	Dijk stua's shortestpath algorithm. Shawar
	import sys
	class Graph ()
	def-init (Sf, weetices):
	Self. V = beerlices.
	Seef geaph- [Lo for column in vange (westice)
	for evoue in Change (westices)
	def print Solution (self, dist):
1.3 .	print "Vutex t Mistance fun Couruna")
374	for node in wange (self. 1).
	print node, "\t", dist[nde]
301	for V un viange (seef. V):
Anna N	min = dist[v] and Spt Set[v] == False:
180	hin_index=V
12	of etellow win judy
	dist- [sys-maxint] & Self.v
	dist [Syc] =0
	SptSet = [False] + Self. V
	Lor ount in wan on (Sell.V)
	11 = Sell min Distance (distanted)
	Sh+ Set (u)= tour.
	Lou V in mange (set V)
0	is self geraph (v) (v) = 12 and 5/60/1/2
	False and distr > distribered
	dust [v] = dist[v]+Self. qualify Tolog
	by print Solution (dist)
9	= 0 Graph (9).
10	9-geight = [6,4,0,0,0,0,0,0,0,0]
	[HO8 000
	[0,810,7,n,n,n,n,n,n,n,n,n,n,n,n,n,n,n,n,n,n,
	11111111111111
1	