get data	
start node or er	nd node not in the graph
set the path to "NO PATH"	
set the path costs to infinity return	
	node or end node is empty
Т	
set the path to "NO PATH"	
set the path costs to infinity	Ø
return	
generate a list of all node candidates	
set the initial node (successor) path costs to zero set the initial node (successor) path list to empty	
while length of candidates list > 0	
try to pop the node with the minimum path	
costs from the candidates list	
	candidate is equal to the id of the end node
T	F
append end node id to the path of min candidate	Ø
break	
append the min candidate to the poped list	
the id of min candidate is	
of the min	Candidate
append the id of the min candidate to its path list	set the path to "NO PATH"
	set the path costs to infinity
	break
try to assign (update) the refreshed path of min candidate in the list of candidates	
foreach key in the adjacency of the min candidate	
	ck if the key is not n the list of poped nodes
Т	F
call updateNode(startNode, nextNode)	
generate a sub dictionary from the start node	
	tes list are higher than
	of the start node in the poped plus the current edge costs
assign the lower costs to the path costs	
of the next node in the candidates list	ø