SearchConnection(searchParameters)

Operation Contract: SearchConnection(searchParameters sp)
Preconditions:

- searchParameters sp is valid (it is a combination of attribute within connection => example: departureCity and firstClass price)
- Sorting parameter in searchParameters is valid (example: price or duration)
- Sorting sortType in searchParameters is valid (example: ascending)

Postconditions:

- A list of Connection objects that match the query is returned.
- No existing objects are modified.
- An instance of Connections c was created.
- c was associated with Sorter.
- c was associated with the list of connections
- c was associated with Calculator
- c was associated with IndirectFinder
- Attribute of c were initialized.
- Connections are reordered according to the specified criteria.
- No new objects are created.
- No associations are modified.

GetIndirectConnections(searchParameters)

Operation Contract: GetIndirectConnections (searchParameters sp)
Preconditions:

- searchParameters sp is valid (it is a combination of attribute within connection => example: departureCity and firstClass price)
- Sorting parameter in searchParameters is valid (example: price or duration)
- Sorting sortType in searchParameters is valid (example: ascending)

Postconditions:

- A list of of list of Connection objects that match the query is returned where the first connection of a list has the departure city and the last connection has the arrival city.
- No existing objects are modified.
- An instance of Connections c was created.
- c was associated with Sorter.
- c was associated with the list of connections

- c was associated with Calculator
- c was associated with IndirectFinder
- Attribute of c were initialized.
- Connections are reordered according to the specified criteria.
- No new objects are created.
- No associations are modified.