



Algorithm: Warehouse Robot Operation

Start

Initialize all motors and sensors

Move to Home position

WHILE system is active DO

 IF WMS has pending order THEN

 Locate part on tilted shelf

 Move X to shelf location

 Lower Z axis

 Close gripper

 Raise Z axis

 Move X to delivery area

 Lower Z axis

 Open gripper

 Raise Z axis

 ELSE

 Wait for next order

 ENDIF

ENDWHILE|