



```
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
```

```
! next cross street (2-way),
```

```
    East;         ! go across, and
```

```
    REPEAT (2) { ! then go two blocks north.
```

```
        North;
```

```
    }
```

```
}
```

```
}
```