

Community Growth Modeled By Intelligent, Thinking Systems – Alpha

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Experimental Method

The ITS-Alpha 5 program was used to develop the charts for evaluating growth. The growth parameters were set for coalition building and two central points were established (red boxes) to help coordinate development. The primary rules of development are 1) no group may isolate another group, completely surround another and 2) a group's development must form a link that is based on horizontal tracing, up-down or left-right. The program setup was set to use emulate all for this test.

Hypothesis

The hypothesis is that growth will cluster around the two predefined areas (red squares) and the predefined areas allow for each group to share as part of its' cluster, and to follow the development rules setup above. The second hypothesis is that each group will have at least one major development area with many smaller development areas.

Data Analysis

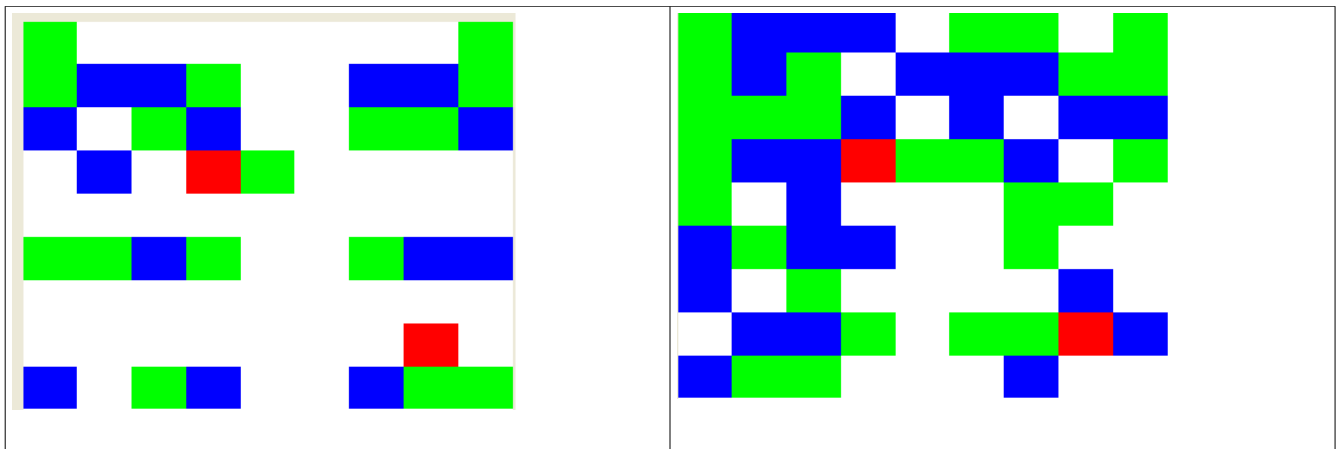
The project is ongoing and further data analysis will be published at another time.

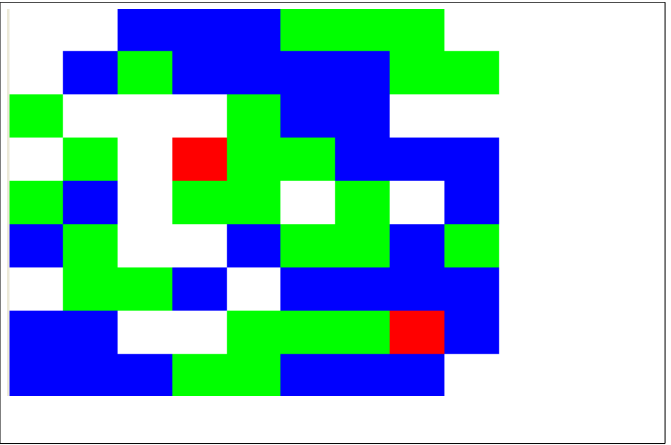
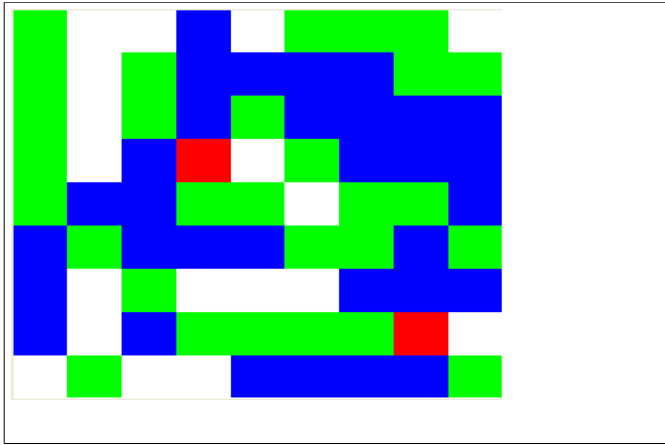
Results

The charts below show the effect of coalition building on two setup development points (red squares) with group 1 is in green, and group 2 is in blue.

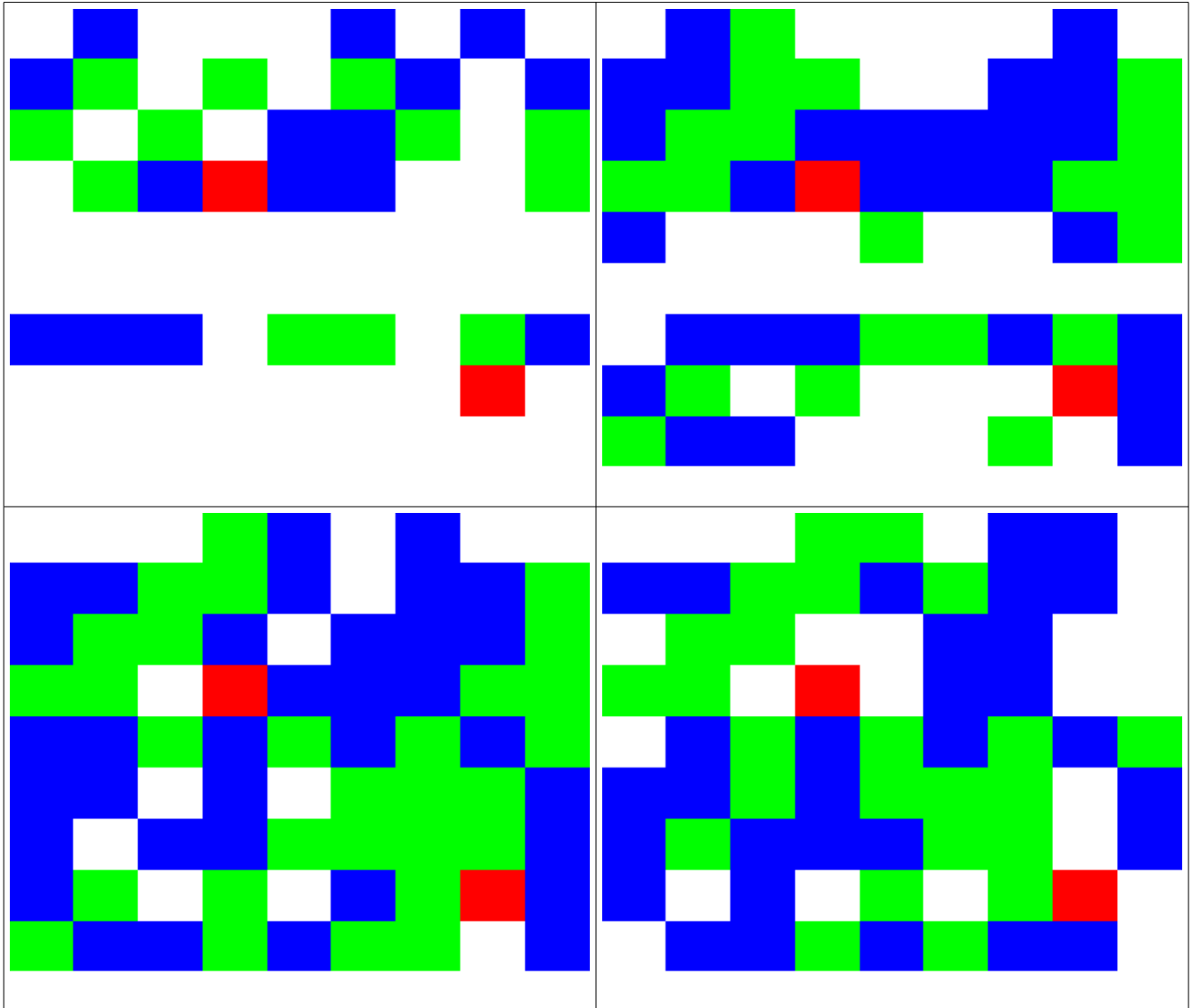
Experiment 1

Time 17, 40, 56, and 71





Experiment 2
Time 17, 35, 52, and 71



Experiment 3
Time 20, 38, 51, and 71

