

COMPUTACIÓN Y ESTRUCTURAS DISCRETAS I

Integrantes

- Juan Camilo González Torres
- Gabriel Esteban Restrepo Giraldo

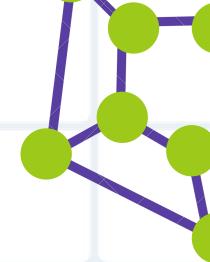


TAREA INTEGRADORA 3
GRAFOS





SELECCIÓN DEL TEMA



Se planteó el desarrollo de un software que simulara el recorrido que lleva a cabo una empresa de envíos a domicilo.



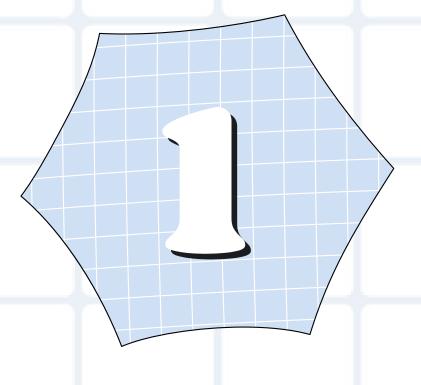
TEORÍA DE GRAFOS

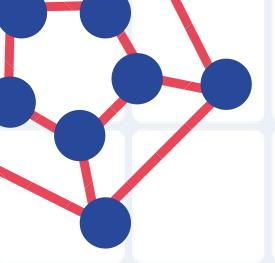


ALGORITMOS



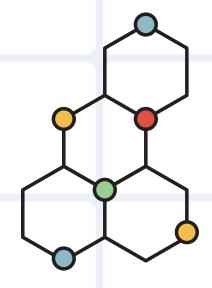
IMPLEMENTACIÓN







PLANTEAMIENTO DEL PROBLEMA



MARCO TEÓRICO

ALGORITMOS



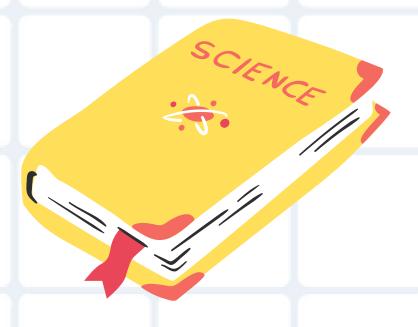
RECORRIDO DFS

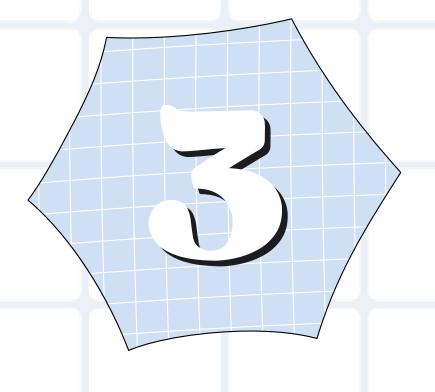
DIJKSTRA

FLOYD WARSHALL

PRIM

KRUSKAL

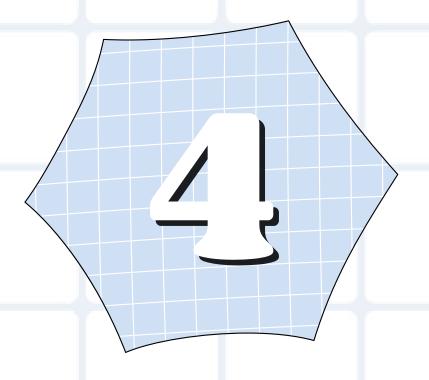




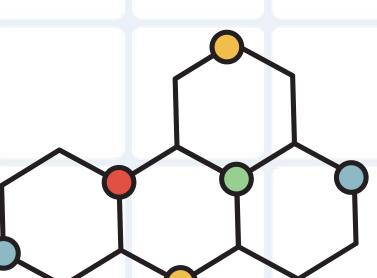


IDEAS

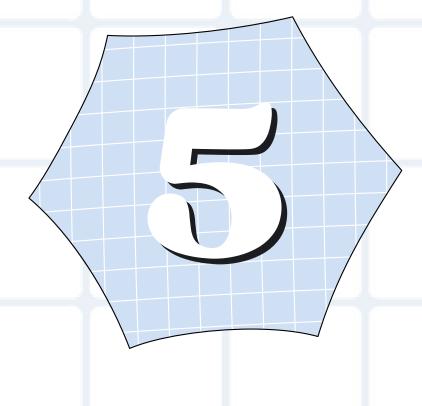
- RECORRIDO BFS
- RECORRIDO DFS
- **OIJKSTRA**
- FLOYD WARSHALL
- PRIM
- KRUSKAL



IMPLEMENTACIÓN









FAST & SECURE

QUANTITY OF HOUSES

Adjacency by:

Matrix List



START



FAST & SECURE

QUANTITY OF HOUSES

Adjacency by: Matrix List





START



FAST & SECURE

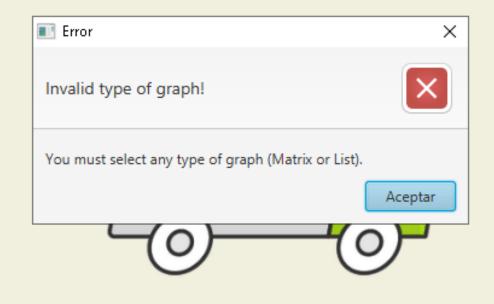
QUANTITY OF HOUSES

Adjacency by:



Matrix List

START

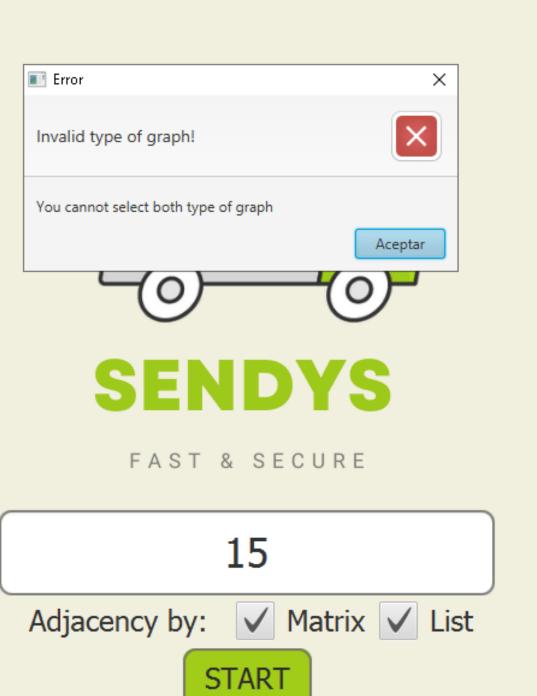


SENDYS

FAST & SECURE

Adjacency by: Matrix List

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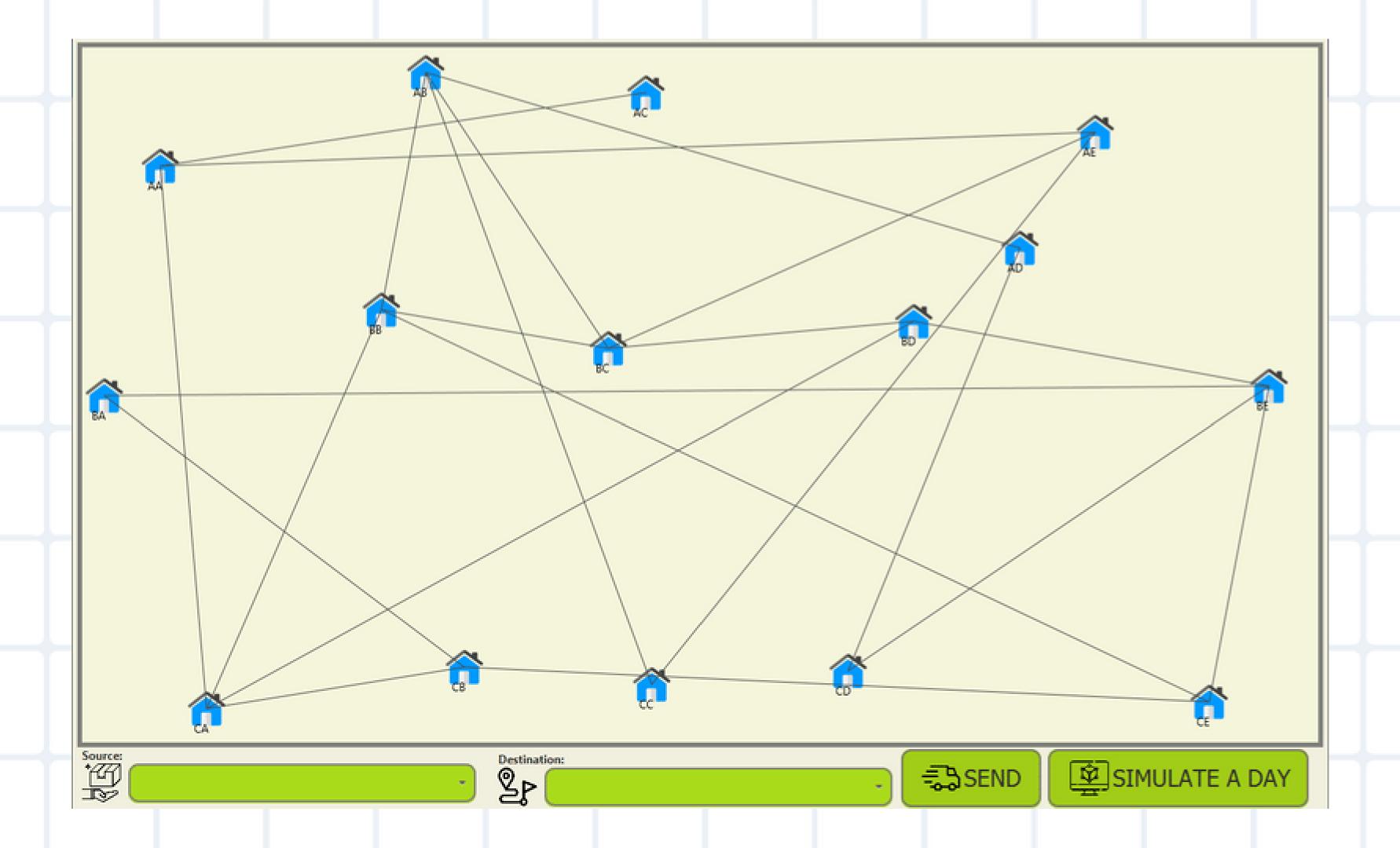


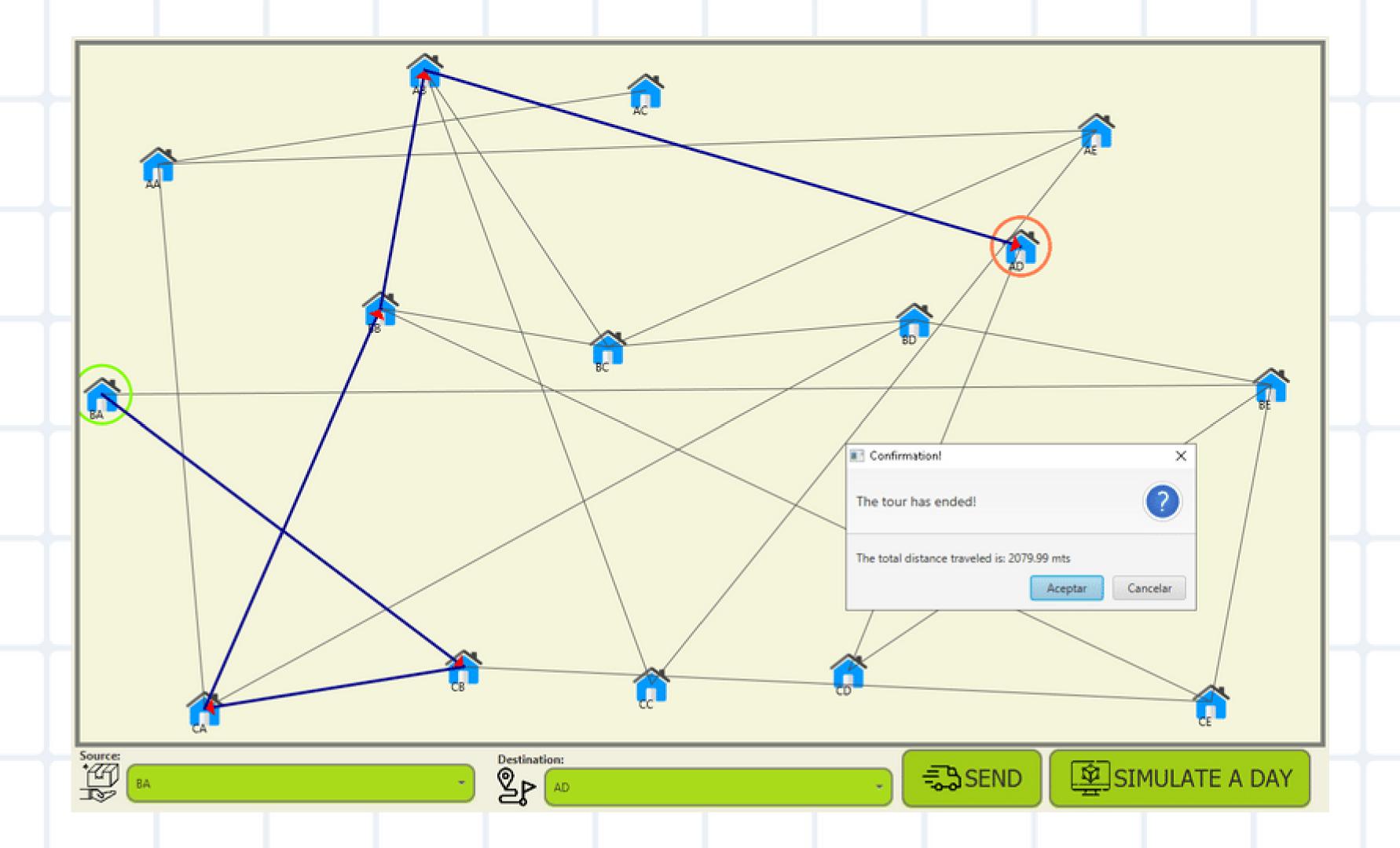


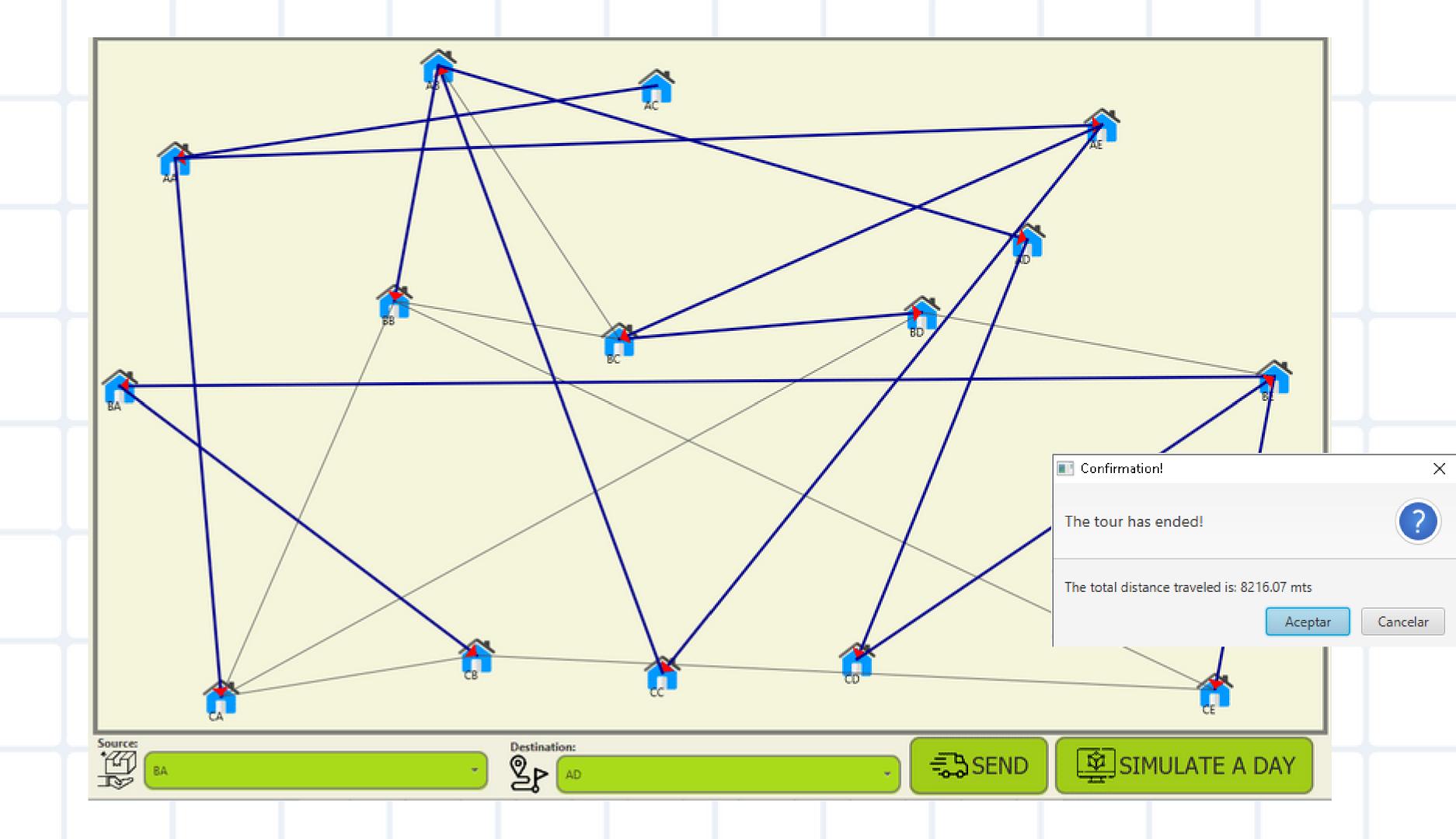
FAST & SECURE

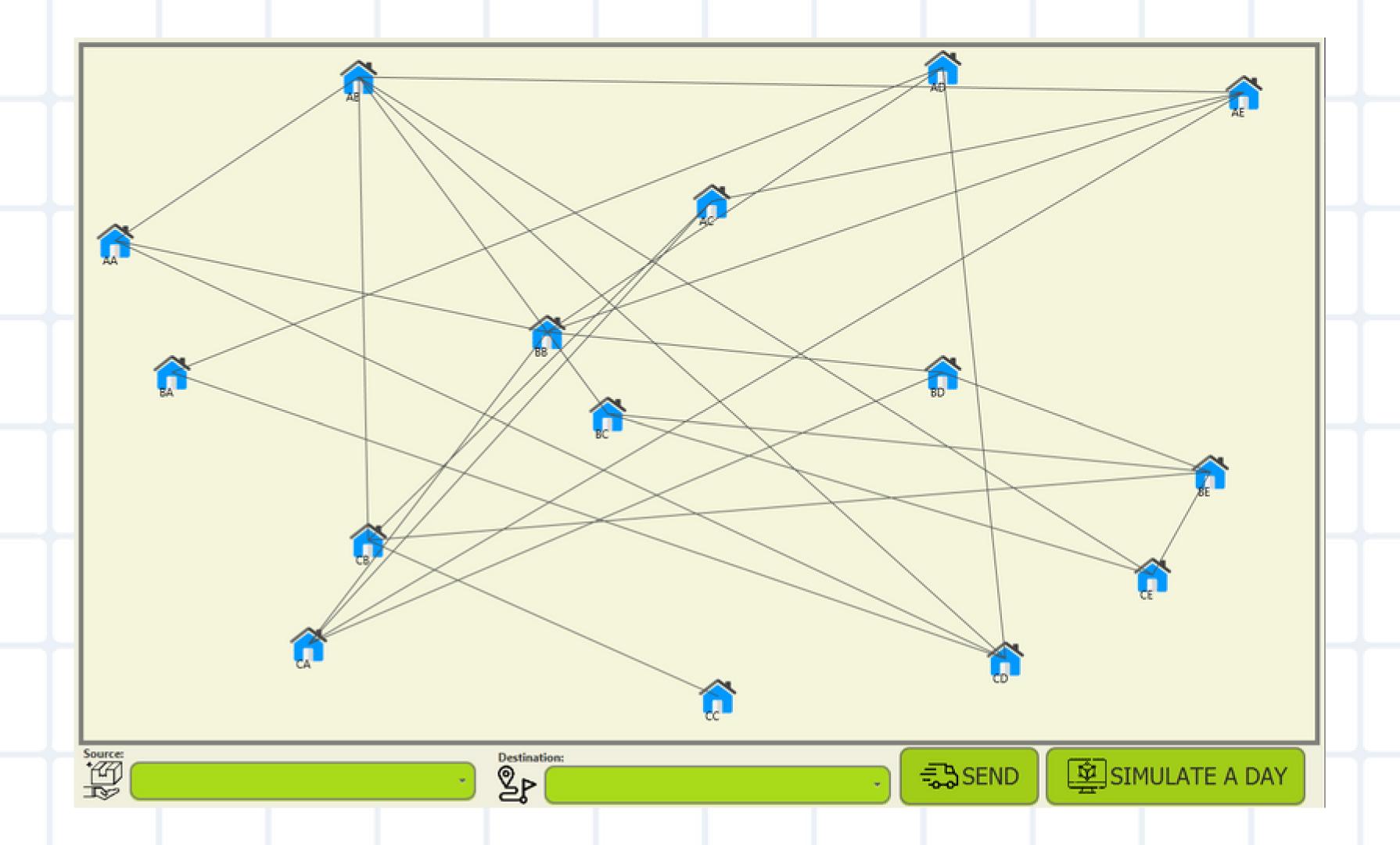
Adjacency by: Matrix List

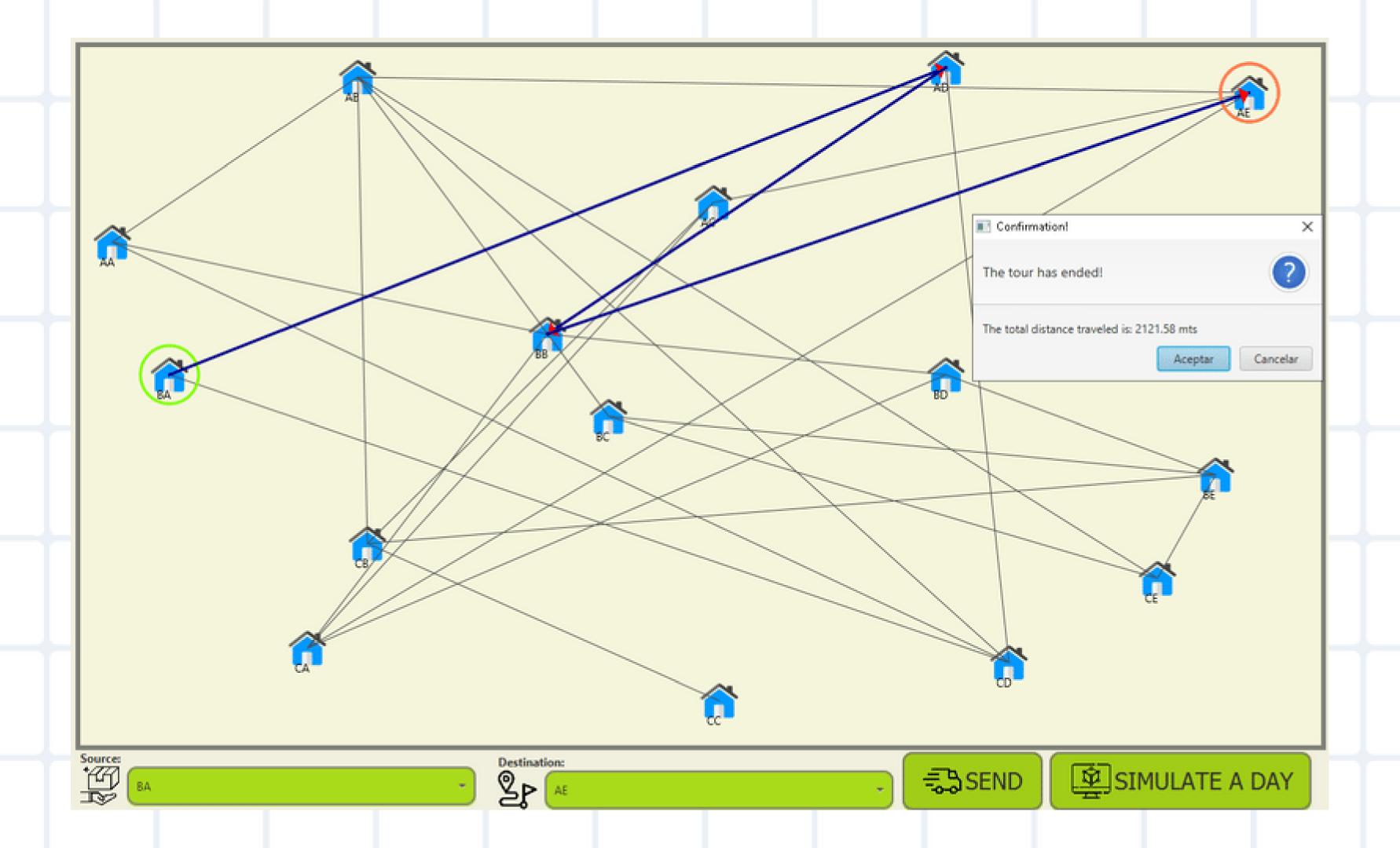
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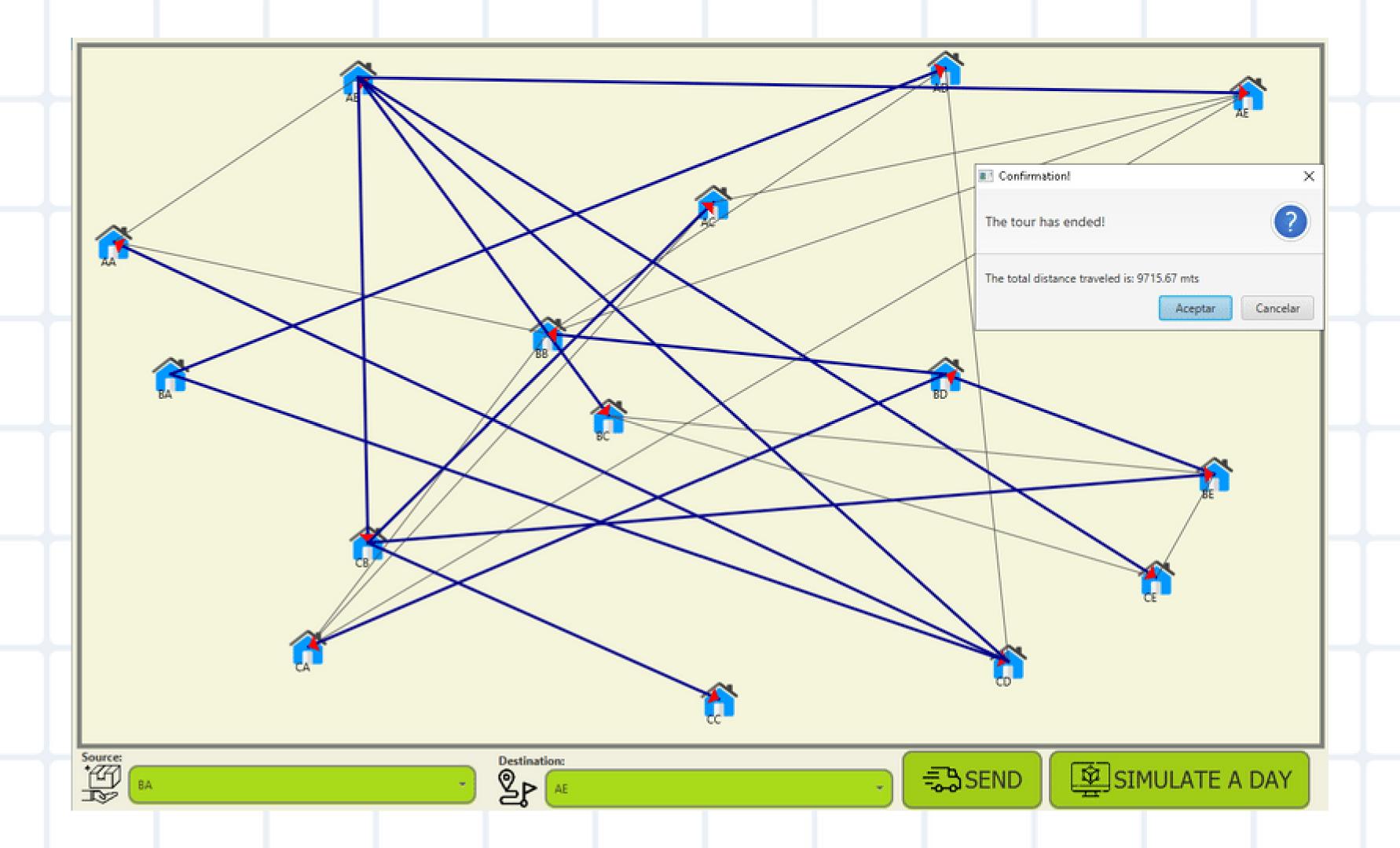


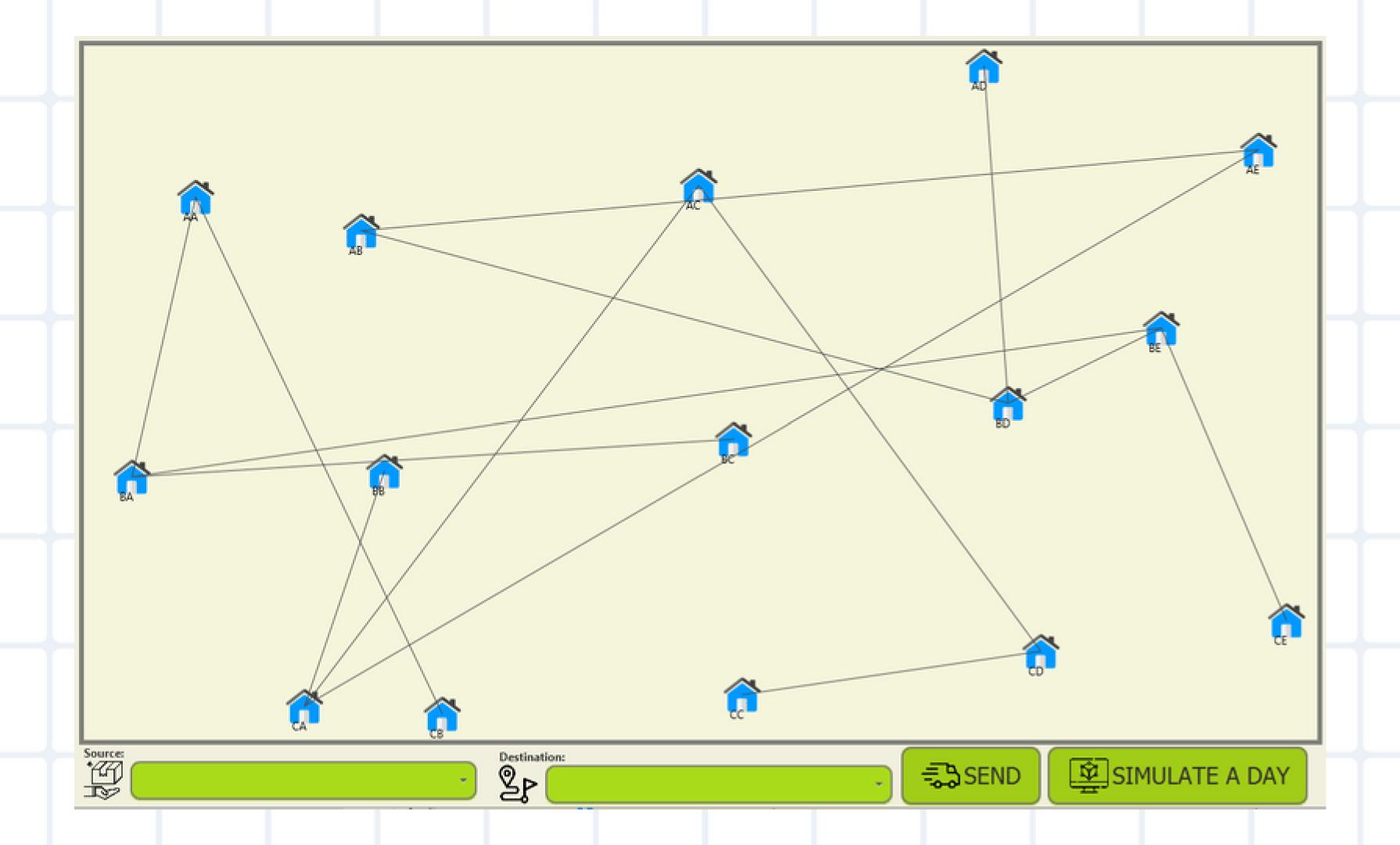


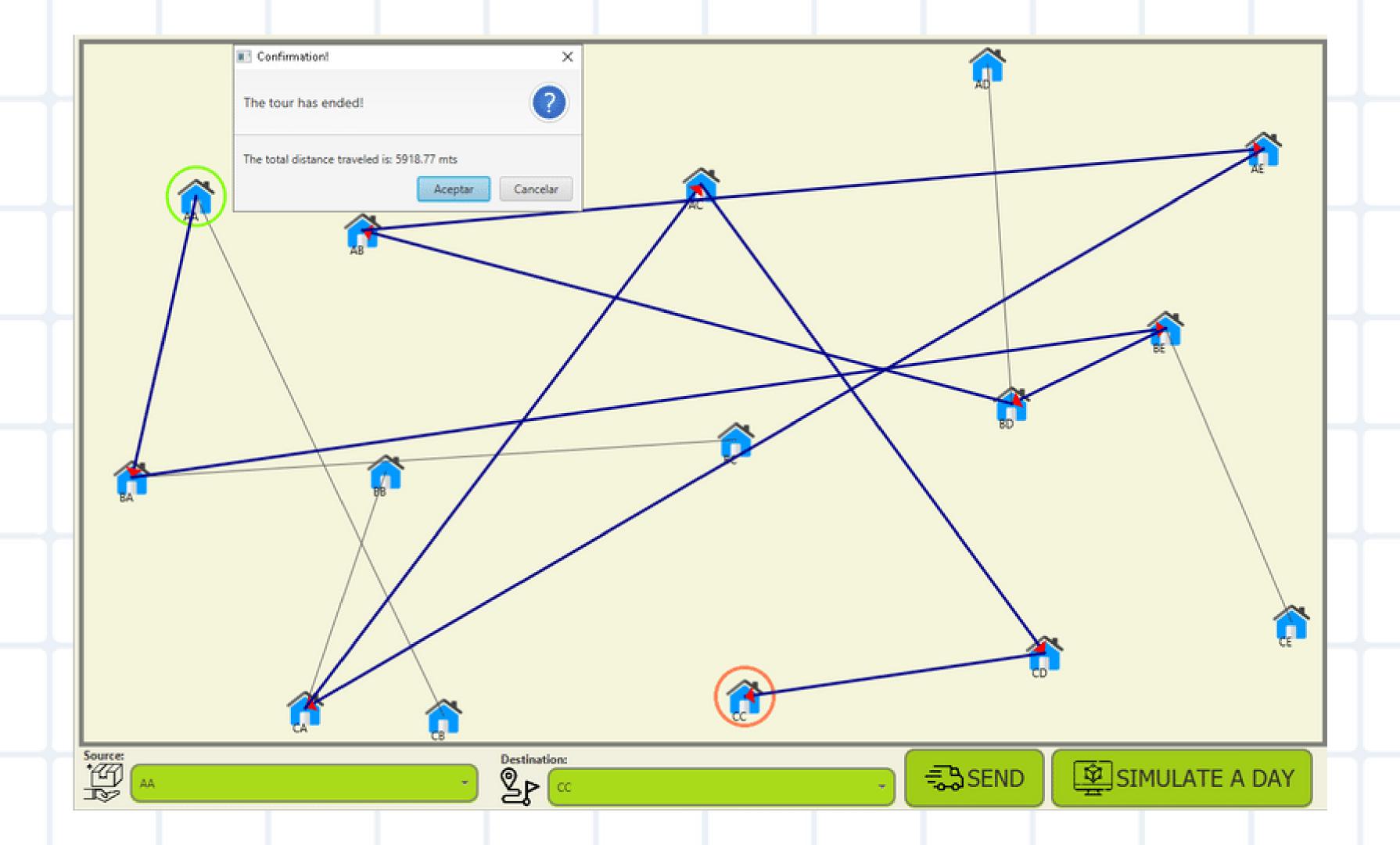


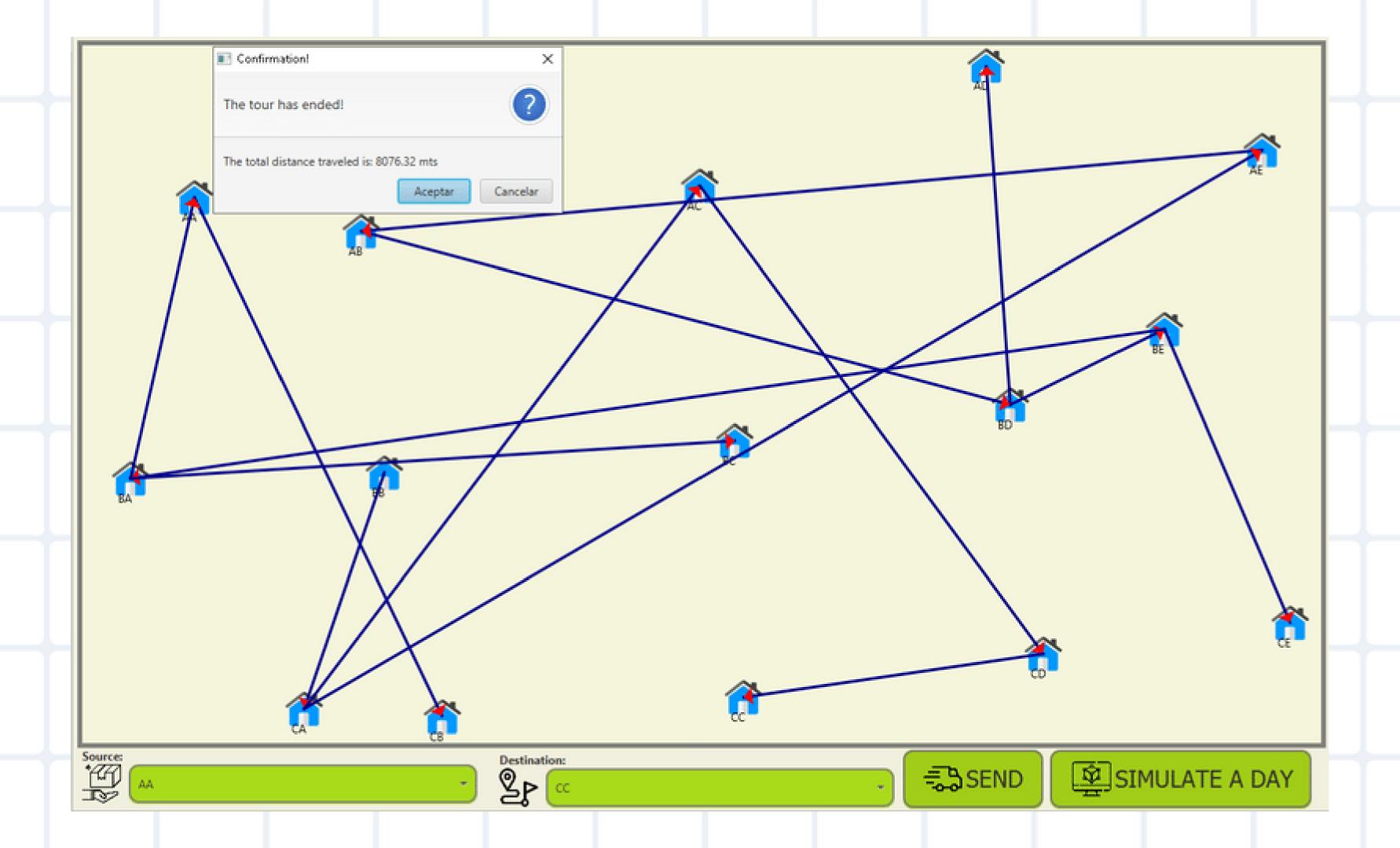


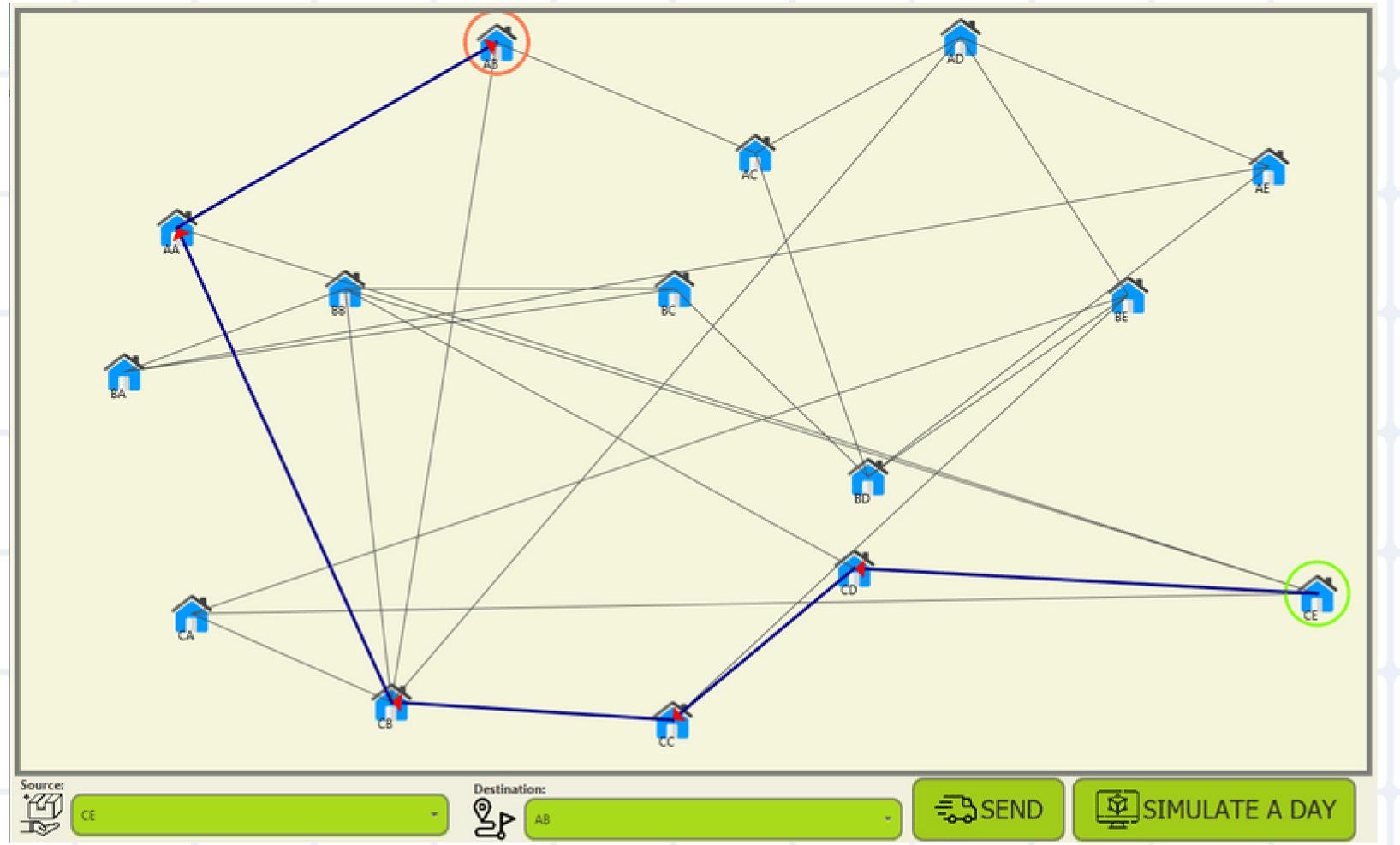


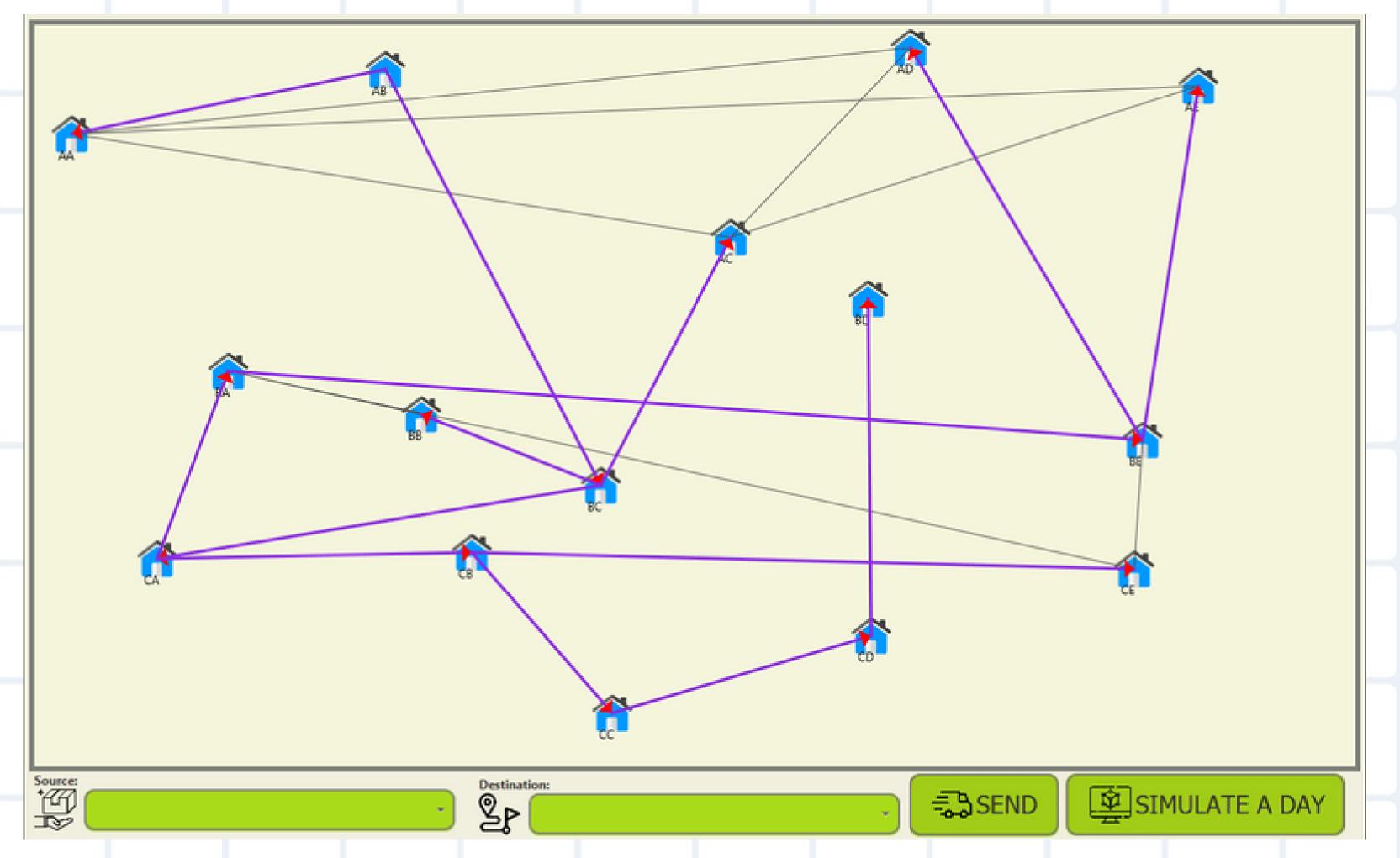






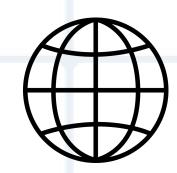








REFERENCIAS



SITIOS WEB



- http://163.10.22.82/OAS/recorrido_grafos/bfs__recorrido_ en_amplitud.html (BFS-Recorrido en amplitud)
- http://163.10.22.82/OAS/recorrido_grafos/dfs__recorrido_en_profundidad.html#:~:text=Un%20Recorrido%20en%20profundidad%20(en,recorrido%20preorden%20de%20un%20%C3%A1rbol (DFS-Recorrido en profundidad)
- https://www.ecured.cu/Algoritmo_de_Dijkstra (Ecured, Algoritmo de Dijkstra)
- https://es.wikipedia.org/wiki/Algoritmo_de_Floyd-Warshall (Algoritmo de Floyd-Warshall)

