def read\_graph\_from\_file\_work\_4(filename: str):  
 file\_descriptor = open(filename, 'rt')  
 line = file\_descriptor.readline()  
 line = line.strip()  
 line = line.split(" ")  
 graph = TripleDictGraph()  
  
 while len(line) > 0:  
 if len(line) == 1:  
 """  
 If there is only one vertex on a line, it means that it is isolated  
 """  
 graph.add\_vertex(line[0])  
 else:  
 graph.add\_vertex(line[0])  
  
 if line[1] == '-':  
 graph.add\_vertex(line[1])  
 graph.dictionary\_cost[(line[1], line[0])] = int(line[2])  
  
 else:  
 if ',' in line[1]:  
 predecessors = line[1].split(',')  
 for i in predecessors:  
 graph.add\_vertex(i)  
 graph.dictionary\_in[i].append(line[0])  
 graph.dictionary\_out[line[0]].append(i)  
 graph.dictionary\_cost[(line[0], i)] = int(line[2])  
 else:  
 graph.add\_vertex(line[1])  
 graph.dictionary\_in[line[1]].append(line[0])  
 graph.dictionary\_out[line[0]].append(line[1])  
 graph.dictionary\_cost[(line[0], line[1])] = int(line[2])  
  
 line = file\_descriptor.readline().strip()  
 file\_descriptor.close()  
 return graph