ALGORITHM (U-Turn) {

! This algorithm accomplishes a u-turn to
! get from point A to point B.

South;                ! Go to first cross street

IF LEGAL(East) Then {  ! Check direction allowed here

    East;            ! If allowed, go across, and

    North;          !    then go north.

} 
ELSE {

    South;        ! If not allowed, go down to
    East;           !    next cross street (2-way),
    REPEAT (2) {    !    go across, and
        North;      !    then go two blocks north.
    }

}