## ② Question

Lets Consider Cluster Point
P1(1, 3) P2(2, 2) P3(5, 8) P4(8, 5)
P5(3, 9) P6(10, 6) P7(3, 3) P8(9, 4)
P9(3, 7)

find dietance 6/w all the points and the Centroids (C, Cz, Cq)

	Р	C1(P7)	C2(P9)	C3(P8)	C (Smaller one)
	P1	2	4.47	8.06	C1
	P2	1.414	5.09	7.28	C1
	Р3	5.38	2.23	5.6	C2
ı	P4	5.38	5.38	1.414	С3
ı	P5	6	2	7.81	C2
	P6	7.61	7.07	2.23	С3
	P7	0	4	6.08	C1
	P8	6.08	6.70	0	С3
	Р9	5	0	6.70	C2

# a front will belong to
that cluster
which is
closest to it.

Cluster  $1 = P_1$   $P_2$   $P_7$ Cluster  $2 = P_3$   $P_3$   $P_9$ Cluster  $3 = P_9$   $P_6$   $P_8$ 

Therefore 2 do the services  $C_1$  (2,2.7)

Therefore 2 do the services  $C_2$  (3.7,8)  $C_3$  (9,5)

Let street on 2 do the services  $C_3$  (9,5)

for literation 2 do the same procedure