//Output

run:

Demonstration of the stock exchange code.Original specifications ask for monitor thresholds of 5,10,15,20, and 25, but these thresholds took too long to reach.Instead, thresholds of 2,4,6,8,and 10 were used.

Second(s): 1|| Stock: -1

Stock has reached the threshold of 2 in 2 seconds

Second(s): 2|| Stock: -2

Second(s): 3|| Stock: -1

Second(s): 4|| Stock: -2

Second(s): 5|| Stock: -3

Second(s): 6|| Stock: -2

Second(s): 7|| Stock: -3

Stock has reached the threshold of 4 in 8 seconds

Second(s): 8|| Stock: -4

Second(s): 9|| Stock: -3

Second(s): 10|| Stock: -2

Second(s): 11|| Stock: -1

Second(s): 12|| Stock: -2

Second(s): 13|| Stock: -3

Second(s): 14|| Stock: -2

Second(s): 15|| Stock: -3

Second(s): 16|| Stock: -4

Second(s): 17|| Stock: -3

Second(s): 18|| Stock: -2

Second(s): 19|| Stock: -3

Second(s): 20|| Stock: -2

Second(s): 21|| Stock: -3

Second(s): 22|| Stock: -2

Second(s): 23|| Stock: -1

Second(s): 24|| Stock: -2

Second(s): 25|| Stock: -3

Second(s): 26|| Stock: -4

Second(s): 27|| Stock: -5

Stock has reached the threshold of 6 in 28 seconds

Second(s): 28|| Stock: -6

Second(s): 29|| Stock: -7

Stock has reached the threshold of 8 in 30 seconds

Second(s): 30|| Stock: -8

Second(s): 31|| Stock: -9

Stock has reached the threshold of 10 in 32 seconds

Second(s): 32|| Stock: -10

BUILD SUCCESSFUL (total time: 32 seconds)