Task 5:

Definition of the problem:

It avoids the collision of hands while moving any object that causes it to malfunction so we calculate the angle of movement of the expected arm to avoid errors

X Z

Equation variables:

X-Axis

Y-Axis

Z-Axis

Angle 360 degrees

The appropriate calculation:

Amount of symmetry =

" 360/rank of symmetry given "

Applying the process of "law" and determining outputs:

360 / 180 = 2

The robot's movement on two sides of the front and back is 360 degrees, so each side has an arm movement of 180 degrees from the front and 180 degrees from the back.

And the movement of the Y axis has no symmetry

Just moving 180 degrees with no front and rear movement.

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