

Homework

MAE 464/564

Due: November 14, 2007

<i>Machines</i>	<i>Components</i>							
	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
<i>M1</i>	1	1	1	1	1	1	1	1
<i>M2</i>	1	1	1	1	1	1	1	1
<i>M3</i>	1	1	1	1	1	1	1	1
<i>M4</i>	1	1	1	1	1	1	1	1
<i>M5</i>	1	1	1	1	1	1	1	1

1. Determine the Cells using Rank Order Clustering Method
2. Determine the similarity coefficients between all pairs of machines
3. Use single-linkage cluster analysis and develop a dendrogram
4. Study at least two cell configurations for each technique above and compare their efficacy by using Grouping Efficacy technique. Identify the best cells based on your analysis.