

# **An Idealized process of transport development**

**Transportation and spatial process**

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- Development of transport network increases the connectivity and accessibility in a region.
- Extension of transport network is the process of spatial development.
- Spatial development process is related with economic, social and political factors.
- So there is no perfect ideal universal model.

# Taaffe presented an idealized process of transport development:

1. Scattered Ports
2. Port concentration and Penetration
3. Inter-connection
4. Origin of trunk lines

## 1. Scattered Ports:

- There are so many small ports and trade centers are scattered on coastline at initial development stage of transport network.
- They own have their limited hinterlands and having minimum inter connection.
- They are least connected with internal centers of a region.
- All ports are independent and regional specialization is not found there.



## **2. Port concentration and Penetration:**

It is the critical stage of the development of transport network.

Inter connections started between the ports and internal centers.

Internal Centers connected with internal linkages.

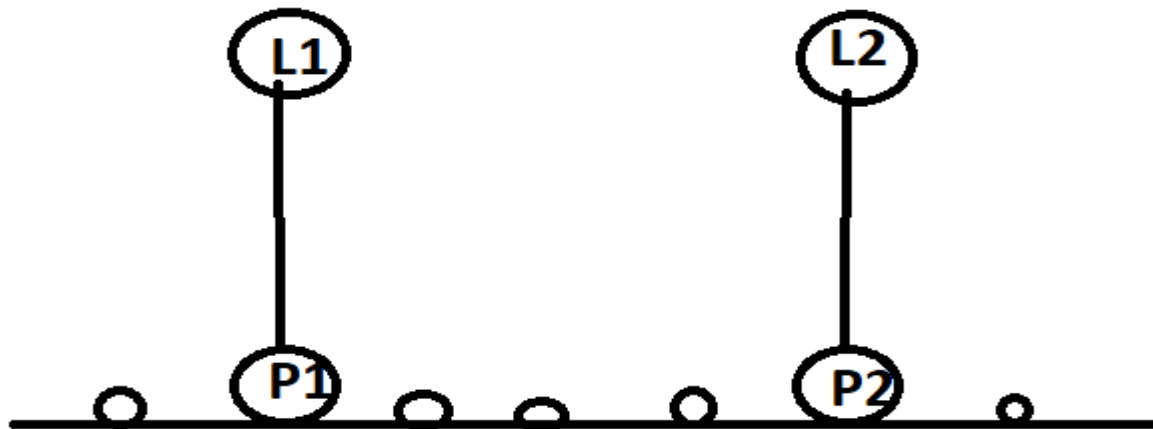
Hinterland of few ports increased and regional specialization germinated.

Internal connections occurred due to :

- to control coastal centers by political and strategic plans.

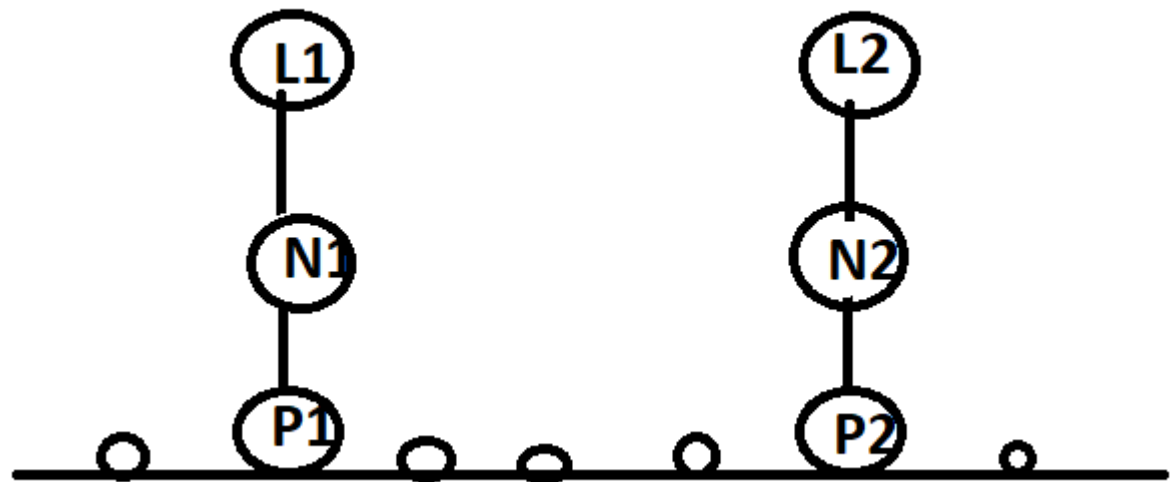
- to reach at mineral resources locations or places.

- to reach at agricultural production locations or places.



- Some ports are well connected with their hinterland because transportation cost is less here. Trading started here and some specialization will started here.
- Internal route will developed and spatial process will started. By this, relative location of all centers will be transferred.
- Gradually feeder lines will developed. Some ports will developed more because of its cumulative profits and big ports overlapped to smaller ones.

- By this, activities concentrate on few major big ports and they become more large. Coastal transportation increased.
- Transportation and trade happens only by one or two major ports and other small ones declined.

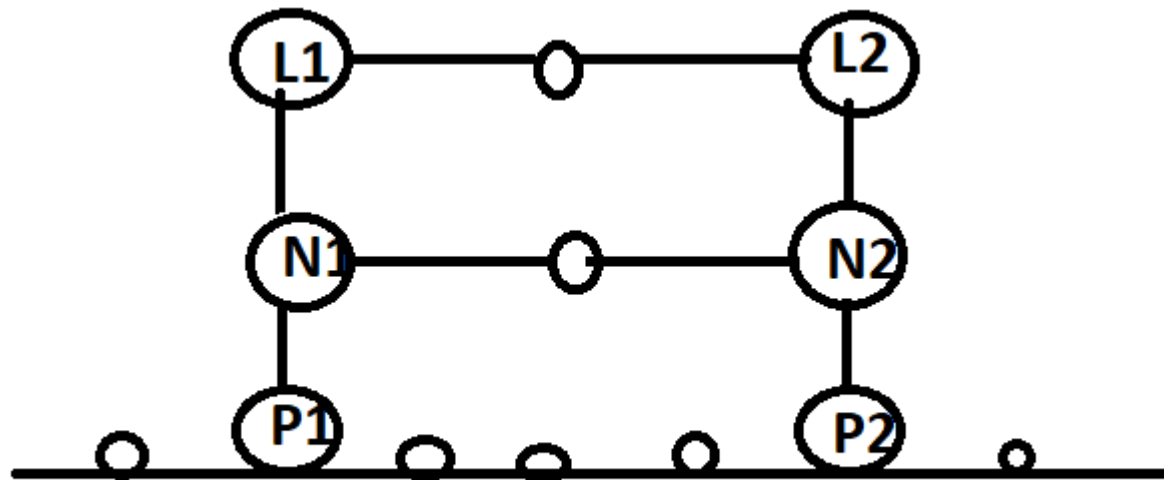


### **3. Inter Connection:**

- In this stage, the connection between major ports and internal hinterland started.
- Small centers or nodes and feeder lines developed by this.
- Few centers become major points.
- Lateral connection started.
- All major ports, internal major nodes and newly originated terminal nodes are well connected now.

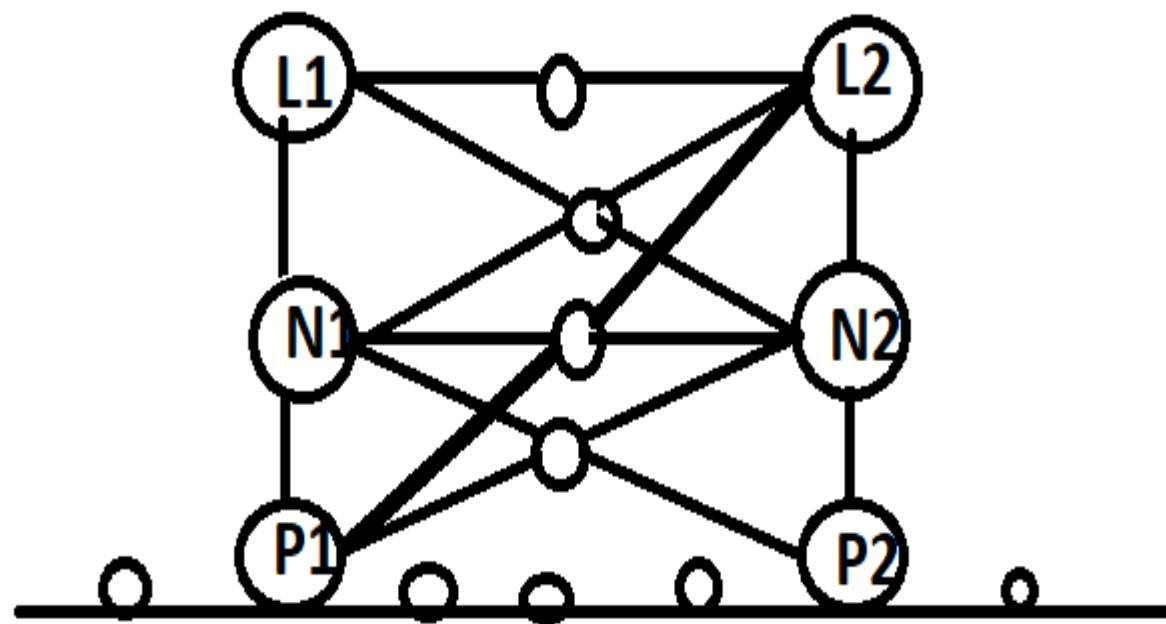


- Competition started between all centers.
- Only those centers will survive or sustain, where maximum cumulative profit gained.
- Demand of better transportation will increased.



## **4. Origin of Trunk Lines:**

- Competition occurred between major nodes and linkages after the stage of inter connection.
- Concentration of linkages increased.
- Few lines get maximum flow and they become trunk lines of a region.
- These trunk lines connects the major nodes of a region.



# THANK YOU

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