Question 2

	A	B	C	D	E	F
A	0	15	24	29	25	37
B	15	0	32	31	23	43
C	24	32	0	30	43	49
D	29	31	30	0	45	57
E	25	23	43	45	0	55
F	37	43	49	57	55	0

The edge weight between A and B is the smallest, so merge them

	AB	C	D	E	F
AB	0	28	30	24	40
C	28	0	30	43	49
D	30	30	0	45	57
E	24	43	45	0	55
F	40	49	57	55	0

The edge weight between AB and E is the smallest, so merge them

	ABE	C	D	F
ABE	0	33	35	45
C	33	0	30	49
D	35	30	0	57
F	45	49	57	0

The edge weight between C and D is smallest, so merge them

	ABE	CD	F
ABE	0	34	45
CD	34	0	53
F	45	53	0

The edge weight between ABE and CD is the smallest, so merge them

	ABECD	F
ABECD	0	48.2
F	48.2	0