SAMPLE GAME GENERATION 1
STEP 1: Predator/Prey Survival Rates

<table>
<thead>
<tr>
<th></th>
<th>BLACK</th>
<th>RED</th>
<th>PINTO</th>
<th>WHITE</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Number</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>Predators</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Hand</td>
<td>6</td>
<td>6</td>
<td>11</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Spoon</td>
<td>6</td>
<td>3</td>
<td>7</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Chopsticks</td>
<td>6</td>
<td>2</td>
<td>1</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>Total Captures, All Predator Groups</td>
<td>11</td>
<td>19</td>
<td>12</td>
<td>22</td>
<td>64</td>
</tr>
<tr>
<td>Remaining Prey</td>
<td>89</td>
<td>81</td>
<td>88</td>
<td>78</td>
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</tbody>
</table>

STEP 2: Predator Adjustments for Next Generation
1. Total number of prey captured by all groups = Average Number of Prey Captured
   Number of Groups
   \[
   \frac{64}{3} = 21.33 = 21
   \]
2. Groups with fewer than 21 captures lose members.
   Spoon group loses 1 member
   Chopsticks group loses 1 member
3. Groups with more than 21 captures gains members.
   Hand Group gains 2 members
4. New predator group numbers
   Hand \[6 + 2 = 8\]
   Spoon \[6 - 1 = 5\]
   Chopsticks \[6 - 1 = 5\]

STEP 3: Prey Adjustments for Next Generation
1. Remaining prey each reproduce 1 individual.
   Black Add 89 more individuals
   Red Add 81 more individuals
   Pinto Add 88 more individuals
   White Add 78 more individuals
2. Update prey numbers.

SAMPLE GAME GENERATION 2

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
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<td>New Numbers</td>
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<td></td>
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<tr>
<td>Chopsticks</td>
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<td></td>
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</tr>
<tr>
<td>Total Captures, All Predator Groups</td>
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<td></td>
<td></td>
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<tr>
<td>Remaining Prey</td>
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