1) In an election between 5 candidates, 55 people have preferences as shown below. Who should win the election? Justify your answer.

<table>
<thead>
<tr>
<th>Number of votes</th>
<th>18</th>
<th>12</th>
<th>10</th>
<th>9</th>
<th>4</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>First choice</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
<td>E</td>
</tr>
<tr>
<td>Second choice</td>
<td>D</td>
<td>E</td>
<td>B</td>
<td>C</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>Third choice</td>
<td>E</td>
<td>D</td>
<td>E</td>
<td>E</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>Fourth choice</td>
<td>C</td>
<td>C</td>
<td>D</td>
<td>B</td>
<td>C</td>
<td>B</td>
</tr>
<tr>
<td>Fifth choice</td>
<td>B</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

3) Give an example of a “$2 \times 2$ game”. Describe the “best” solution, as well as what would probably happen when two people play this game.