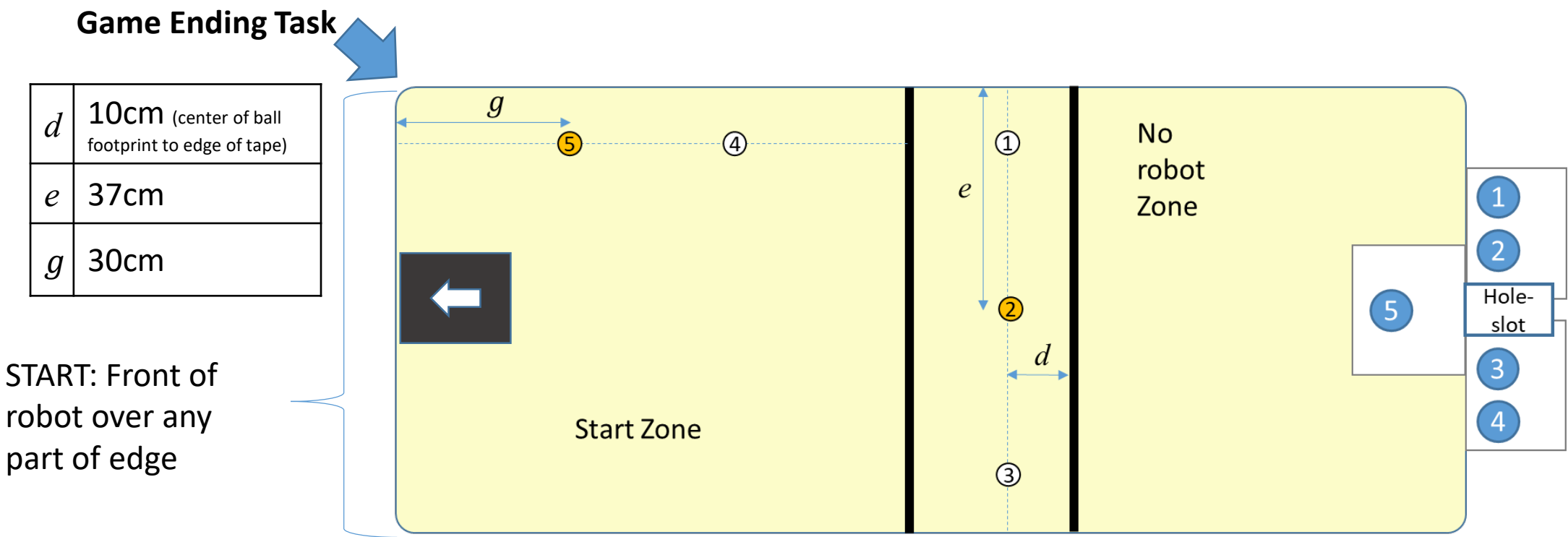# UTF Jr Round 1

- The starting location and orientation of the robot: see the diagram
- Game Ending Task: Stopped with any part of the robot over the indicated corner
- Unknown Factors: See table below:

**Game Ending Task**

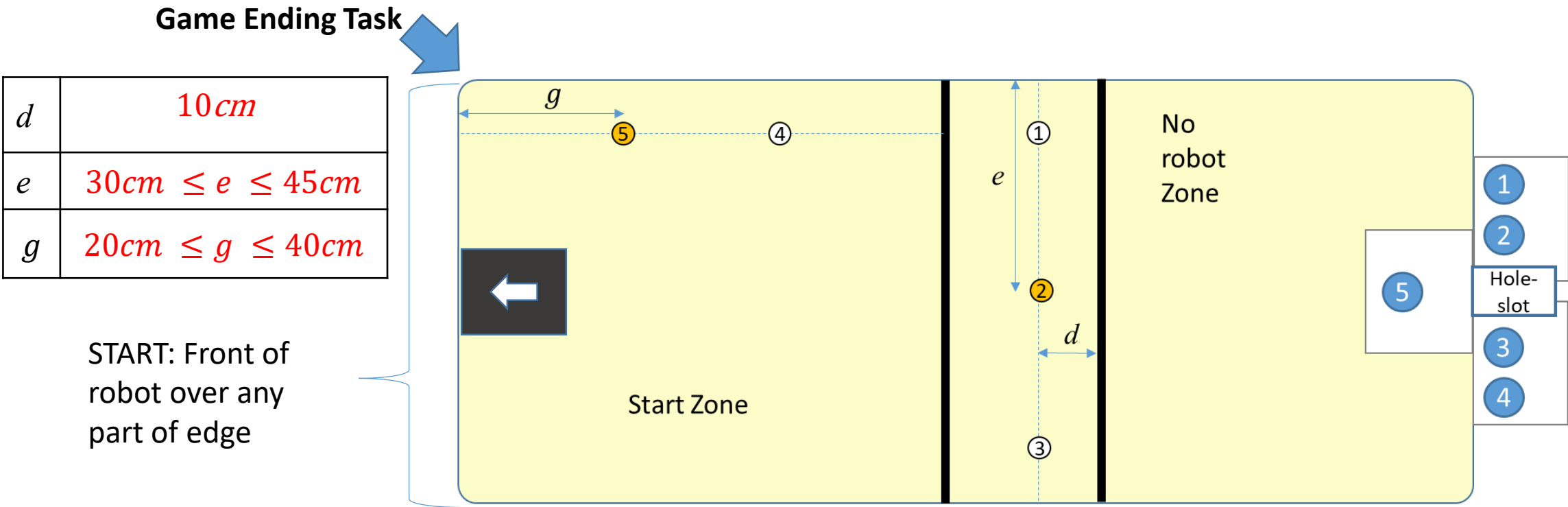| | |
|---|---|
| $d$ | 10cm (center of ball footprint to edge of tape) |
| $e$ | 37cm |
| $g$ | 30cm |

START: Front of robot over any part of edge

# UTF Sr Round 1

- The starting location and orientation of the robot: see the diagram
- Game Ending Task: Stopped with any part of the robot over the indicated corner
- Unknown Factors: See table below:

| | |
|---|---|
| $d$ | $10\,cm$ |
| $e$ | $30cm \leq e \leq 45cm$ |
| $g$ | $20cm \leq g \leq 40cm$ |

**Game Ending Task**

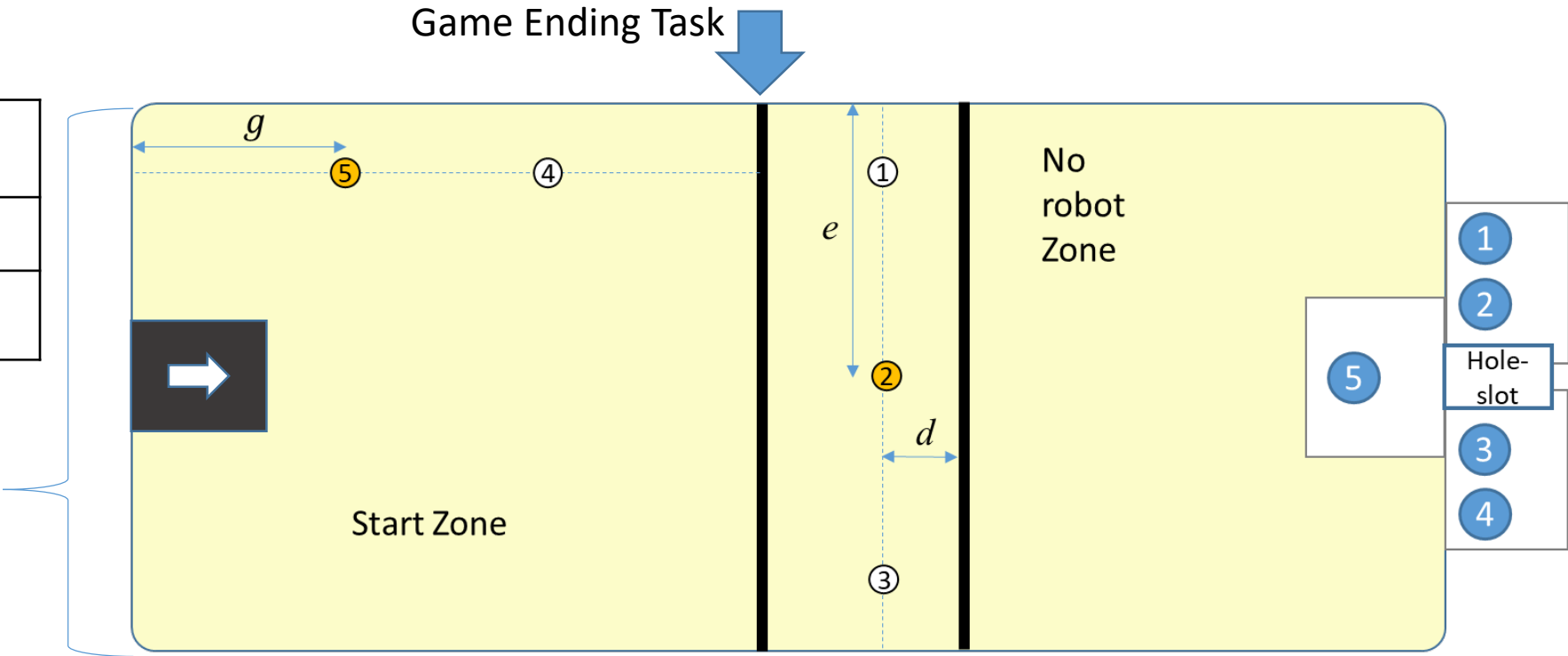START: Front of robot over any part of edge

UTF Samples

# UTF Jr Round 2

- The starting location and orientation of the robot: see the diagram
- Game Ending Task: Stopped with a sensor positioned over the indicated line
- Unknown Factors: See table below:



Game Ending Task

| | |
|---|---|
| $d$ | 14cm (center of ball footprint to edge of tape) |
| $e$ | 45cm |
| $g$ | 40cm |

START: Rear of robot flush with any part of edge

No robot Zone

Start Zone

Hole-slot

# UTF Sr Round 2

- The starting location and orientation of the robot: see the diagram
- Game Ending Task: Stop with any part of the robot over the indicated line
- Unknown Factors: See table below:

| | |
|---|---|
| $d$ | 14 $cm$ |
| $e$ | 30 $cm \leq e \leq 45 cm$ |
| $g$ | 20 $cm \leq g \leq 40 cm$ |



Game Ending Task

START: Rear of robot flush with any part of edge

No robot Zone

Start Zone

Hole-slot

UTF Samples