	P_1	P_2	P_3	P_4	P_5	P_6
P_1	0	0.2357	0.2218	0.3698	0.3421	0.2347
P_2	0.2357	0	0.1483	0.2042	0.1388	0.2540
P_3	0.2218	0.1413	0	0.1513	0.2843	0.1100
P_4	0.3688	0.2042	0.1513	0	0.2932	0.2216
P_5	0.3421	0.1388	0.2843	0.2932	0	0.3921
P_6	0.2347	0.2540	0.1100	0.2216	0.3921	0

In single linkage the distance between two clusters is the minimum distance between the members of two clusters

So, here P_3 & P_6 forms the first cluster

	P_1	P_2	P_3P_6	P_4	P_5
P_1	0	0.2357	0.2218	0.3638	0.3427
P_2	0.2357	0	0.1483	0.2042	0.1398
P_3P_6	0.2218	0.1483	0	0.1513	0.2843
P_4	0.3688	0.2042	0.1513	0	0.2932
P_5	0.3421	0.1388	0.2843	0.2932	0

So here P_2 & P_5 forms the second cluster

	P_1	P_2P_5	P_3P_6	P_4
P_1	0	0.2357	0.2218	0.3688
P_2P_5	0.2357	0	0.1483	0.2042
P_3P_6	0.2218	0.1483	0	0.1513
P_4	0.3688	0.2042	0.1513	0

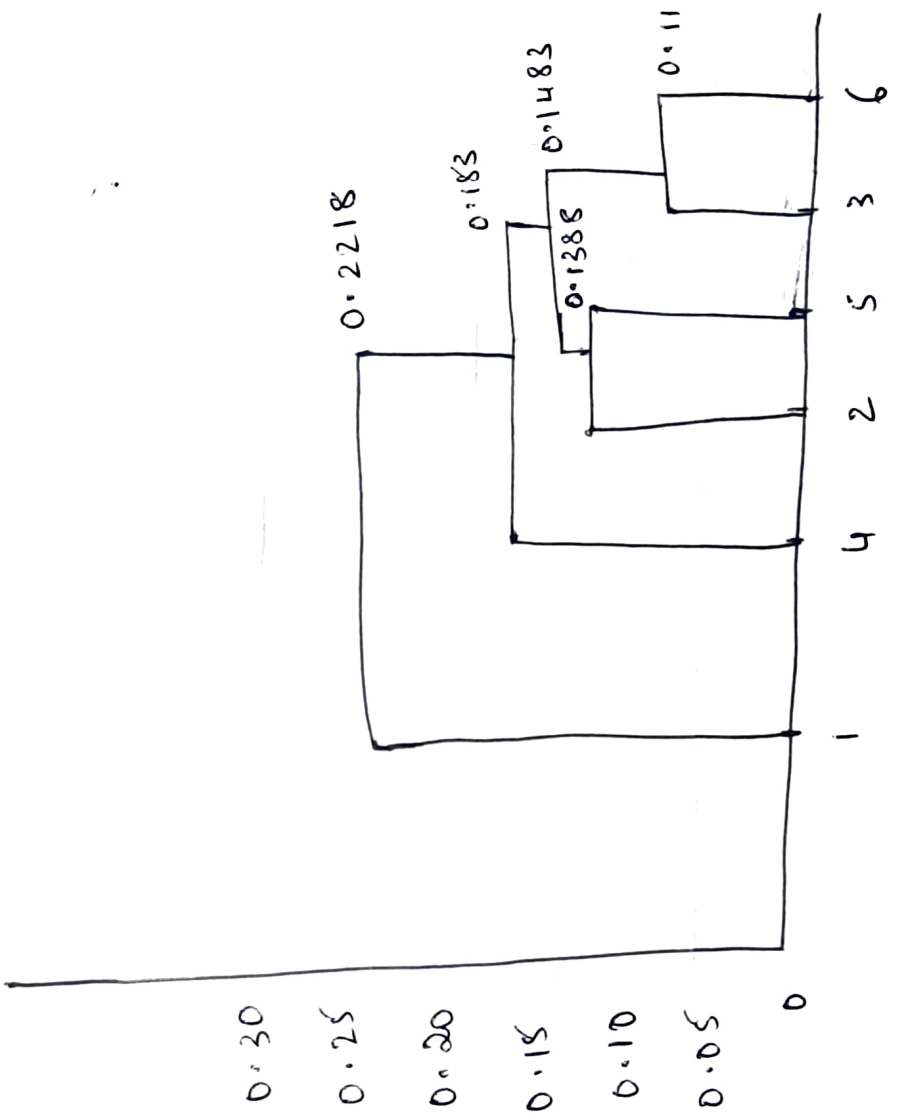
So, here P_2P_5 & P_3P_6 forms the third cluster

	P_1	$P_2P_5P_3P_6$	P_4
P_1	0	0.2218	0.3688
$P_2P_5P_3P_6$	0.2218	0	0.1513
P_4	0.3618	0.1513	0

So, here P_2P_5 P_3P_6 & P_4 forms the fourth cluster

	P_1	$P_2P_5P_3P_6P_4$
P_1	0	0.2218
$P_2P_5P_3P_6P_4$	0.2218	0

Single link proximity



	P_1	P_2	P_3	P_4	P_5	P_6
P_1	0	0.2357	0.2218	0.3688	0.3421	0.2347
P_2	0.2357	0	0.1483	0.2042	0.1388	0.254
P_3	0.2218	0.1483	0	0.1513	0.2843	0.11
P_4	0.3688	0.2042	0.1513	0	0.2932	0.2216
P_5	0.3421	0.1388	0.2843	0.2932	0	0.3921
P_6	0.2347	0.254	0.11	0.2216	0.3921	0

Complete linkage is the maximum distance blw the members of two clusters

here P_3 & P_6 forms the first cluster

	P_1	P_2	P_3P_6	P_4	P_5
P_1	0	0.2357	0.2347	0.3688	0.346
P_2	0.2357	0	0.254	0.2042	0.1388
P_3P_6	0.2347	0.254 ~~0.1483~~	0	0.2216	0.3921
P_4	0.3688	0.2042	0.246	0	0.2932
P_5	0.3421	0.1388	0.3921	0.2932	0

here P_2, P_5 form the second cluster

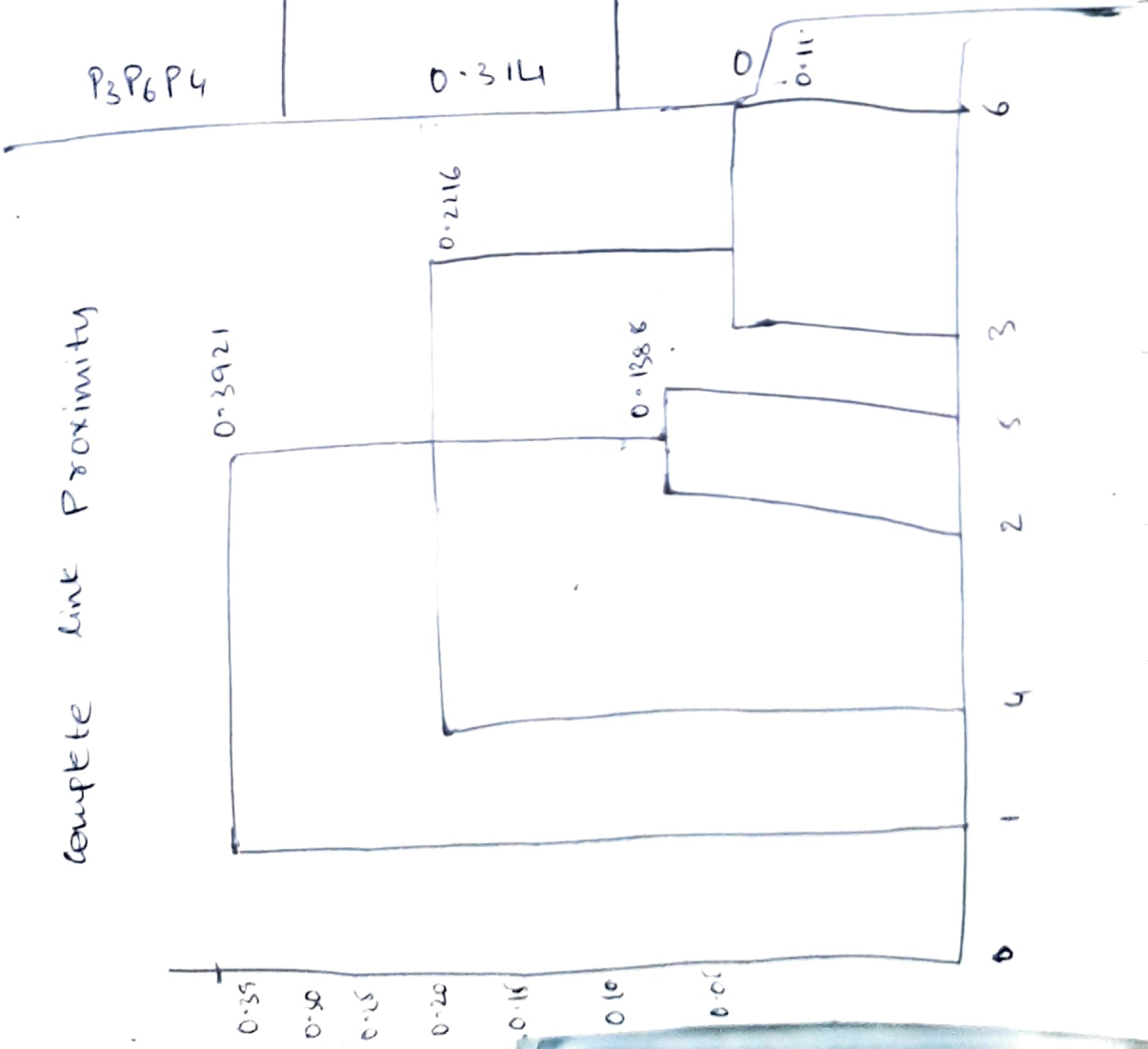
	P_1	P_2P_5	P_3P_6	P_4
P_1	0			
P_2P_5	0.3421	0	0.3921	0.2932
P_3P_6	0.2347	0.3921	0	0.2216
P_4	0.3618	0.2932	0.2216	0

here P_3P_6 & P_4 forms third cluster

	P_1	P_2P_5	$P_3P_6P_4$
P_1	0	0.3621	0.3688
P_2P_5	0.3621	0	0.3921
$P_3P_6P_4$	0.3688	0.3921	0

here P_1 & P_2P_5 forms fourth cluster

	$P_1P_2P_5$	$P_3P_6P_4$
$P_1P_2P_5$	0	0.39881
$P_3P_6P_4$	0.3144	0



In Average link proximity we use the average of the distance blw members of two clusters

	P_1	P_2	P_3	P_4	P_5	P_6
P_1	0	0.2357	0.2218	0.3688	0.3421	0.23
P_2	0.2357	0	0.1483	0.2042	0.1388	0.25
P_3	0.2218	0.1483	0	0.1513	0.2843	0.1
P_4	0.3688	0.2042	0.1513	0	0.2932	0.22
P_5	0.3421	0.1388	0.2843	0.2932	0	0.39
P_6	0.2347	0.254	0.11	0.2216	0.3921	0

here P_3 & P_6 forms the first cluster

	P_1	P_2	P_3P_6	P_4	P_5
P_1	0				
P_2	0.2357	0	0.20115	0.2042	
P_3P_6	0.22825	0.20115	0	0.18645	0.3382
P_4	0.3688	0.2042	0.18645	0	
P_5	0.3421	0.1388	0.3382	0.2932	0

here P_2 & P_5 forms the second cluster

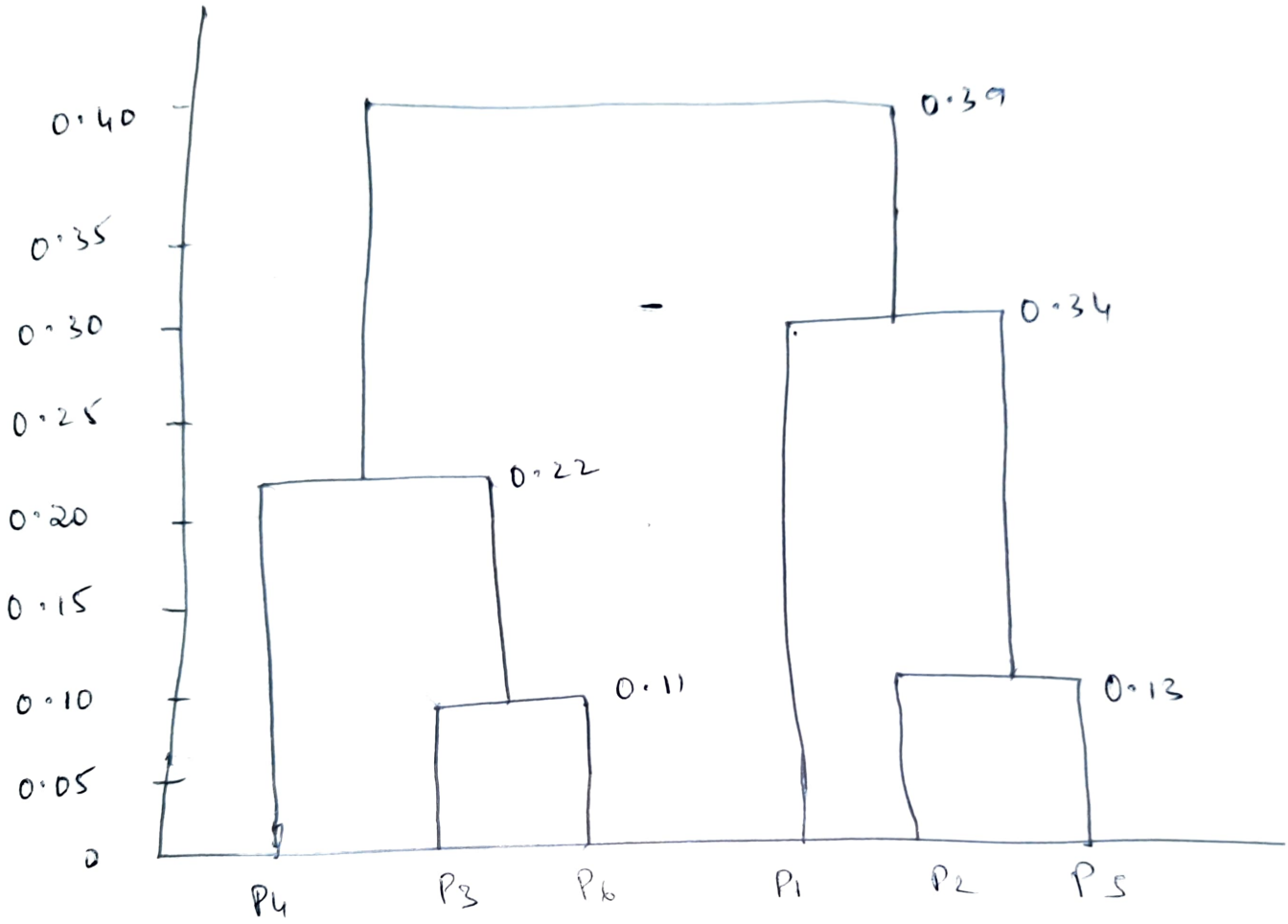
	P_1	P_2P_5	P_3P_6	P_4
P_1	0			
P_2P_5	0.2889	0	0.269675	0.2487
P_3P_6	0.2282	0.269675	0	0.18645
P_4	0.3421	0.2487	0.18645	0

here P_3P_6 & P_4 will form a cluster

	P_1	P_2P_5	$P_3P_6P_4$
P_1	0		0.2815
P_2P_5	0.2889	0	0.2591875
$P_3P_6P_4$	0.2815	0.2591875	0

here P_2P_5 & $P_3P_6P_4$ forms a cluster

	P_1	$P_2P_5P_3P_6P_4$
P_1	0	0.285
$P_2P_5P_3P_6P_4$	0.285	0



Complete Linkage