

Give the shortest paths from E to all other vertices using Dijkstra's algorithm. Your results must be shown in the table below.

	A	B	C	D	F	G	H	I
	+ 33	+ 18	+ 33	+ 33	+ 18	+ 23	+ 18	+ 23
	+ 12	+ 36	+ 4				+ 24	+ 21
Total Path Length	45	54	37	33	18	23	42	44

The last line in your table gives the least cost to go from E to all other vertices. In the table below show the actual path in the following format: E, Vertex_1, Vertex_2, etc.

E to A	E, D, A
E to B	E, F, B
E to C	E, D, C
E to D	E, D
E to F	E, F
E to G	E, G
E to H	E, F, H
E to I	E, G, I