

A line graph showing the 'Average distance to queen' on the y-axis (ranging from 0 to 5) against 'Time (step)' on the x-axis (ranging from 0 to 160). A single blue line represents 'Swarm 1'. The distance starts at approximately 2.4, remains relatively stable until step 20, then increases steadily to about 3.9 by step 120, and remains constant thereafter.

Time (step)	Average distance to queen (Swarm 1)
0	2.4
10	2.4
20	2.4
30	2.5
40	2.7
50	3.0
60	3.1
70	3.3
80	3.3
90	3.4
100	3.6
110	3.7
120	3.9
130	3.9
140	3.9
150	3.9
160	3.9

