IS6400 Week 8 Quiz

# Compute the distance matrix after merging Point 2 and Point 5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | P1 | P2 & P5 | P3 & P6 | P4 |
| P1 | 0 | 0.24 | 0.22 | 0.37 |
| P2 & P5 |  | 0 | **0.15** | 0.20 |
| P3 & P6 |  |  | 0 | 0.15 |
| P4 |  |  |  | 0 |

# According to the new distance matrix, which point(Cluster) will be merged next

Because P2&P5 have the minimum distance from P3&P6, while P2&P5 is farther from P4 in relative, “P3&P6” and “P2&P5” will be the primary choice.