GRAPH PAPER PROGRAMMING

Programming Key

→ — Move One Square Forward

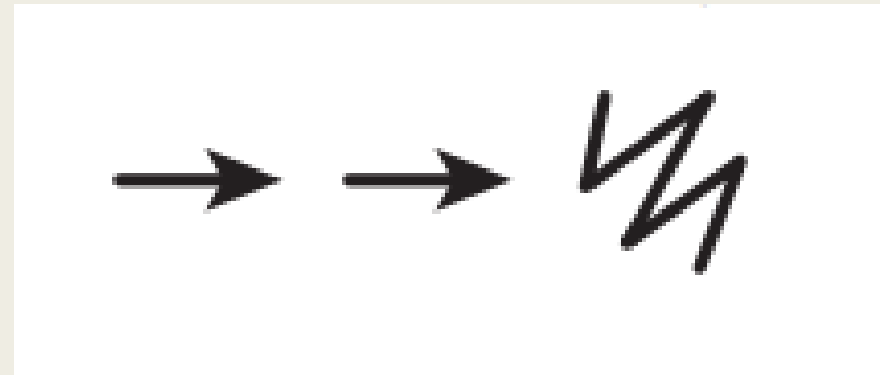← — Move One Square Backward

↑ — Move One Square Up

↓ — Move One Square Down
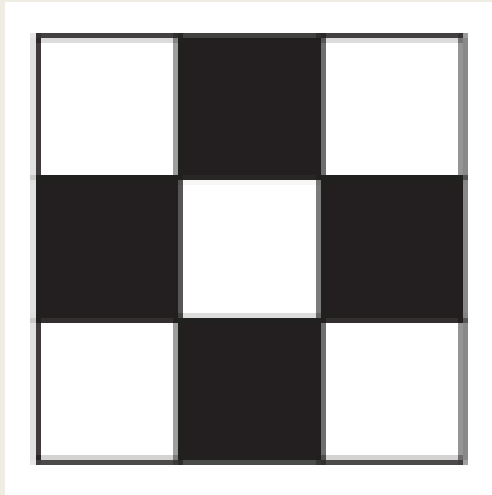
↻ — Change to Next Color

⚡ — Fill-In Square with Color

Example

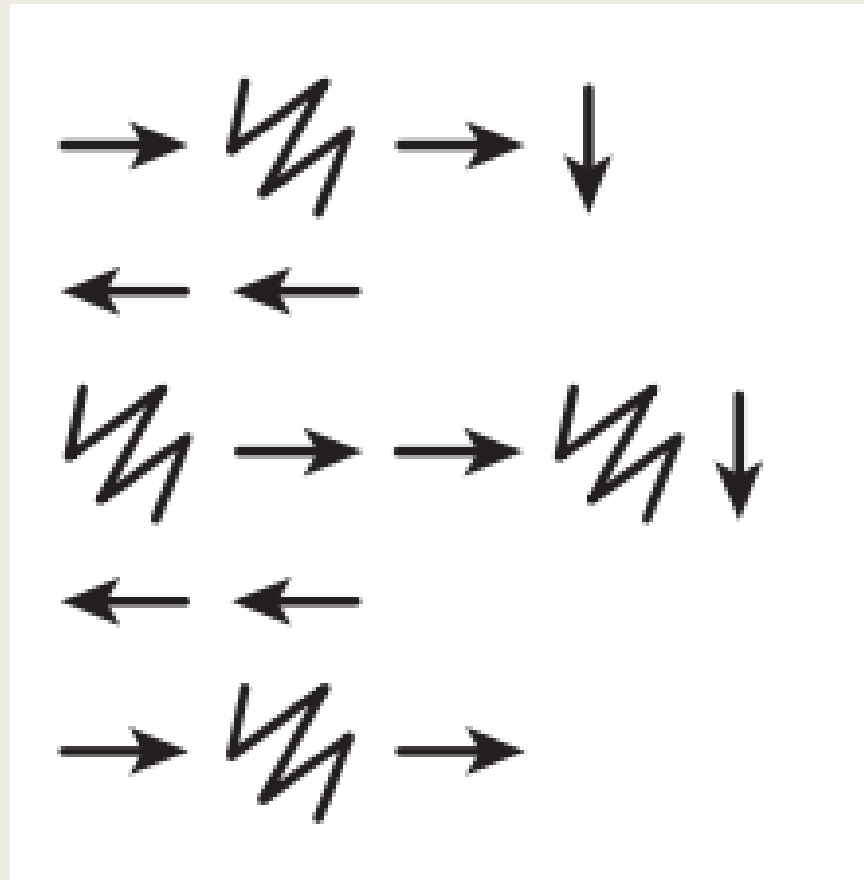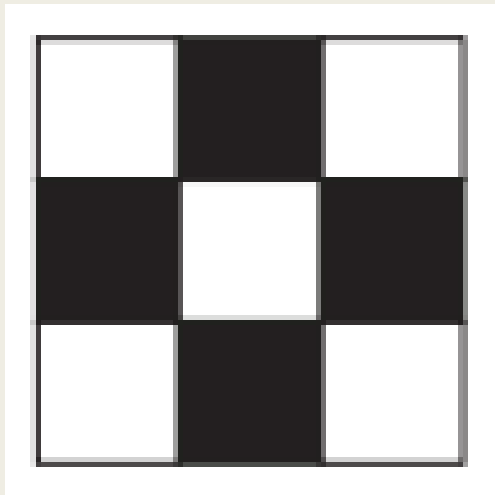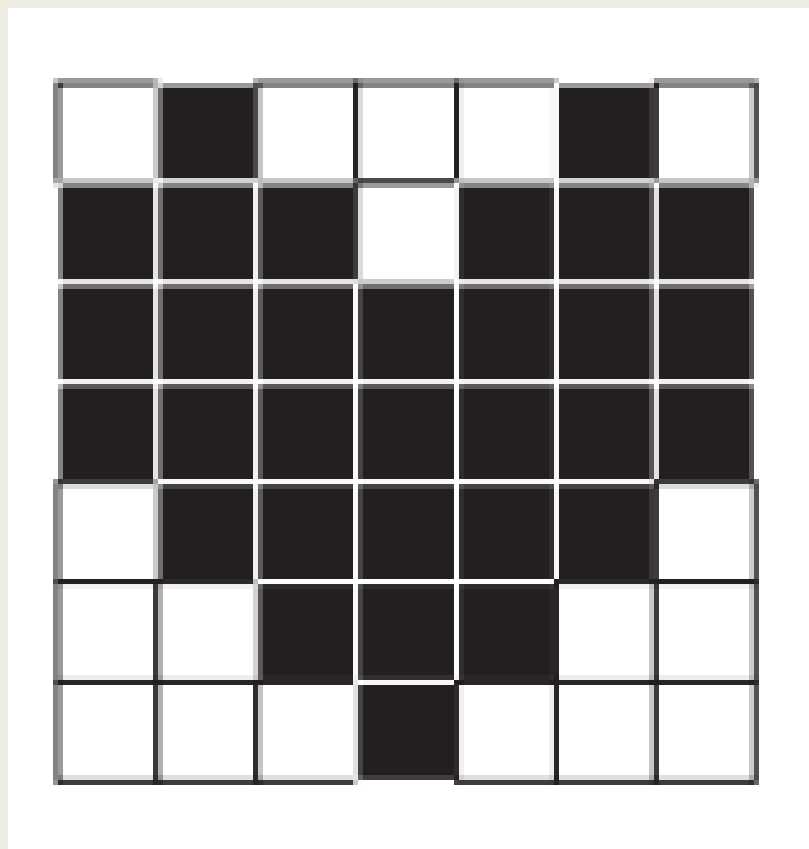Move one square forward, Move one square forward, Fill-in square with color

Practice

- Step forward, fill-in, step forward, next row Back, back
- Fill-in, step forward, step forward, fill-in, next row, back, back
- Step forward, fill-in, step forward

Practice

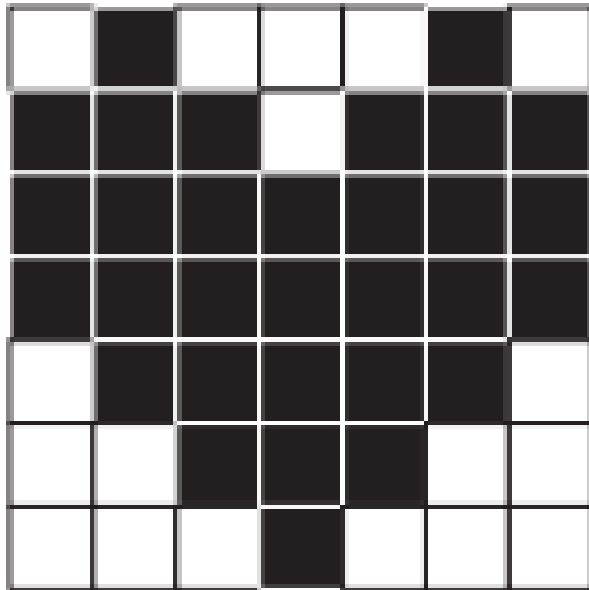# Practice

Practice
(first two lines)

Algorithm:

"Step forward, fill-in, step forward, step forward, step forward, fill-in, step forward, next line.
Back, back, back, back, back, back.
Fill-in, Step forward, fill-in, step forward, fill-in, step forward, step forward, fill-in, Step forward, fill-in, Step forward, fill-in, next line.
Back, back, back, back, back, back."

Repeating Steps

Algorithm:

"Step forward, fill-in, step forward, step forward, step forward, fill-in, step forward, next line.
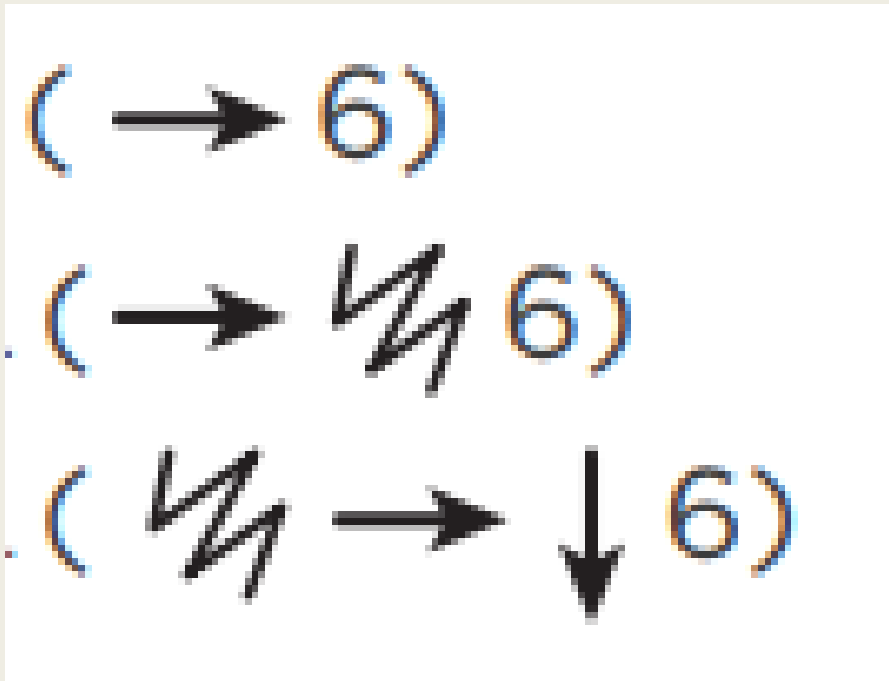Back, back, back, back, back, back.
Fill-in, Step forward, fill-in, step forward, fill-in, step forward, step forward, fill-in, Step forward, fill-in, Step forward, fill-in, next line.
Back, back, back, back, back, back."

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Functions

- Move forward 6 spaces
- Color 6 blocks in a row
- Color a diagonal row

Assignment

- ■ Write the code, using symbols, to instruct a robot (or other person) to recreate the graph paper pictures on the handout.