Project 4 Report

MyMap: associate()

If there are S Nodes, then associate() runs in O(log S)

MyMap: find()

If there are S Nodes, then find() runs in O(log S)

AttractionMapper: init()

If there are S StreetSegments and A Attractions, then init() runs in O(S\*A)

AttractionMapper: getGeoCoord()

If there are A Attractions, then getGeoCoord runs in O(log A)

SegmentMapper: init()

If there are S StreetSegments and A Attractions, then init() runs in O((S + A) \*log(S+A))

SegmentMapper: getSegments()

If there are S StreetSegments and A Attractions, then getSegments() runs in O(log(S+A))

Navigator: navigate()

If there are S StreetSegments and A attractions, then navigate() runs in O((S+A)\*log(S+A)