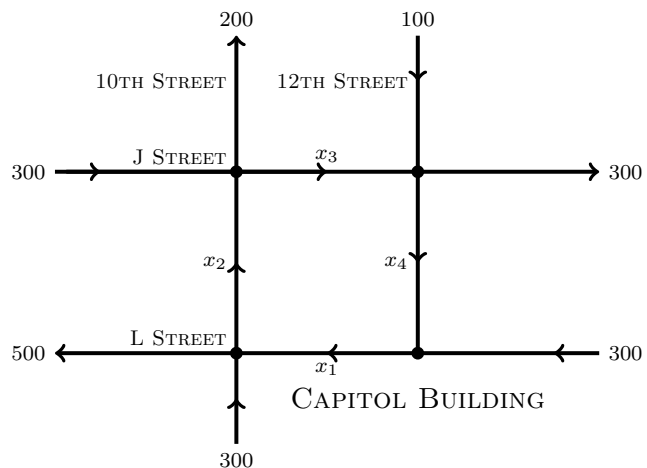


04 – Applications

1. The network below shows the approximate traffic flow in vehicles per hour over various one-way streets in downtown Sacramento near the capitol building.



- (a) Determine the general flow pattern.

- (b) What is the smallest possible value for x_1 ? Why?

- (c) Suppose that $x_4 = 150$. Determine the values for the remaining roads.