Probability = $\frac{1}{1+20^3 \cdot \text{difference}}$

### Comparing Points Exchanged

<table>
<thead>
<tr>
<th>difference between team's Ratings</th>
<th>probability of higher rated team winning</th>
<th>points exchanged when higher rated team wins</th>
<th>points exchanged when lower rated team wins</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.500</td>
<td>0.050</td>
<td>0.050</td>
</tr>
<tr>
<td>0.05</td>
<td>0.610</td>
<td>0.039</td>
<td>0.061</td>
</tr>
<tr>
<td>0.10</td>
<td>0.711</td>
<td>0.029</td>
<td>0.071</td>
</tr>
<tr>
<td>0.15</td>
<td>0.794</td>
<td>0.021</td>
<td>0.079</td>
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<tr>
<td>0.20</td>
<td>0.858</td>
<td>0.014</td>
<td>0.086</td>
</tr>
<tr>
<td>0.25</td>
<td>0.904</td>
<td>0.010</td>
<td>0.090</td>
</tr>
<tr>
<td>0.30</td>
<td>0.937</td>
<td>0.006</td>
<td>0.094</td>
</tr>
<tr>
<td>0.35</td>
<td>0.959</td>
<td>0.004</td>
<td>0.096</td>
</tr>
<tr>
<td>0.40</td>
<td>0.973</td>
<td>0.003</td>
<td>0.097</td>
</tr>
<tr>
<td>0.45</td>
<td>0.983</td>
<td>0.002</td>
<td>0.098</td>
</tr>
<tr>
<td>0.50</td>
<td>0.989</td>
<td>0.001</td>
<td>0.099</td>
</tr>
<tr>
<td>0.55</td>
<td>0.993</td>
<td>0.001</td>
<td>0.099</td>
</tr>
<tr>
<td>0.60</td>
<td>0.995</td>
<td>0.000</td>
<td>0.100</td>
</tr>
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### Comparing Points Exchanged (MMP Sanctioned 80%)

<table>
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<tr>
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<th>probability of higher rated team winning</th>
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</thead>
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<td>0.040</td>
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<td>0.079</td>
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<td>0.001</td>
<td>0.079</td>
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<tr>
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<td>0.993</td>
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<td>0.079</td>
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<tr>
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</table>

### Comparing Points Exchanged (Unsanctioned 60%)

<table>
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<th>probability of higher rated team winning</th>
<th>points exchanged when higher rated team wins</th>
<th>points exchanged when lower rated team wins</th>
</tr>
</thead>
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<td>0.030</td>
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</tr>
<tr>
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<td>0.711</td>
<td>0.017</td>
<td>0.043</td>
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<tr>
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<td>0.012</td>
<td>0.048</td>
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<tr>
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<td>0.858</td>
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<td>0.051</td>
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<td>0.054</td>
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<td>0.937</td>
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<td>0.056</td>
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<tr>
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<td>0.959</td>
<td>0.002</td>
<td>0.058</td>
</tr>
<tr>
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<td>0.989</td>
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<tr>
<td>0.55</td>
<td>0.993</td>
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<td>0.060</td>
</tr>
<tr>
<td>0.60</td>
<td>0.995</td>
<td>0.000</td>
<td>0.060</td>
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</tbody>
</table>