

Figure 1 is a line graph showing the evolution of the number of active nodes over 200 iterations for five different algorithms: Red, Orange, Blue, Purple, and Green. The x-axis is labeled 'Iterations' and ranges from 0 to 200. The y-axis represents the number of active nodes, with a maximum value of 10. The Red algorithm maintains the highest number of active nodes for the longest duration, while the Green algorithm drops to zero almost immediately. The Purple algorithm drops to zero at iteration 50, Blue at 75, Orange at 110, and Red at 130. A dotted black line shows a step-wise decrease in active nodes over time.

Iterations	Red	Orange	Blue	Purple	Green	Dotted Black
0	10	10	10	10	10	10
10	10	10	10	10	0	10
20	10	10	10	10	0	10
25	10	10	10	10	0	10
30	10	10	10	10	0	10
40	10	10	10	10	0	10
50	10	10	10	10	0	10
60	10	10	10	10	0	10
70	10	10	10	10	0	10
75	10	10	10	10	0	10
80	10	10	10	10	0	10
90	10	10	10	10	0	10
100	10	10	10	10	0	10
110	10	10	10	10	0	10
120	10	10	10	10	0	10
130	10	10	10	10	0	10
140	10	10	10	10	0	10
150	10	10	10	10	0	10
160	10	10	10	10	0	10
170	10	10	10	10	0	10
180	10	10	10	10	0	10
190	10	10	10	10	0	10
200	10	10	10	10	0	10

