NO

YES

NO

GO LEFT

YES

GO RIGHT

YES

GO STRAIGHT

1. Compute distance of left position from destination.(currentDistanceL)
2. Compute distance of right position from destination. (currentDistanceR)
3. Compute distance of straight position from destination. (currentDistanceF)
4. Compute coordinates for left position.
5. Compute coordinates for right position.
6. Compute coordinates for straight position.

minDistance = min(currentDistanceL, currentDistanceR, currentDistanceF)

NO

If(minDistance=currentDistanceR)

If(minDistance=currentDistanceL)

Is the distance between current position (x,y) to the destination (xd,yd)=0

Exit