The direction of most distance: The robot goes in the direction of the largest distance it finds with toneog, (atleast) of its Sensor. This should been it out of Congred Spaces . However at the basic level thee are some issues with it, like this (going on layout of LG lagest distances phot wye down / however, robot real Sor explorations Max-range in both pupoles, le directions, could getStuck want to go left or right? We could try + implement prairing where we have already been, this relies heavily on twing the robots adametylte. Moverer the Chance of getting struck Should be quite Slim (especially is we forced the robot to make a move) Random: This nothod is fairly Sely-explanatory; we make the robot Change it's direction pseudo-randomly artifitis about to hit awall. This would be Very Computational easy, however, I hypothesise this would be a highly unrelies to method which would become apparent when plotting results I hispothense this method would get Stuck much more oftenthan anyother method being Eestel . I would only Romend using this method IF we do > 2 methods, because there is a high possibility of this method being of no future use. However, it would be highly useful for companion with other method.

Things to consider:

We have multiple Sensors which Could give us ideas of the distance: Iidart sonar (I will i gnore kingect for now!)
Obviously, both have their disabvartages + advantages; I would predict for the LG floor lases would be better. However, is there any we could combine them to get better information to the robot (given the nature of the programming this could be a pain, but I readon it could be really Coo!!)

We get more credit for innovative design features. Hereare Some of the things we could do that I think may satisfy this:

Using multiple sensors + combining them knowing where we've already been tinclulingthat! Cleaning up sensor readings (I sawlast years groupdid this and it was a really coolider).

Testing tevaluating

At Those read the stury already in the report tit seemed good.

We have a distinct dejintion for going into a new Churk.

I would still like to record no of times Stuck. This is a recording very much to be done but ever but I would like to have a very

much to be done by eye but I would like to have a very clear dejinition of what it means 'to be stuck'

we have to choose our splitting points on the map VERY Cargully. For example, Choosing a subset of LG and igning Size Sornow, this may be a bod iden:

be cause the robot (oul)

Very much just marthough these very

Slightly and Court as moving through

multiple thirds in a Short Atime which

Makes it book like a good explorer

Scanned by CamScanner

