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|------------------------|---|---|--|--|--|--|
|                        | <div>Confusion</div> <div>Non-Confusion</div> <div>A*</div> <div>B*</div>   | <div>Condition A</div> <div>Condition B</div> <div>the Pepper robot</div> <div>the participant</div>  |  |  |  |  |
| Sequence of Conditions | <div>Greeting &amp; Introduction</div> <div>Pepper: Hello my friend, let's play a pick-and-place blocks game. In front of us, four blocks which are two red and green cubic blocks in the left, a blue cone block in the middle and a yellow cylinder block in the right, and three red, blue and yellow square boxes in front of these blocks. Your side is the front side of the three boxes, and my side is the backside of the three boxes. I would like to require you to help me pick a specific block and place it in a specific box or a place. If my expression is not clear for you, please feel free to ask me.</div> <div> </div> | <div>CC1</div> <div>Complex information Condition A</div> <div>A*: Let's get started, please pick up the one on the right of the red cubic block, and place it to the box on the left of number 2 box, pick up the one block closed to the green cubic block and place it on the back side of the blue box, and move the red cubic block into yellow box. Then pick up the yellow cylinder block to Number 1 box. Please tell me where the three blocks are.</div> <div>B*: &lt;user-response&gt;</div> <div>A: No problem, &lt;Repeat the question again&gt;</div> <div>B: &lt;user-response&gt;</div> <div>A: Do you want me to say it again?</div> <div>B: &lt;user-response&gt;</div> <div>A: &lt;Repeat the question again&gt;</div> <div>B: &lt;user-response&gt;</div> <div>A: Do you want to give it one more try?</div> <div>B: &lt;user-response&gt;</div> <div>A: Thank you very much, you did a good job, please see my tablet, could you please put all the blocks in the original place.</div> <div>B: &lt;user-response&gt;</div> <div>A: Well done, now you have one minute rest, and please rate your confusion level for this time.</div> | <div>CC2</div> <div>Sufficient information Condition B</div> <div>A: Let's go ahead. Please pick up the yellow block and place it in the number 2 box, and move the red cubic block on the back side of the yellow box. Please tell me where the three blocks are.</div> <div>B: &lt;user-response&gt;</div> <div>A: Thanks, correct, you are super, please reset all blocks to their original place, please refer to the original place on my tablet.</div> <div>B: &lt;user-response&gt;</div> <div>A: Well done, now you have one minute rest, in this short break, please rate your confusion level for this round of game.</div>  | <div>CC3</div> <div>Contradictory Information Condition A</div> <div>A: Wellcome back, are you ready?</div> <div>B: &lt;user-response&gt;</div> <div>A: Please pick up the green cubic into the number 3 box.</div> <div>B: &lt;user-response&gt;</div> <div>A: Great, and please move the yellow cubic block into the green box. And please pick up the red cylinder block and into the green box as well.</div> <div>B: &lt;user-response&gt;</div> <div>A: Really? please move the yellow cubic block into the green box. And please pick up the red cylinder block and into the green box as well.</div> <div>B: &lt;user-response&gt;</div> <div>A: It seems you cannot finish this game, do you still want to play this game with me? I am sorry you may find it too difficult.</div> <div>B: &lt;user-response&gt;</div> <div>A: Well, please reset all blocks to their original place, please refer to the original place on my tablet.</div> <div>B: &lt;user-response&gt;</div> <div>A: All right, now you have one minute rest, in this short break, please rate your confusion level for this round of game.</div> | <div>CC4</div> <div>Correct-positive feedback Condition B</div> <div>A: Hello my friend, time is up, it is our last task. Please move all blocks into the boxes with the same colours, and move the green cubic block at the front of Number 1 box.</div> <div>B: &lt;user-response&gt;</div> <div>A: Let me see, aha, you are correct, you are brilliant.</div> <div>B: &lt;user-response&gt;</div> <div>A: Well, please reset all blocks to their original place, please refer to the original place on my tablet.</div> <div>B: &lt;user-response&gt;</div> <div>A: All right, now you have 10 minutes rest, before break, please rate your confusion level for this round of game.</div>   | <div>The End</div> <div>Pepper: wow!!! Well done, we finished all conversations. Please have a seat, my workmate will chat with you, thank you very much, see you next time.</div> |
| Condition-BBAB         |   | <div> </div>  | <div> </div>   |  | <div> </div>   |  |
| Condition-BABA         |   | <div>Simple information Condition B</div> <div>A: Let's get started at first, please pick up a red cubic block and show me;</div> <div>B: &lt;user-response&gt;</div> <div>A: Thank you, please put it back and pick up a yellow cylinder and show me;</div> <div>B: &lt;user-response&gt;</div> <div>A: Thank you. You did a really good job. Well, please put the yellow cylinder back, and pick up the blue cone to the yellow box.</div> <div>B: done.</div> <div>A: Thanks, correct, you are super fast, please put the blue cone back to its original place.</div> <div>B: &lt;user-response&gt;</div> <div>A: Well done, now you have one minute rest, in this short break, please rate your confusion level for this round of game.</div>   | <div>Insufficient information Condition A</div> <div>A: Let's do one more challenge, please pick up the red cubic block and place it into the red box. Then pick up the blue block and place it into the number 1 box. Then pick up the yellow cylinder block and place it in the front of the number 3 box. Pick up the cubic block and place it into the blue box. Finally pick up the block in the box, and place it on the left of the yellow cylinder block. Please tell me how many blocks are in the red box.</div> <div>B: &lt;user-response&gt;</div> <div>A: Of course, &lt;Repeat the question again&gt;</div> <div>B: &lt;user-response&gt;</div> <div>A: Do you want to try again?</div> <div>B: &lt;user-response&gt;</div> <div>A: No problem, my friend, &lt;Repeat the question again&gt;</div> <div>B: &lt;user-response&gt;</div> <div>A: Do you want to try again? Or stop doing this game.</div> <div>B: &lt;user-response&gt;</div> <div>A: Please reset all blocks to their original place, please refer to the original place on my tablet.</div> <div>B: &lt;user-response&gt;</div> <div>A: All right, now you have one minute rest, in this short break, please rate your confusion level for this round of game.</div> | <div>Consistent Information Condition B</div> <div>A: Wellcome back, are you ready?</div> <div>B: &lt;user-response&gt;</div> <div>A: Please pick up the green cubic and the yellow cylinder.</div> <div>B: &lt;user-response&gt;</div> <div>A: and please put the green cubic in your hand to number 2 box, and yellow one into the blue box.</div> <div>B: &lt;user-response&gt;</div> <div>A: Please tell me what's in the three boxes.</div> <div>B: &lt;user-response&gt;</div> <div>A: You are brilliant.</div> <div>B: &lt;user-response&gt;</div> <div>A: Well, please reset all blocks to their original place, please refer to the original place on my tablet.</div> <div>B: &lt;user-response&gt;</div> <div>A: All right, now you have one minute rest, in this short break, please rate your confusion level for this round of game.</div>   | <div>False feedback Condition A</div> <div>A: Hello my friend, time is up, it is our last task. Please move the green cubic block to the backside of the number 3 box, and move the yellow block into the front side of the red box, as well as pick up the blue cone and put it into the blue box. Please tell me where the green and blue blocks are.</div> <div>B: &lt;user-response&gt;</div> <div>A: Hmm, please think about it again.</div> <div>B: &lt;user-response&gt;</div> <div>A: Really? I don't think you are correct. Sounds like you talked about the yellow and red blocks.</div> <div>B: &lt;user-response&gt;</div> <div>A: Let me repeat it, please move the green cubic block to the backside of the number 3 box, and move the yellow block into the front side of the red box, as well as pick up the blue cone and put it into the blue box. Please tell me where the green and blue blocks are.</div> <div>B: &lt;user-response&gt;</div> <div>A: Hmmmm, you may be correct.</div> <div>B: &lt;user-response&gt;</div> <div>A: Do you still want to play this game with me? I am sorry you may find it too difficult.</div> <div>B: &lt;user-response&gt;</div> <div>A: Well, please reset all blocks to their original place, please refer to the original place on my tablet.</div> <div>B: &lt;user-response&gt;</div> <div>A: Now you have one minute rest, in this short break, please rate your confusion level for this round of game.</div> | <div> </div>   |