

1. Type Priority (P):

Assign priorities to variable types:

- $> : P = 3$
- $= : P = 2$
- $< : P = 1$

2. RHS ($|\text{RHS}_j|$):

RHS variables with larger absolute contribution should have a higher score.

3. Row Coefficient ($|\gamma_j|$):

Row variables with larger absolute contributions should have a higher score.