### Inequality Proof

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<table>
<thead>
<tr>
<th>(Bank) Statements</th>
<th>Reasons (that don’t add up)</th>
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<tbody>
<tr>
<td>Welfare is better than nothing.</td>
<td>given</td>
</tr>
<tr>
<td>Nothing is better than wealth.</td>
<td>given (by society and the media)</td>
</tr>
<tr>
<td>Welfare is better than wealth.</td>
<td>transitive property</td>
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<tr>
<td>The rich love looking in the mirror.</td>
<td>reflexive property</td>
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<tr>
<td>Minimum wage is no living wage, so poor must seek ways to augment their pay.</td>
<td>definition of supplementary angles</td>
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<tr>
<td>$R - P &gt; 0$</td>
<td>given (gap between rich and poor)</td>
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<tr>
<td>$k &gt; 1$</td>
<td>given (growth rate of wealth)</td>
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<tr>
<td>$(R - P) \cdot k &gt; (R - P) \cdot 1$</td>
<td>multiplication property of inequality</td>
</tr>
<tr>
<td>$(R - P) \cdot k = Rk - Pk$</td>
<td>(re)distributive property</td>
</tr>
<tr>
<td>$Rk - Pk &gt; R - P$, which shows gap grows even when poor rise as fast as the rich: Gini’s out of the bottle!</td>
<td>substitution property</td>
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