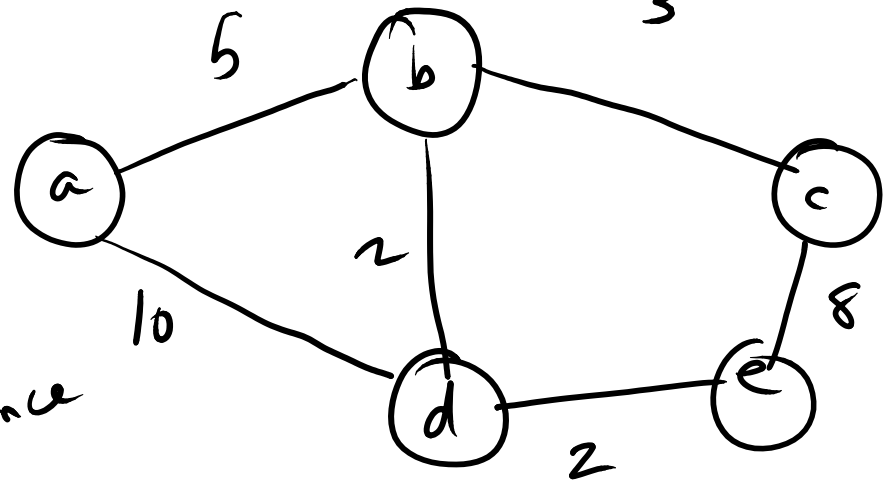
a) Find single location that minimizes farthest distance

b) Find two locations



shortest path distance

one location

	a	b	c	d	e	max distance
a	0	5	8	7	9	9
b	5	0	3	2	4	5 ← min
c	8	3	0	5	7	8
d	7	2	5	0	2	7
e	9	4	7	2	0	9

a) For one location b is optimal

b) For two locations a & b are optimal

two locations

min	distance	a	b	c	d	e	max dist
	a-b	0	0	3	2	4	4 ← min
	a-c	0	3	0	5	7	7
	a-d	0	2	5	0	2	5
	a-e	0	4	7	2	0	7
	b-c	5	0	0	2	4	5
	b-d	5	0	3	0	2	5
	b-e	5	0	3	2	0	5
	c-d	7	3	0	0	2	7
	c-e	8	3	0	2	0	8
	d-e	7	2	5	0	0	7