Probabilities of [.1, .3, .6] and [.3, .3, .4]:

1. *Does the population settle down to being roughly the same between iterations?*

**Yes, to around 3,070,000 after 30 iterations.**

2. *Does the count of cells with 0, 1, 2, 3, and 4 cells settle down to be roughly the same between iterations?*

**Yes. They settle to the same as their past selves, but not each other, after about 40 iterations.**

3. *How long does it take to settle down?*

**The "big part" of the logarithmic growth stops at the 10th iteration and really stops making significant changes at the 40th.**

Probabilities of [.2, .3, .5] and [.4, .1, .5]:

1. *Does the population settle down to being roughly the same between iterations?*

**Yes, 30 iterations, 2.65 million.**

2. *Does the count of cells with 0, 1, 2, 3, and 4 cells settle down to be roughly the same between iterations?*

**Same as above.**

3. *How long does it take to settle down?*

**10 cycles for big growth to stop and 50 for more stability.**

Comparison of growth for all cells over 75 cycles:

Comparison of empty cells over 75 cycles:

Cells with 1 alga:

Cells with 2 algae:

Cells with 3 algae:

Maxed out cells: