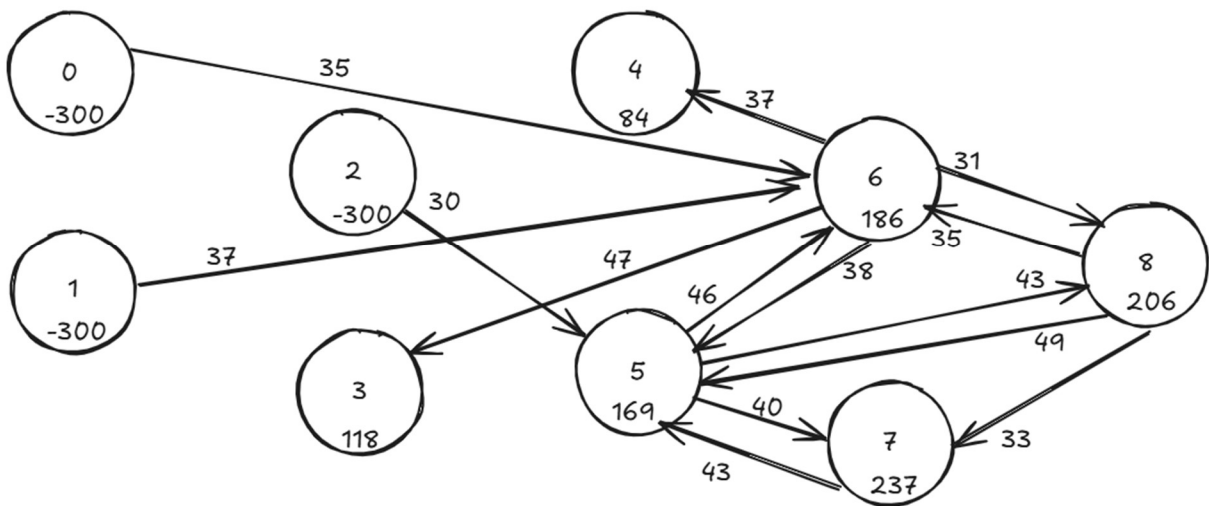


Module 06 – Transshipment Problem

Exploratory Data Analysis

In this section, you should perform some data analysis on the data provided to you. Please format your findings in a visually pleasing way and please be sure to include these cuts:



Model Formulation

MIN: $35X_{06} + 37X_{16} + 30X_{25} + 46X_{56} + 40X_{57} + 43X_{58} + 47X_{63} + 37X_{64} + 38X_{65} + 31X_{68} + 43X_{75} + 49X_{85} + 35X_{86} + 33X_{87}$

Flow Constraints:

$$-X_{06} \leq -300$$

$$-X_{16} \leq -300$$

$$-X_{25} \leq -300$$

$$-X_{56} - X_{57} - X_{58} + X_{25} + X_{65} + X_{75} + X_{85} \leq 169$$

$$X_{63} + X_{64} - X_{65} - X_{68} + X_{06} + X_{16} + X_{56} + X_{86} \leq 186$$

$$-X_{75} + X_{57} + X_{87} \leq 237$$

$$-X_{85} - X_{86} - X_{87} + X_{58} + X_{68} \leq 206$$

Model Optimized for Minimal Transportation Cost

