MY ROBOTIC FRIENDS

Offline Computer Programming Game Instructions

1. Split into equal teams, with an equal number of “robots” and “programmers” in each team. (Team size recommendation: 4)

2. The moderator will send the robots to hang out in an area away from the programmers.

3. Each group’s programmers will then receive a cup stack sheet and use the symbol key to write the code for the secret cup configuration. *Programmers should be given 3 minutes to write the code on the paper provided.

4. When all the programmers are finished, the moderator will collect the cup stack sheets and the robots will return to their team.

5. When the moderator says “start,” the robots will use the code written by their programmer(s) to build the cup configuration. The programmers are NOT allowed to help them.

6. The first team that believes they have the right configuration should raise their hands, and if their configuration is correct, they win the round. If not, the other teams can resume their attempts until a winner is determined.

Tournament style:
Three rounds can be played, each using a different cup stack configuration, with the winning teams of each round then facing off in a final round to determine the grand prize winner. *Depending on each team’s preference, programmers and robots can change with each round.

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Step Guide

3 Cup Stack

3 Cup Stack Solution

Back 1 Step
0 Steps
1 Step
2 Steps
3 Steps
4 Steps
5 Steps
6 Steps

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Programming Key

Pick Up Cup

Put Down Cup

Step Forward

Step Backward

Turn Cup Right 90°

Turn Cup Left 90°
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Cup Stack Configurations

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