This robot loosely models the behavior of a cockroach. It moves forward until it encounters a bright light, and then stops. Not any more complex than the mole, this roach robot just reacts to light instead of a touch.

This program uses ports and other modifiers to the individual commands instead of just assuming default values for them. It also explores some of the techniques for controlling the movement of a robot.

In this version, the robot's behavior becomes a little bit more complex. First it waits for night (low level of ambient light) to start its run. It jumps back a bit when it encounters the bright light, and does a different kind of turn to the left. And instead of just running away for two seconds, it runs until it finds a dark spot (low ambient light) in which to hide before stopping.