

PROGRAM Test IS

INSTRUCTION one IS

 move
 turnleft
END one

INSTRUCTION two IS

 one
 IF next-is-not-empty THEN
 turnleft
 ELSE
 one
 one
 END IF
END two

INSTRUCTION three IS

 two
 IF next-is-enemy THEN
 infect
 ELSE
 one
 turnRight
 END IF
END three

BEGIN

 infect
 WHILE true DO
 two
 IF next-is-empty THEN
 move
 END IF
 two
 one
 END WHILE
END Test

PROGRAM Test IS

INSTRUCTION one IS

 move
 turnleft
END one

BEGIN

infect

WHILE invalid-condition DO

 one
 turnright
 move
 turnleft

END WHILE

END Test

PROGRAM Test IS

INSTRUCTION one IS

 move
 turnleft
END one

BEGIN

INSTRUCTION two IS

 one
 IF next-is-not-enemy THEN
 turnright
 ELSE
 one
 END IF

END two

END Test

PROGRAM Test IS

INSTRUCTION one IS

 move
 turnleft
END one

BEGIN

INSTRUCTION two IS

one

IF next-is-not-empty THEN

turnleft

ELSE

one

one

END IF

END two

infect

WHILE true DO

two

IF next-is-empty THEN

move

END IF

two

one

END WHILE

END Test