

The Metro/Journey Graph

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Abstract

In this paper, I describe the Metro/Journey Graph.
The paper ends with “The End”

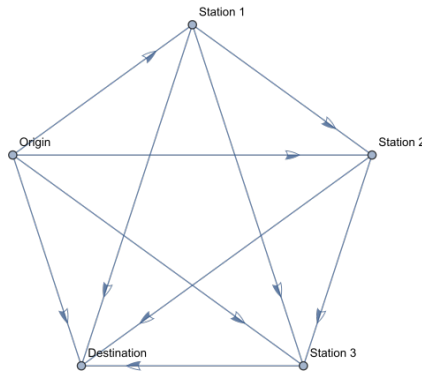
Introduction

The Metro/Journey Graph is one of the most useful directed graphs in economics
as a mechanism to capture thieves.

In this paper, I describe the Metro/Journey Graph.

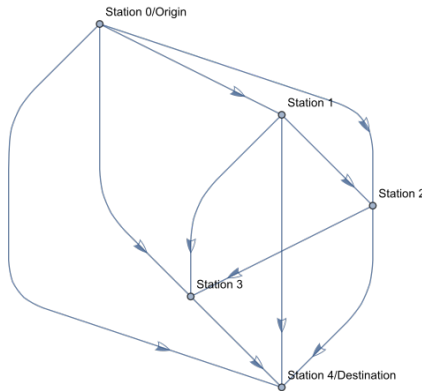
The Metro Graph

The Metro Graph is:



The Journey Graph

The Metro Graph can also be viewed as a Journey Graph:



The Logic of the Metro/Journey Graph

The Metro/Journey Graph has five vertices. The first vertex is the Origin of the Journey. There are three Stations in between the Origin and the Destination, which is also the fourth Station.

Excluding the Origin, the remaining $4 = 2 \times 2$ Stations can be considered as a 2×2 matrix of a Prisoner's Dilemma game.

Thus, the Metro/Journey Graph functions as a mechanism to capture thieves.

Accompanying Questions

1. Is developing a Metro in a city moral, legal and legitimate?
2. Does the answer to the question above change when the Metro Operator is not of domestic origin?
3. Is developing a Metro in a city fascism?

The End