Extra Credit World Explanation
Pseudo Code for Bug Algoritm
While vobot not reached the goal:
It encounter an obstacle:
1) If this is the first time encounter this obstacle at this position,
then try going right and around the object.
(2) If this is the second time encounter the obstacle and sume position as previous, then the going left and around the object.
Reached the m-line, obstacle is no longer encountered.
else if not encounter an obstacle:
(1) Rotate towards goal
(2) Calculate the safest distance to travel
(3) Each meter we travel, robot corrects itself back to m-line if it went targent
It encounter an obstacle:
(1) check if it is the same as before (2) If it is the same and robot did not the aping left, then switch direction.
(3) If it is the same and robot did not try going left, then switch direction. (3) "and robot did try left, then it fails. (4) If it is not the same and robot did try left, reset it back to going right.
(f) If it is not the same and robot did the left, reset it back to going right.
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If we always chose to go right when encountering an object and left it seems encounter. * robot alway faces the goal when it reach as m-line x = encounter obstacle = m-line
= M-INC
Starting Poart Starting Poart
SWITT TO THE STATE OF THE STATE
different position different
position fund
turn right right turn right

If we always chose to go left when encountering an object and right if second. Surfag Point goal diff left diff So go right Keeptrack of obstacles in a list list of obstucles = (1), (2), (3) if the obstacle is in the list, switch direction.