Exercise (Hierarchical clustering) Use the following distance matrix to construct an agglomerative hierarchical clustering. Each step, please show the Proximity matrix update & Dendrogram after the merging operation

     (a) Use Single-Linkage (MIN)

     (b) Use Complete-Linkage (MAX)

	p1	p2	p3	p4	p5
p1	1.00	0.10	0.41	0.55	0.35
p2	0.10	1.00	0.64	0.47	0.98
p3	0.41	0.64	1.00	0.44	0.85
p4	0.55	0.47	0.44	1.00	0.76
p5	0.35	0.98	0.85	0.76	1.00