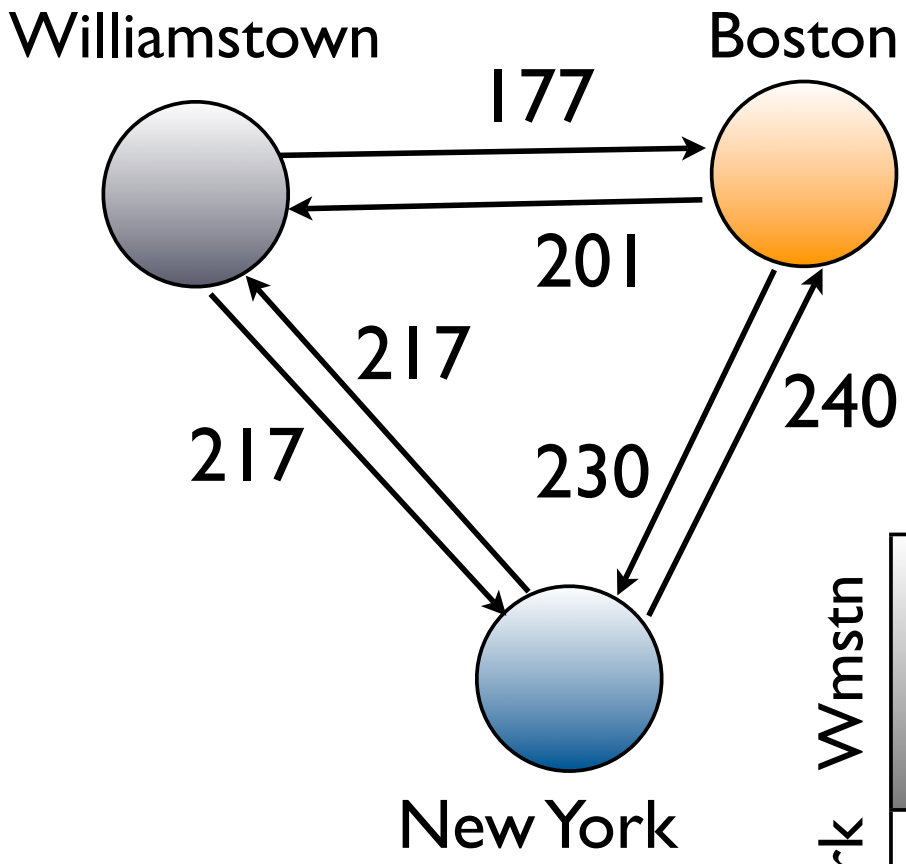

FROM \ TO	Wmstn	New York	Boston
Wmstn	0	217	177
New York	217	0	240
Boston	201	230	0

```
ShortestPath(v0, goal)
  visited = Set containing v0
  Q = Priority queue containing all paths out of v0

  While true
    shortest = removeSmallest(Q)
    Let last = last vertex in shortest
    visited.insert(last)
    If last = goal then return shortest
    For each adjacent vertex v to last
      If (v ∉ visited)
          Q.insert(shortest + v)
```

Dijkstra, E. W. "A Note on Two Problems in Connection with Graphs." Numerische Math. 1, 269-271, 1959.

Interface	Purpose	Example
EdgeLabel	Properties of edges, e.g., distance in miles	Integer
LabelComparator	Knows how to combine and compare labels.	combine = + compare = >
PathComparator	Determines which ArrayList<Edge> is "shorter"	Add up all distances and apply >