

PostTracking System

Postal Management System

Focus

- Package Routing
- Package by passing "down" nodes.

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Glossary

Distribution Center - Facility where packages are inserted, delivered or temporary storage.
Vehicle - Used for transporting packages between Distribution Centers.
Nodes - A predetermined "sequence" of nodes which will repeat consistently in the future.
Journey - Representation of a single route.
Package - The object to be control and delivery.
Customer - The owner of the package.

Package Route

- Based on predetermined vehicle routes.
- Each route is repeated some time in the future (which is called "journey").
- The system seeks and shows all possible "journeys" for each package.
- Commercial aviation
- The flights are already created based on "business demand".
- Passengers are added to different flights using connections between their origin and destination.

Choosing Routes

After choosing the route, the system seeks for each journey, repeating the route in a cycle and any connection to be in the future.

Therefore, but not show the smallest path in the first part.

How it Works



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Focus

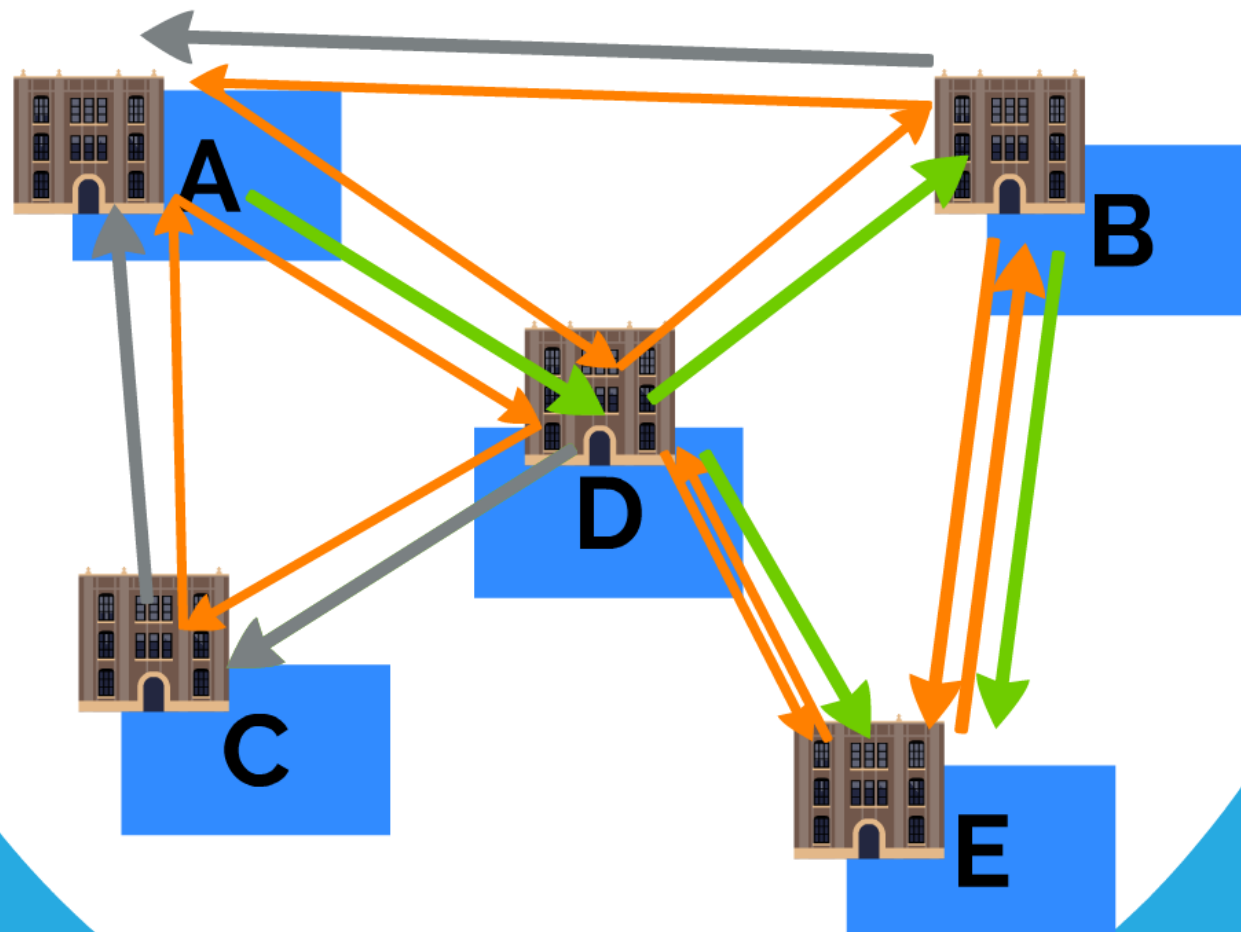
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How it Works



Choosing Routes

- After discovering the viable paths, the system looks for each "journey" capacity.
- Vehicle capacities are expressed in terms of Weight and Volume

That means that not always the smallest path is the best path!



Glossary

Distribution Center - Facility where packages are inserted, delivered or temporarily storage.

Vehicle - Used for transporting packages between Distribution Centers.

Routes - A predetermined itinerary for vehicle which will repeat consistently in the future.

Journey - Representation of a single route.

Package - The artifact to be carried and delivery.

Customer - The owner of the package(s).