A raging fire is spreading across the Bamboo Forest, home of the giant panda! A baby panda has climbed a tree to hide from the flames. Help Dash put out the fires and save the baby panda!

**Mission 5: Trial by Fire**

- **Dash**
- **Dot**
- **Your tablet**
- **2 ping pong balls (or Launcher balls)**
- **3 Solo cups**
- **Materials to build an attachment for Dash to knock the balls off the cups**
  (suggestion: you can use Building Brick Connectors and Lego bricks for this)
• Put 3 cups upside down at B5, C4, and C5.

Dash’s starting place: 🐼 C1

Rabbit Rescue
Your mission

1. Randomly put Dot (the baby panda) on top of one of the cups. The other cups represent the burning trees. Place the ping pong balls on top of the other two cups.

2. You don’t know where the baby panda will try to hide, so your program needs to work for all locations where the fires could be.

3. Make Dash find the cups with balls and knock the balls off to put out the fires.

Test your program! Try putting Dot on the cup at B5 and then run your code. Then try C4 and run the same program again. Then try C5. Does it work all 3 times? What sensors do you need to use to check to see where Dot is?

In your submission video, run your program three times. Once where the baby panda is at B5, once where the baby panda is at C4, and once where the baby panda is at C5. They must use the same code.

60 points max

10 points for each cup with a ball knocked off of it when Dot is at B5
10 points for each cup with a ball knocked off of it when Dot is at C4
10 points for each cup with a ball knocked off of it when Dot is at C5

Don’t knock the baby panda out of the tree! Don’t knock Dot off the cup or move Dot’s cup out of the cell.

Don’t spread the fire! Don’t move the other cups out of their cells.

You can’t move Dash with your hands at any time.

Don’t make Dash go outside the grid!

Dress Dot up as a baby panda.