Human Robot Advanced – Tasks

1. The assignment is read aloud.
2. Look at the mat, where is the goal? What is to be done?
3. Then lay out the process with cards – what decision do you have to consider?
4. The process is carried out together. One group is allowed to read aloud. The decision is made by rolling the dice.
5. Carry out the procedure read aloud and check your own as well – have all options been considered?

Task 1) Seq + IF

Starting point: feet.
I know the store is open. I want to go to the store, buy a snack, and then go to the houses.

Task 2)

Starting point: feet.
I don't know yet if the shop is open and go there first.
Is the shop open? If yes, then I buy a snack.
Then I want to go to the houses.

Task 3) IF

Starting point: Castle
I walk from the castle to the beach where my lounger and umbrella are.
On the beach I decide whether I want to go swimming.
Question:
Is the water warm? If so, then I go swimming.
Then I go back to the castle.

Task 4) IF+Box

Starting point: playground
The farmer has prepared a surprise vegetable box for me.
However, I don't like carrots and hope there aren't any in the box.
I walk from the playground to the farm and open the vegetable box there.
Are there carrots in the vegetable box? If so, then I feed the carrots to the rabbits. Then I take the vegetable box home with me.

Task 5) IF-Else

Starting point: Houses
I walk over the bridge from the houses.
I let the yes/no cube decide where I need to go.
Does the cube show a hook?

- **Yes:** I go to the tent.
- **No:** I go to the bees.

After visiting the destination, I go back to the village.

Task 5) IF-Else with Box

I heard that there is a treasure chest in the flower meadow.
I want to go to the flower meadow and open the chest there.
Is there a treasure in the chest?

- **Yes:** I bring the treasure to the castle and I am rich!
- **No:** I'll take the empty treasure chest to the farm.

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