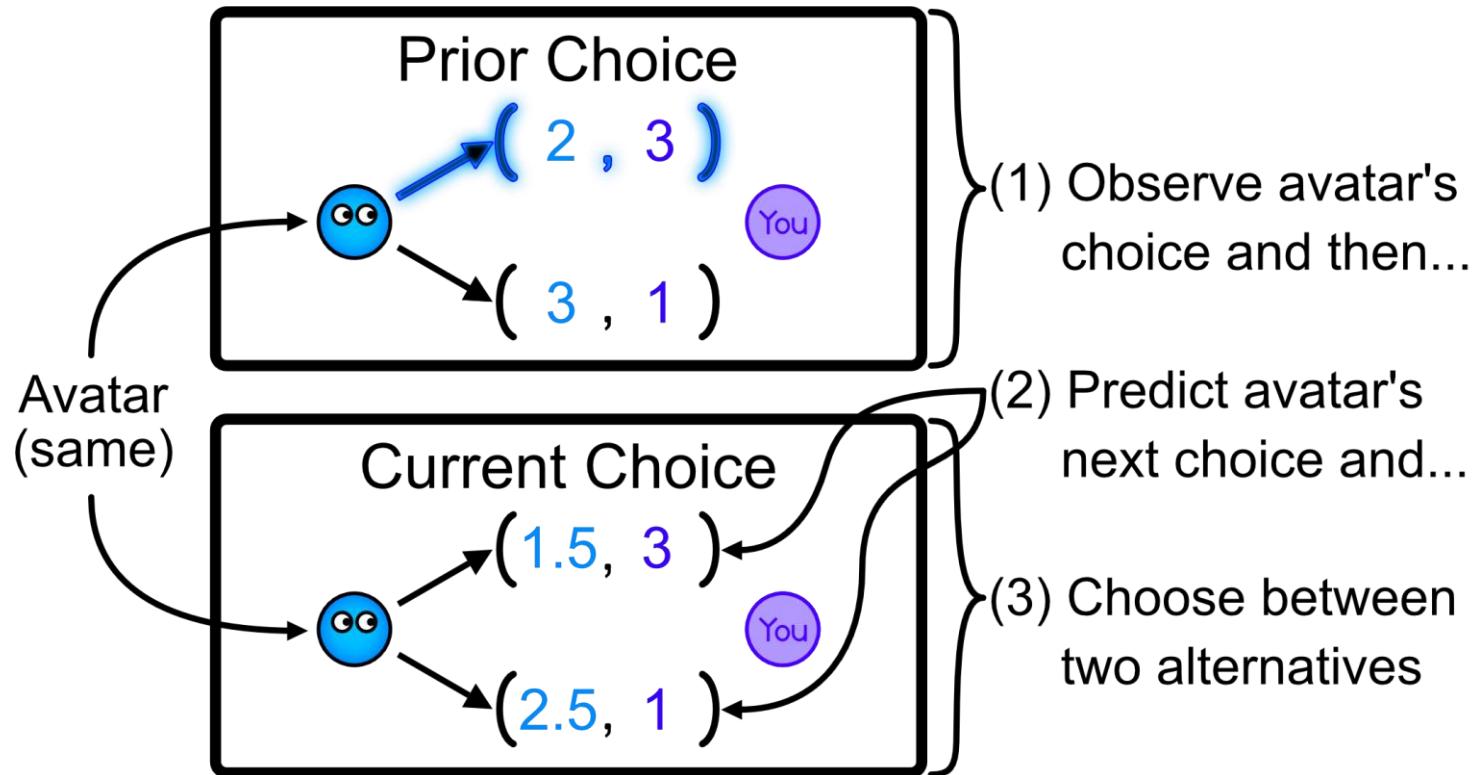


# Experiment Tutorial

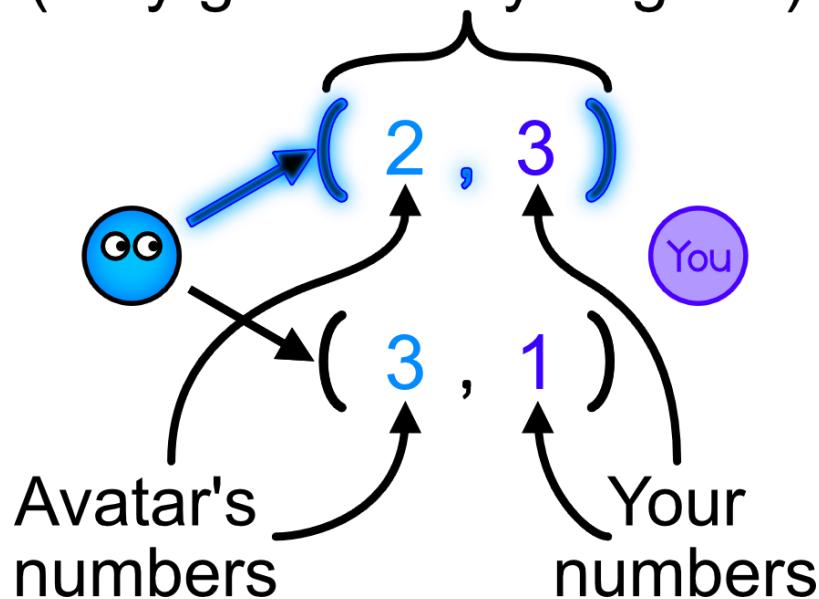
You are about to participate in an experiment that should last for about an hour. Before continuing, please read and fill out the consent form and the survey on the beginning screen. The experimenter will give you a number, such as “0001” to use instead of your name. They will be nearby to help in any way, but the experimental protocol prevents them from answering some questions. Please do not select the “refresh” button. This tutorial will explain how the experiment works. It will refer to keys you will need to press to progress through the experiment, but because these instructions are in a separate program, just press the arrow keys to progress through this tutorial.

There are two segments of the experiment. In the first segment you will encounter a randomly ordered sequence of 216 unique avatars. Act towards each avatar as if you are encountering a real person for the first time where both of you expect to encounter each other many times in the future. During each encounter you will (1) observe them make a choice, (2) predict their next choice and then (3) choose between two alternatives.

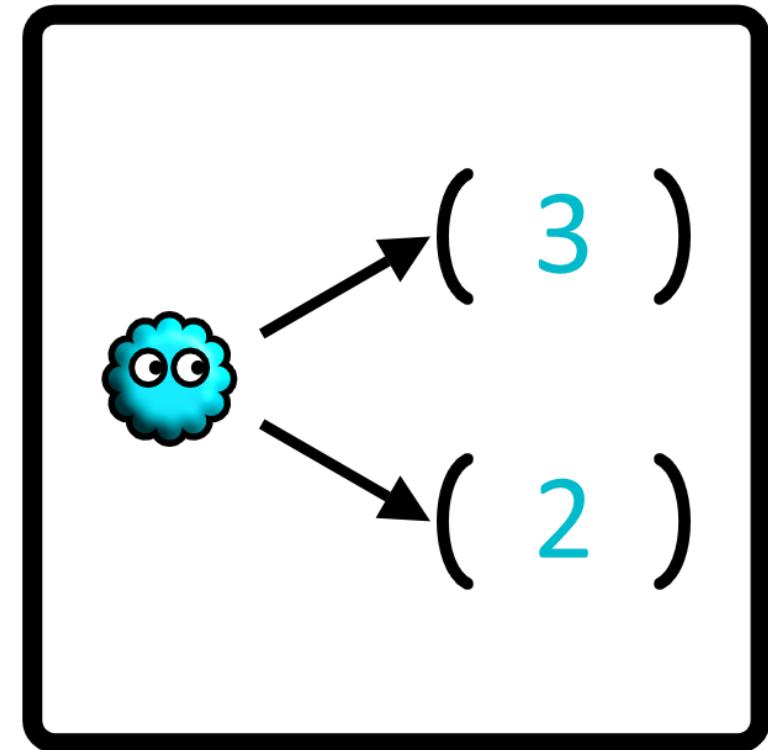
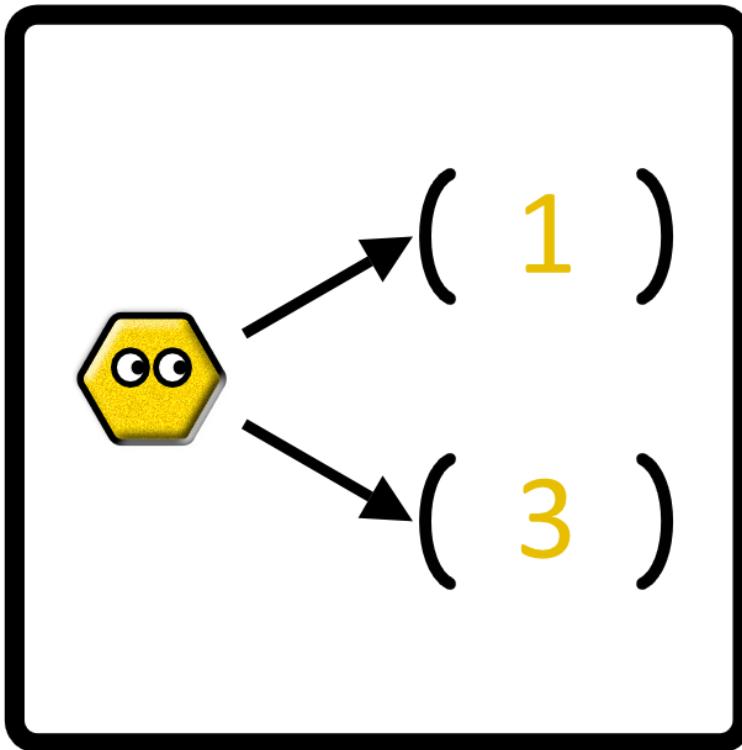
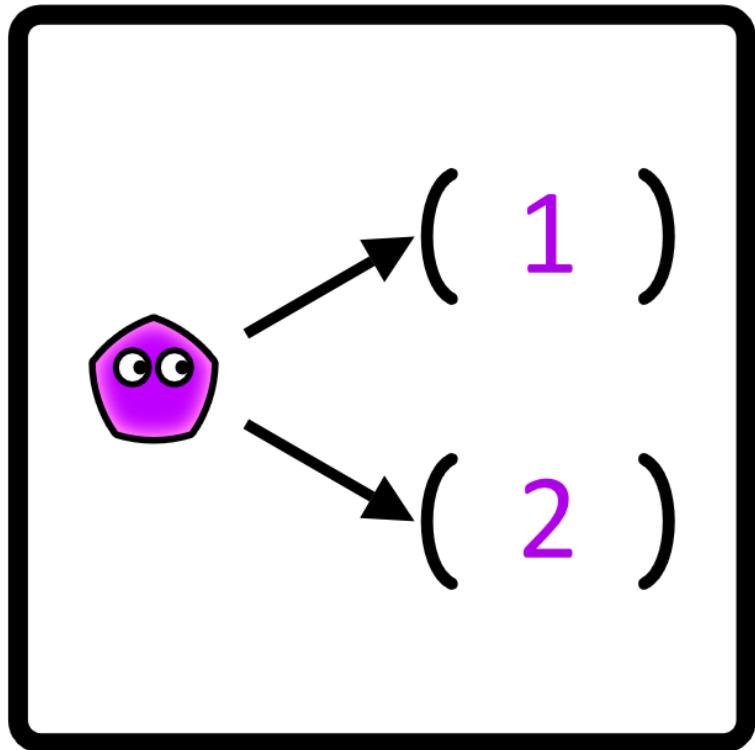


These choices determine a number for you and for the avatar. The two alternatives are the numbers within parentheses that the arrows point to. The avatar's choice is highlighted in blue. Your numbers are purple, and the avatar's numbers are black or the color of the avatar. Everyone prefers a higher number.

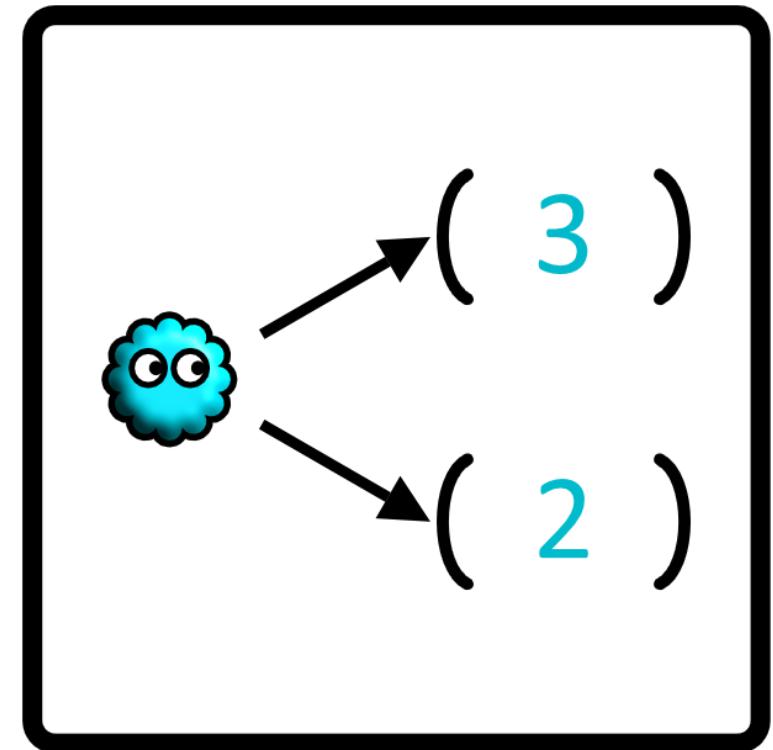
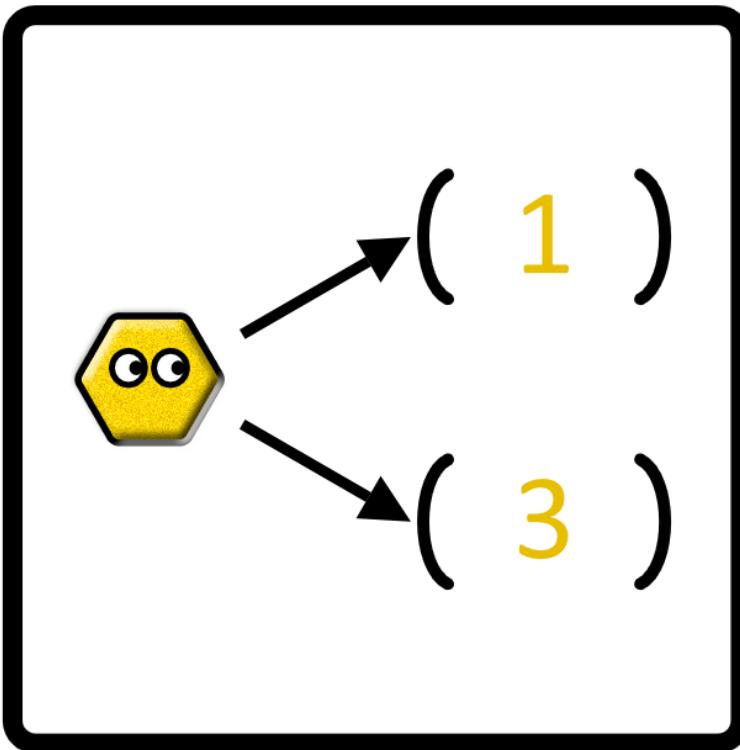
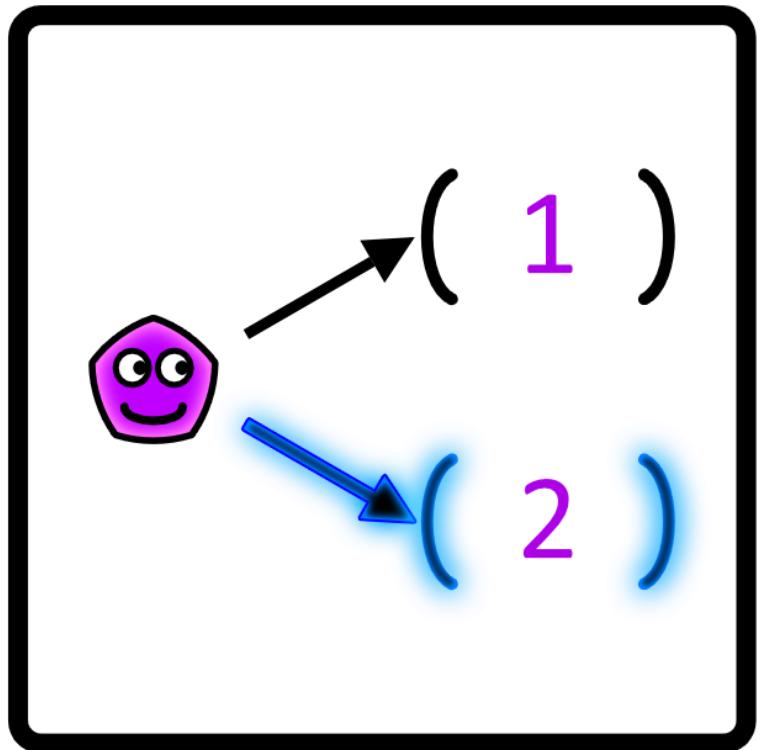
Avatar chose this outcome  
(they get 2 and you get 3)



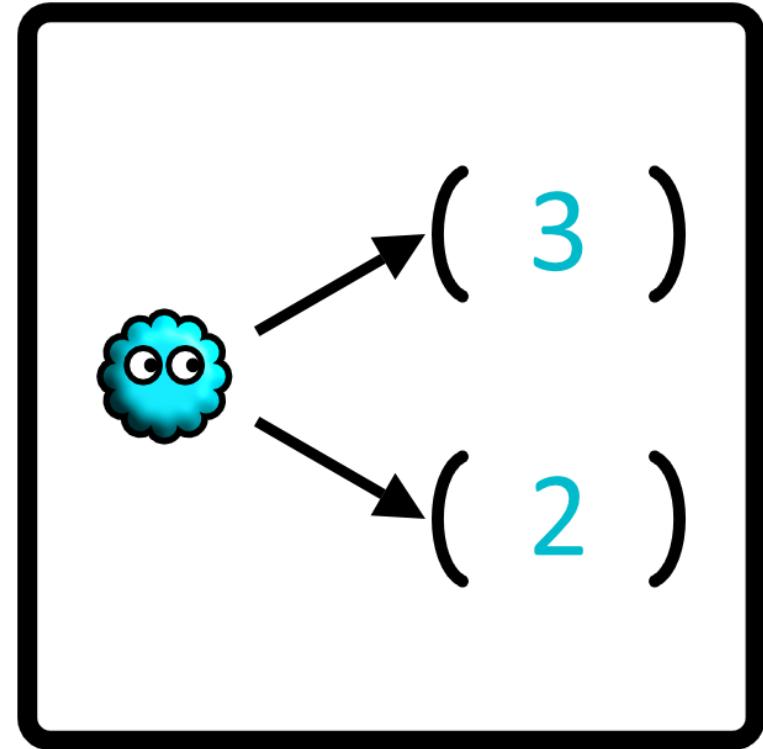
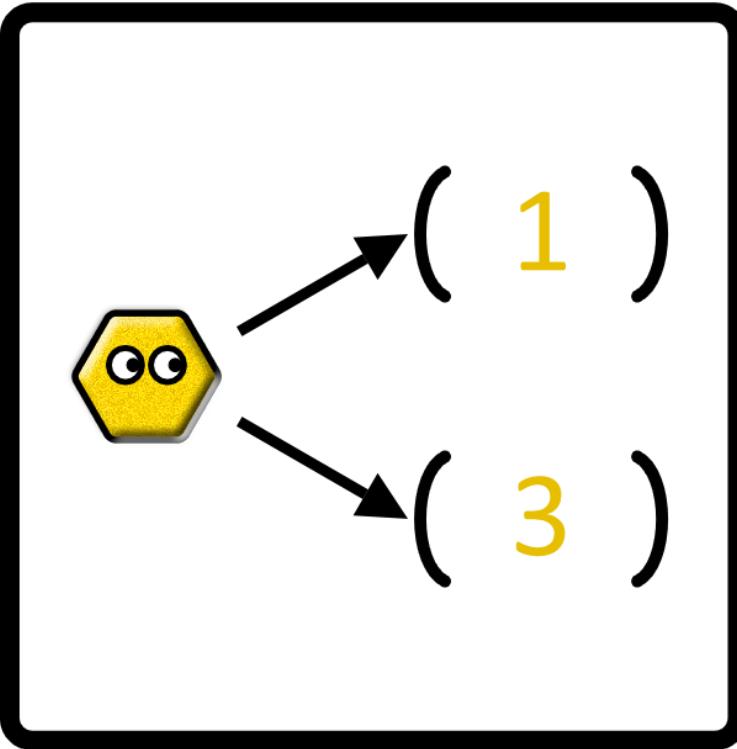
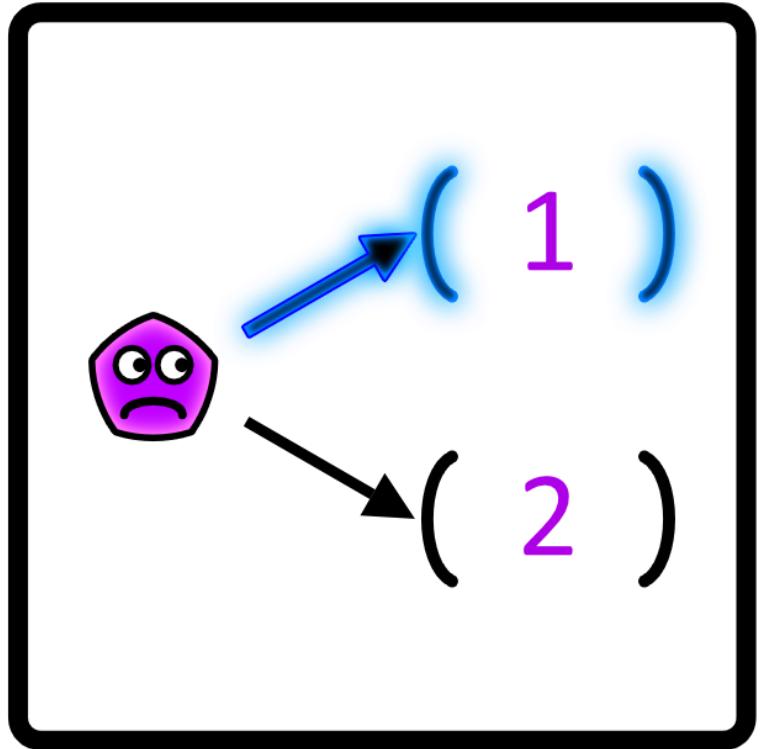
Notice how the avatar will feel depending on the number in the outcome compared to the alternative.



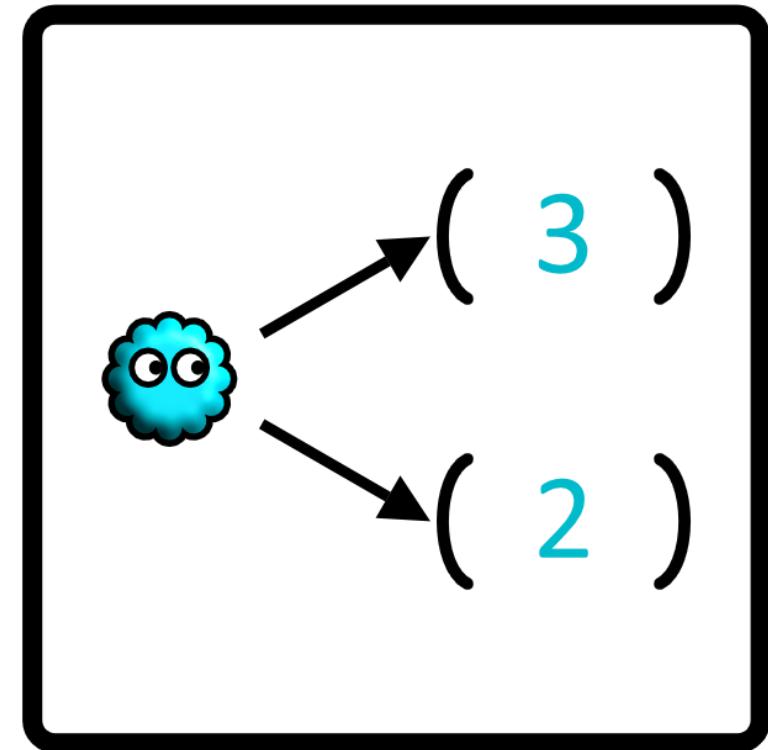
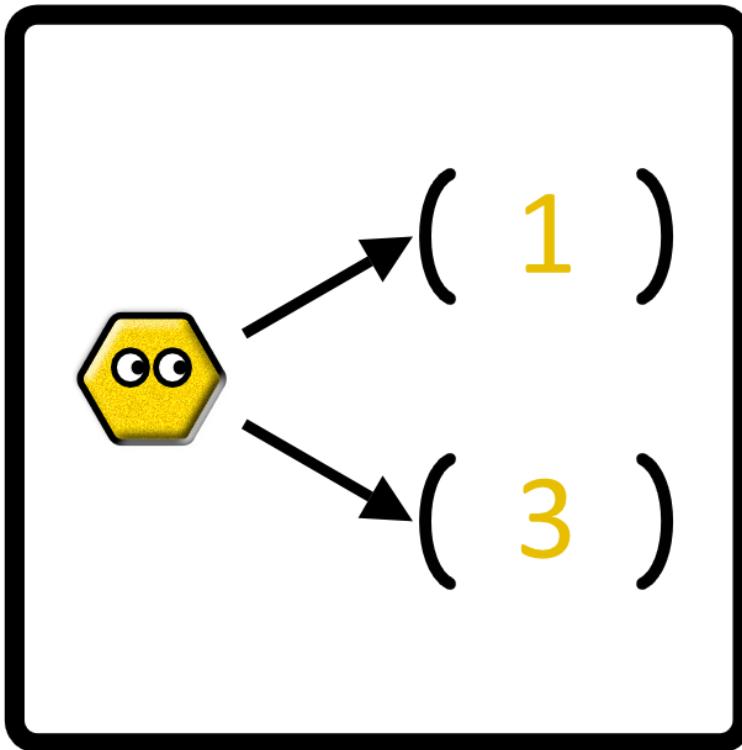
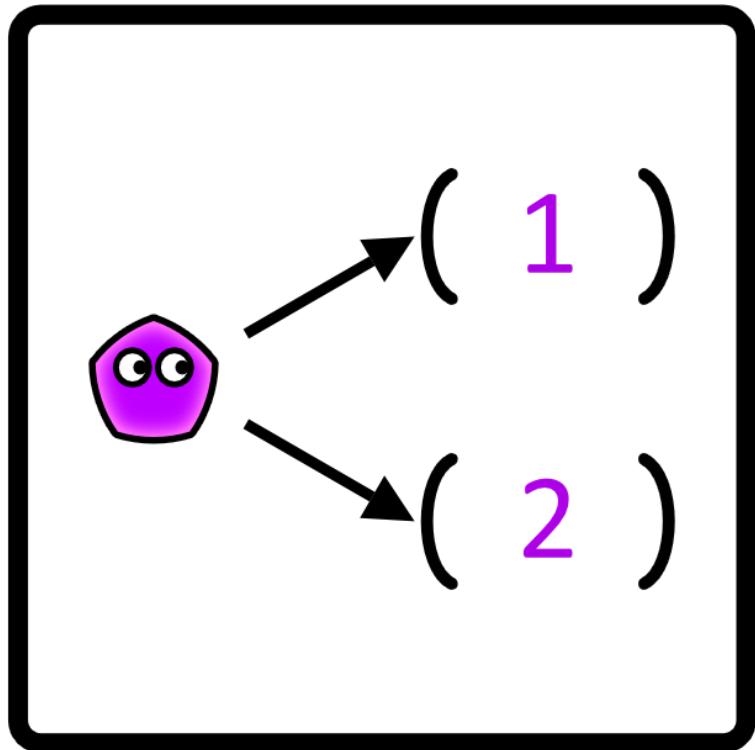
Notice how the avatar will feel depending on the number in the outcome compared to the alternative.



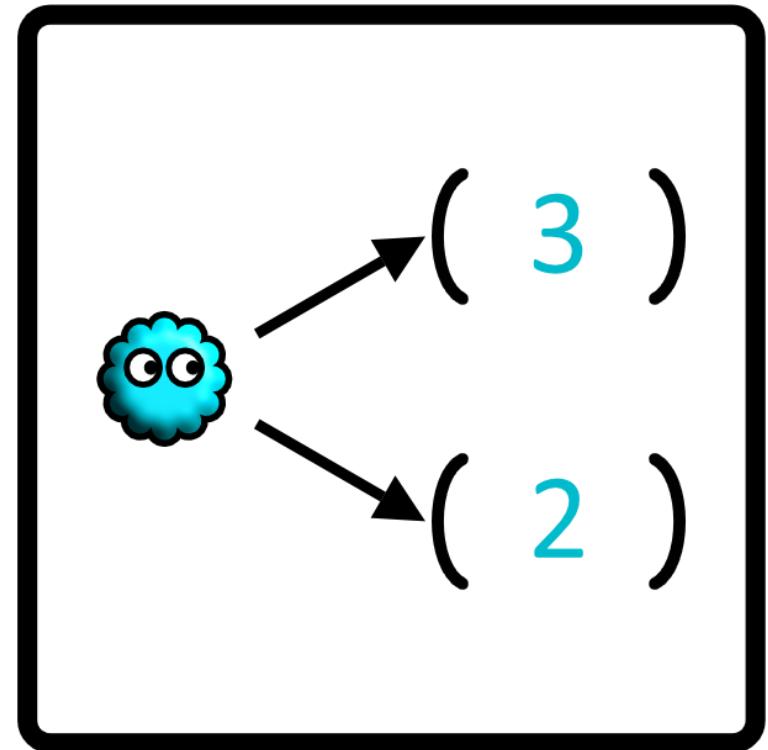
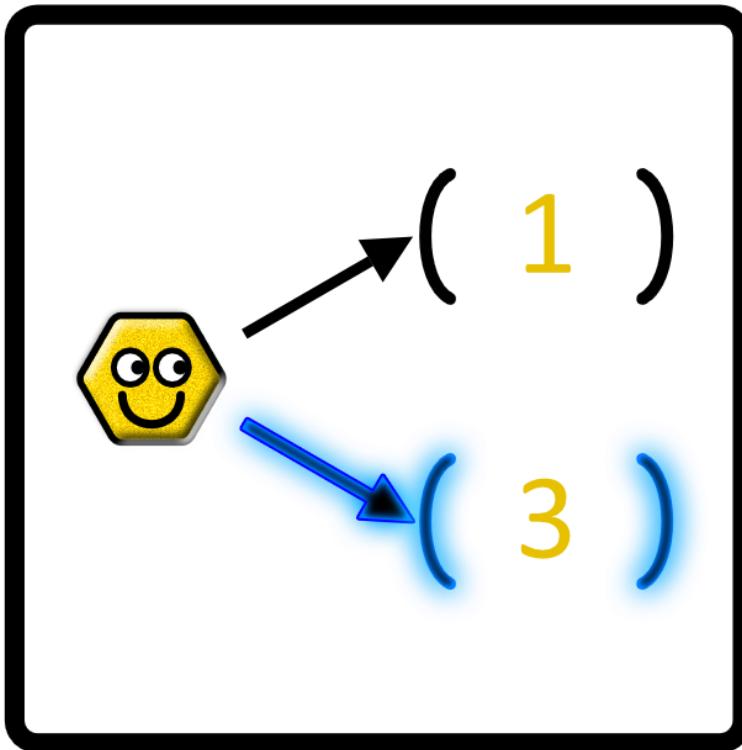
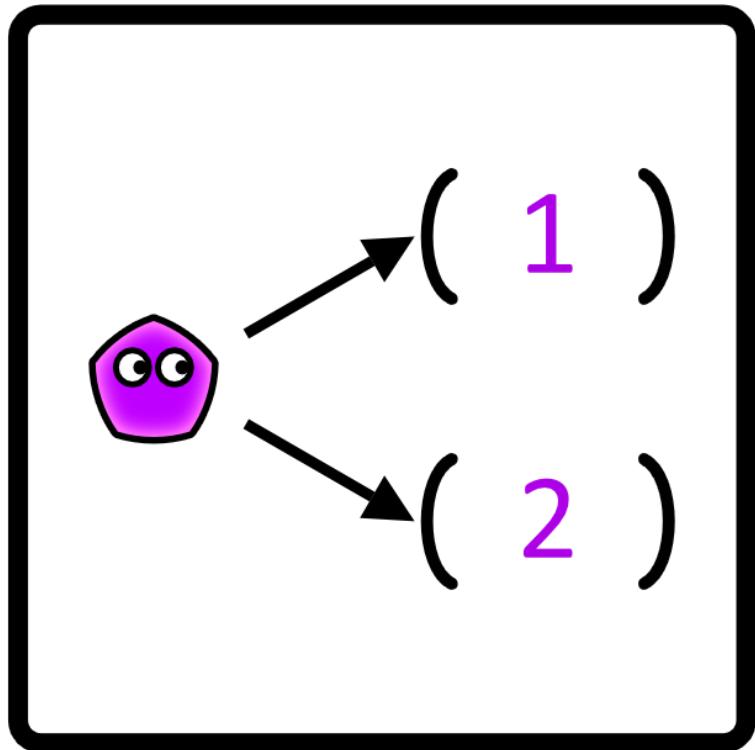
Notice how the avatar will feel depending on the number in the outcome compared to the alternative.



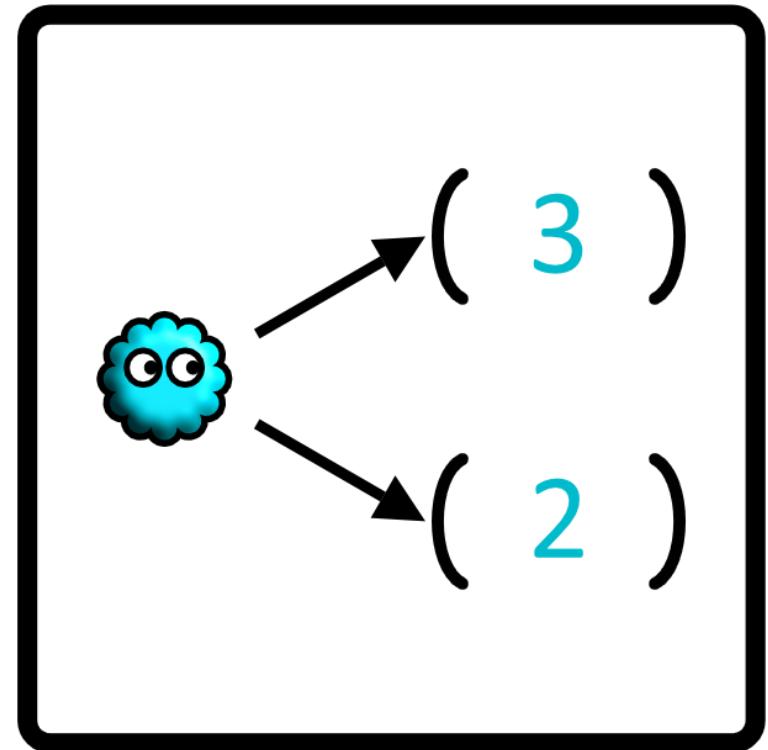
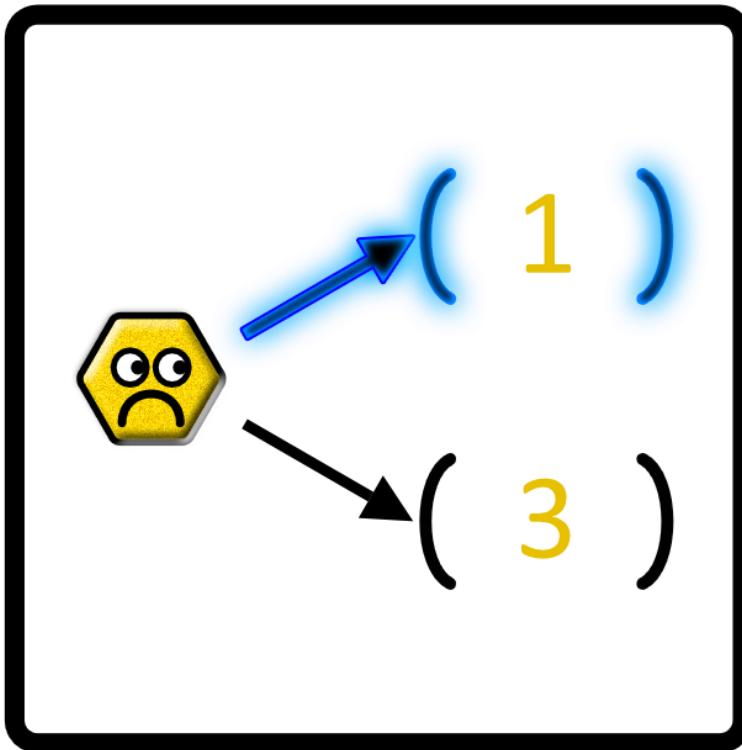
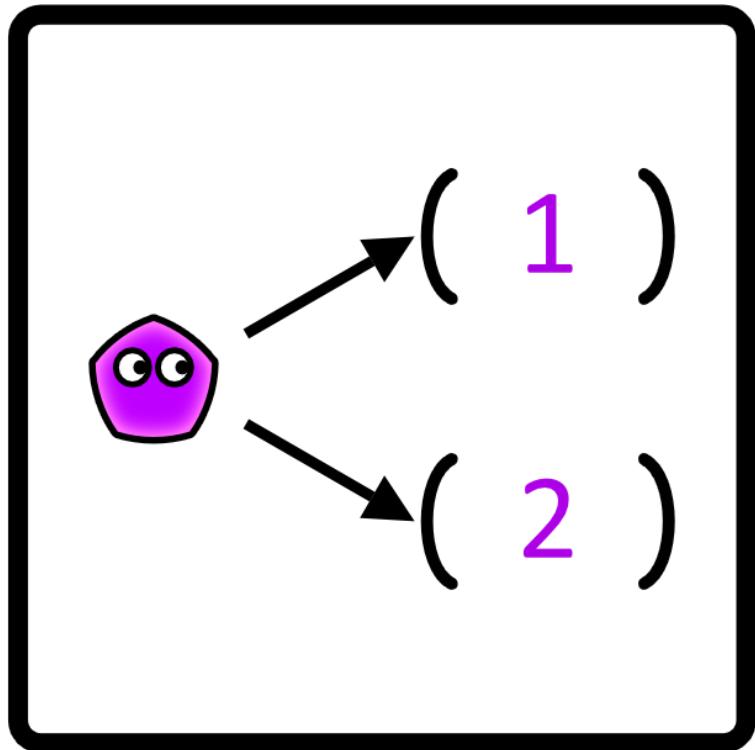
Notice how the avatar will feel depending on the number in the outcome compared to the alternative.



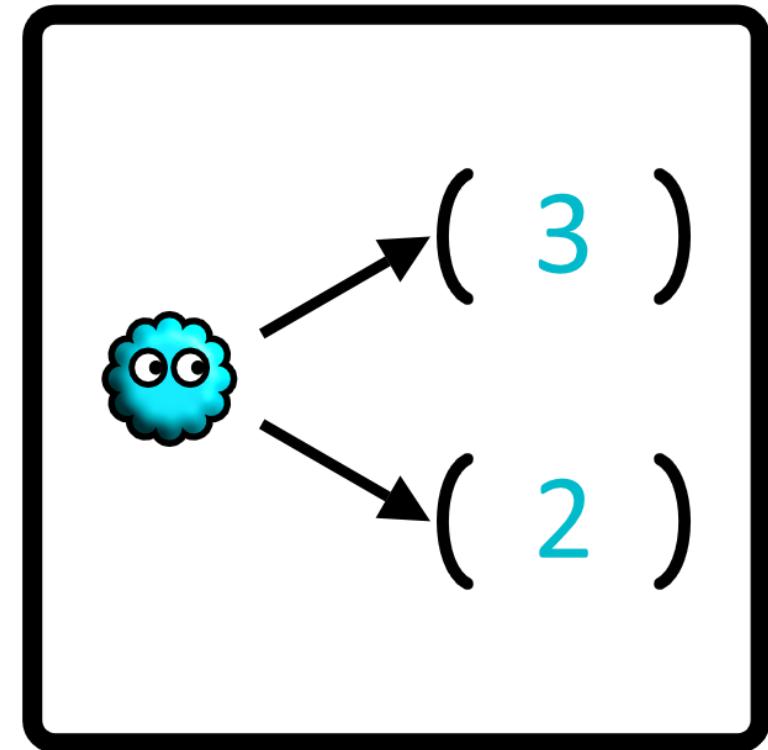
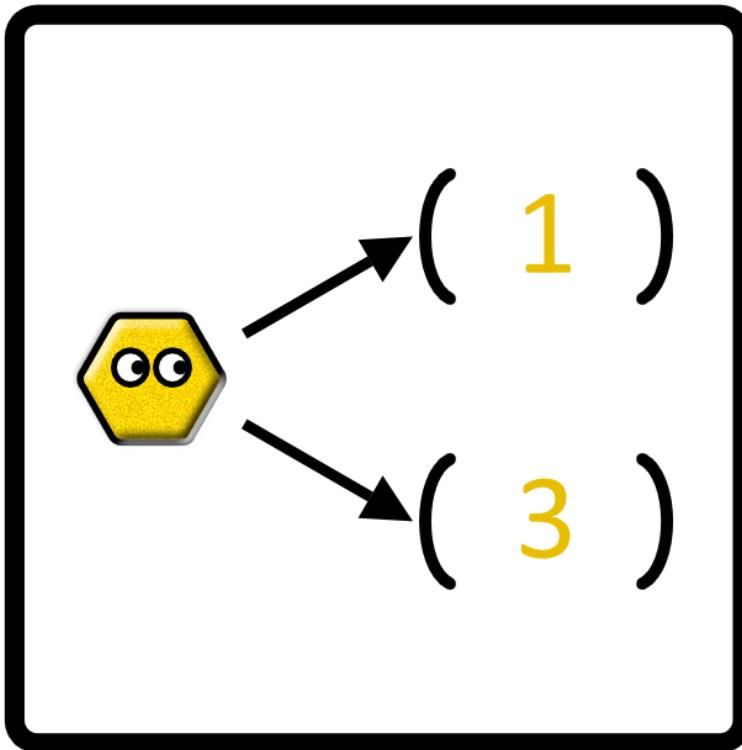
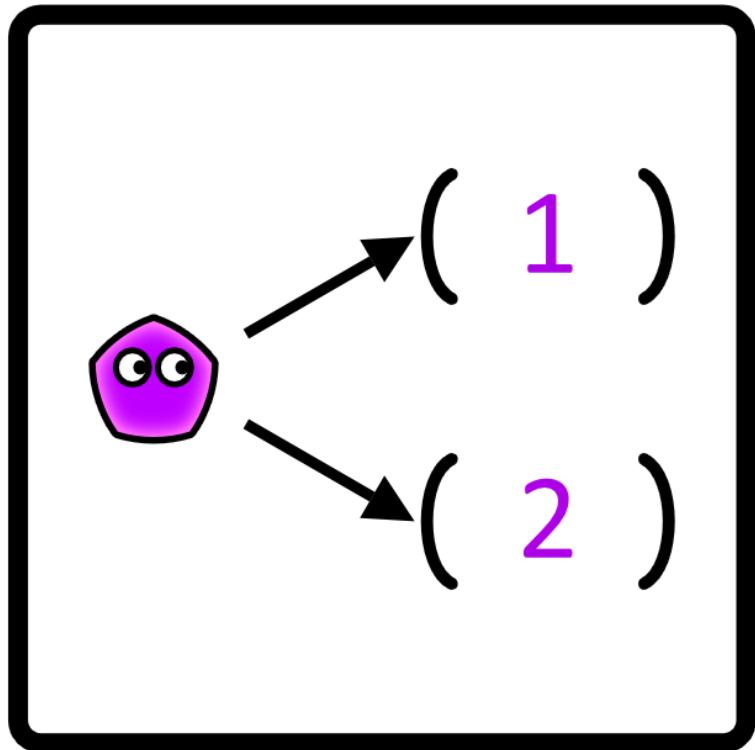
Notice how the avatar will feel depending on the number in the outcome compared to the alternative.



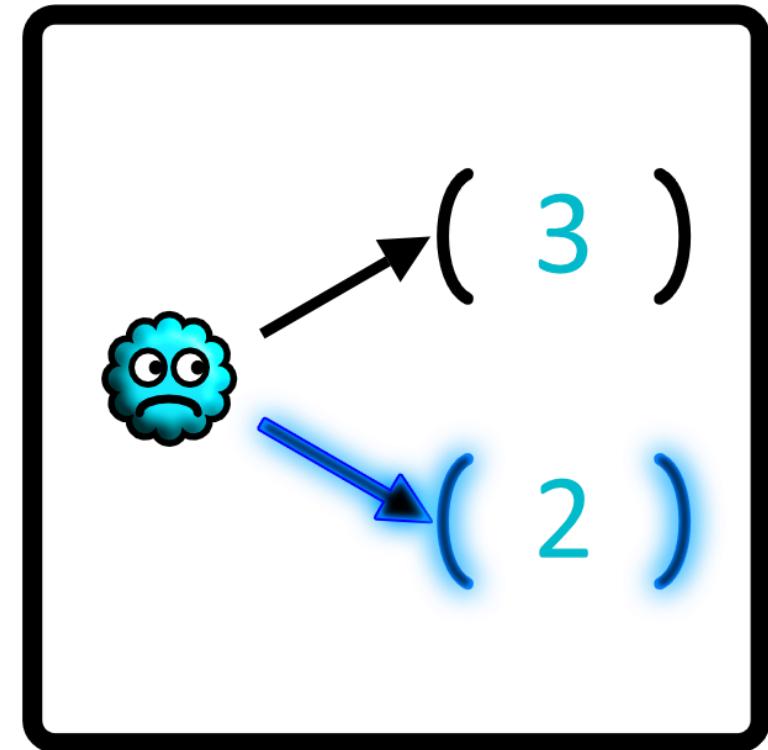
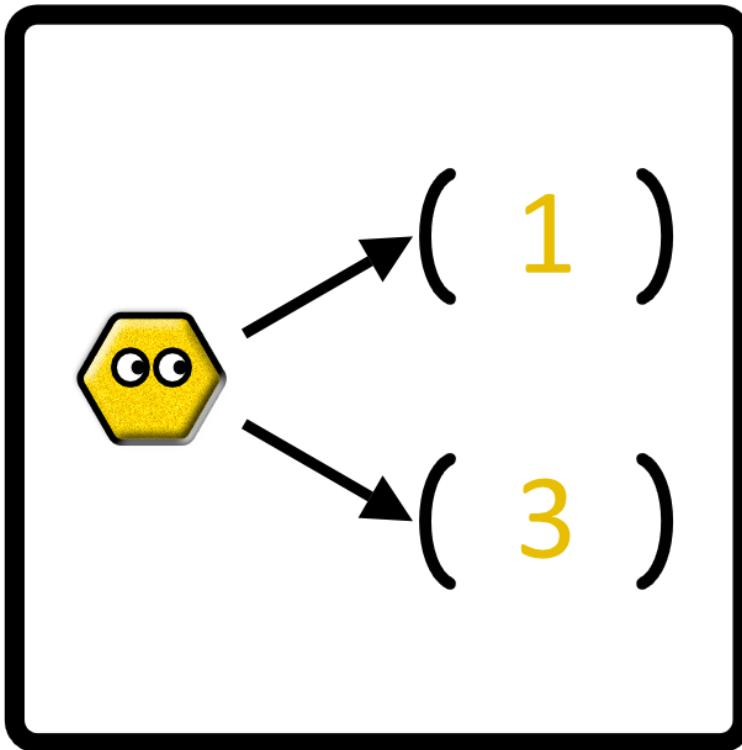
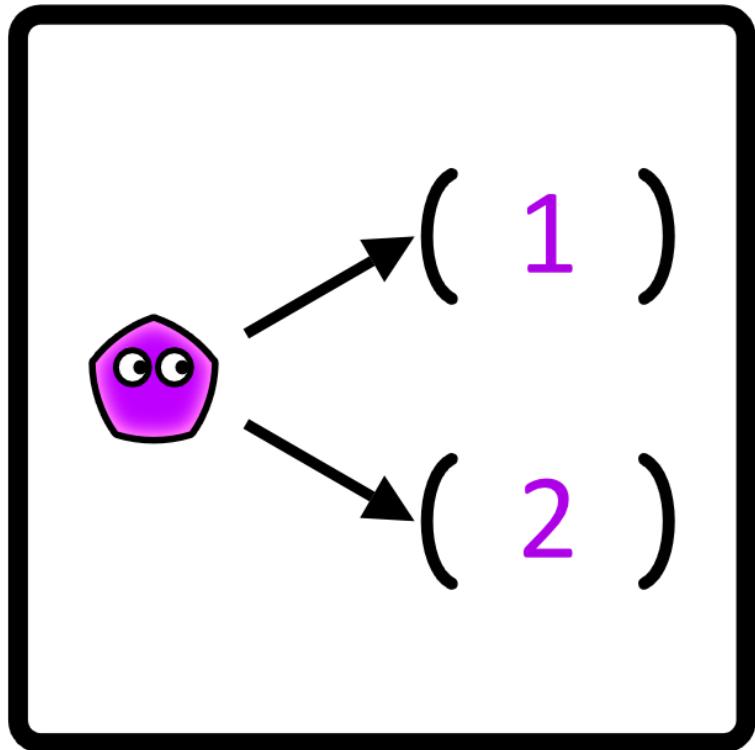
Notice how the avatar will feel depending on the number in the outcome compared to the alternative.



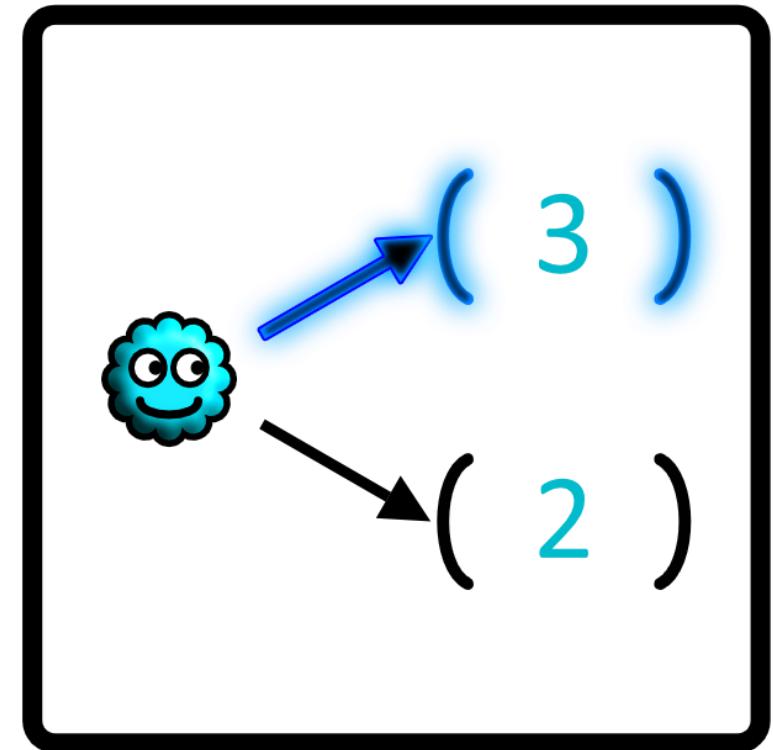
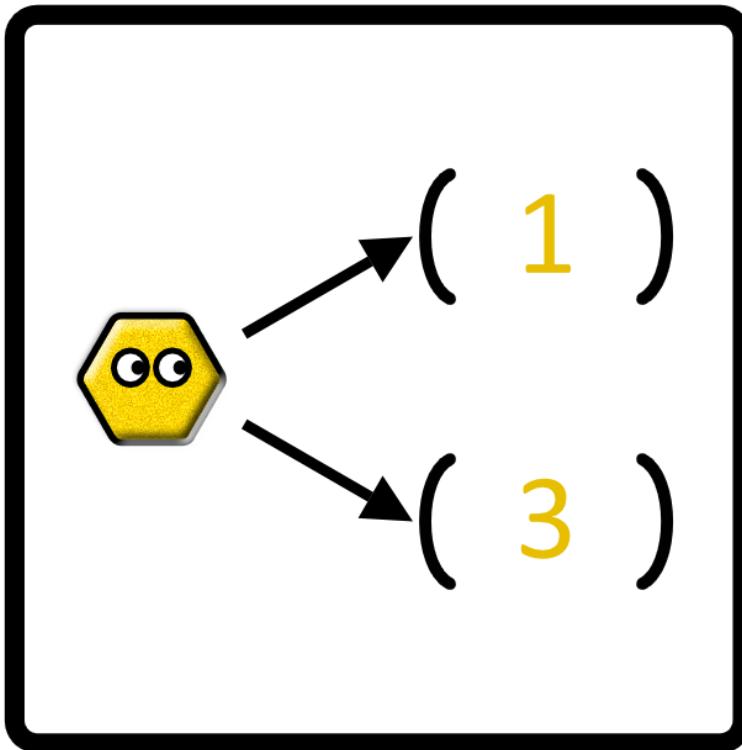
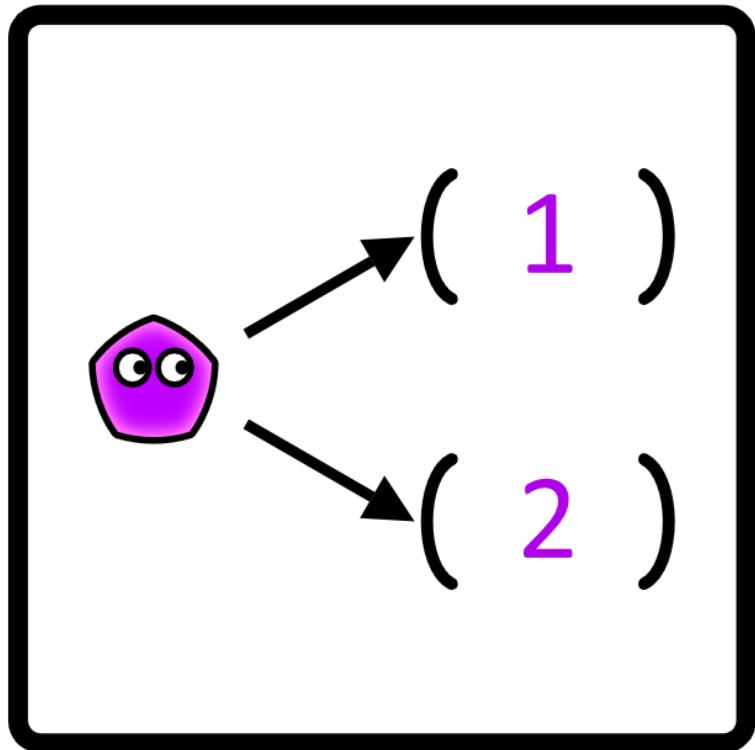
Notice how the avatar will feel depending on the number in the outcome compared to the alternative.

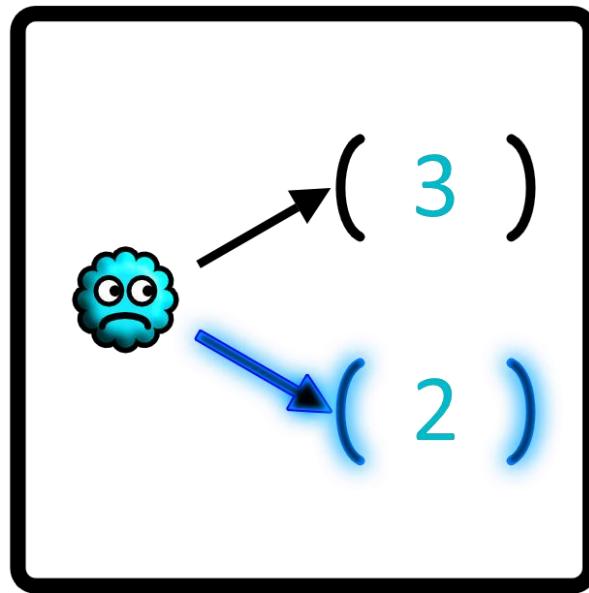
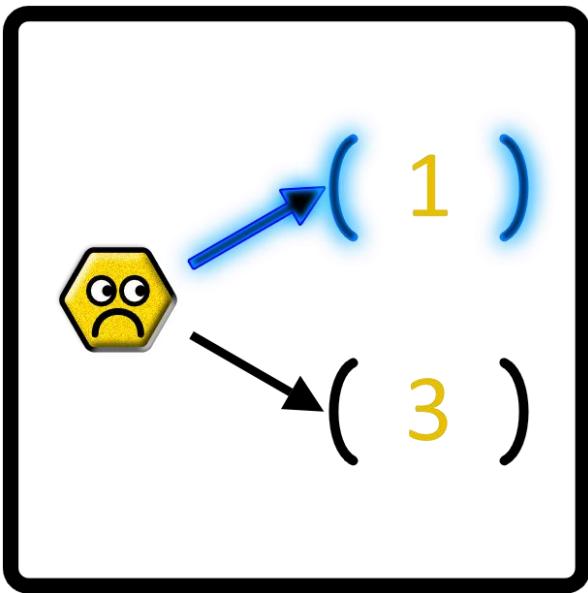
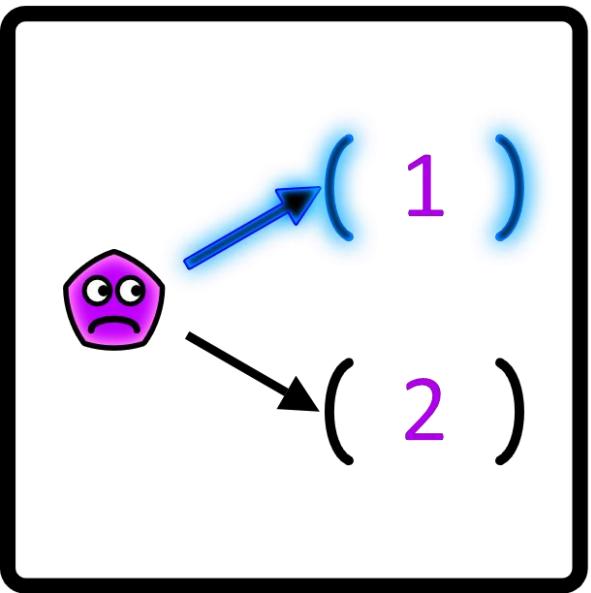
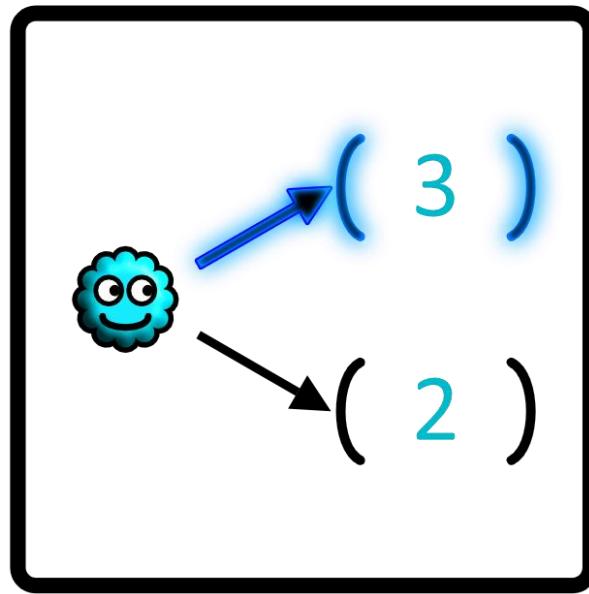
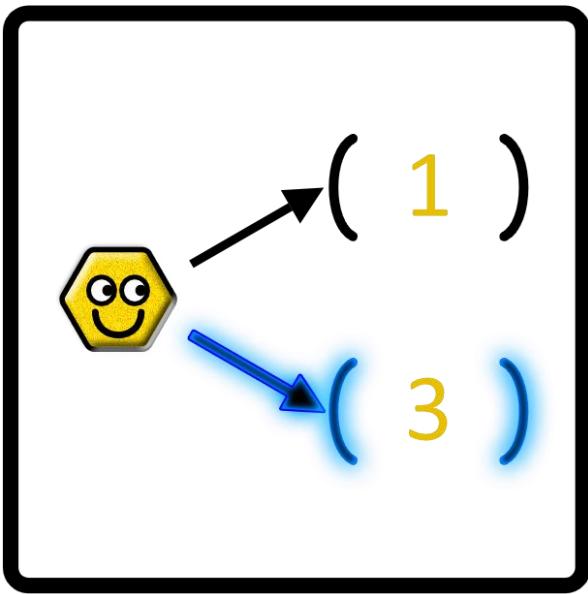
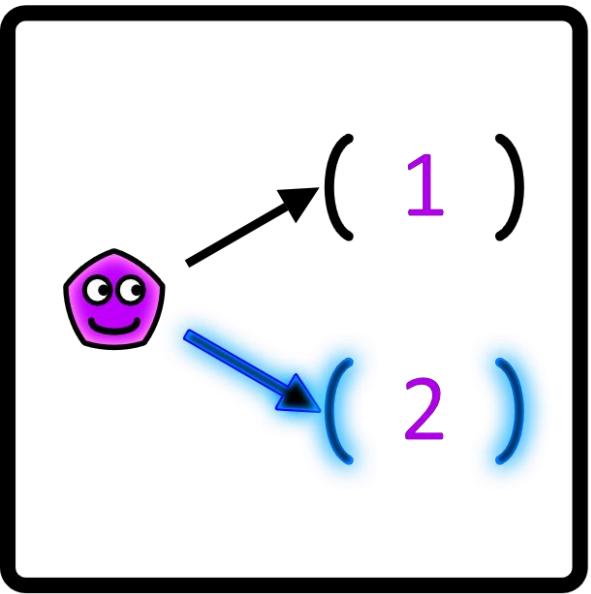


Notice how the avatar will feel depending on the number in the outcome compared to the alternative.

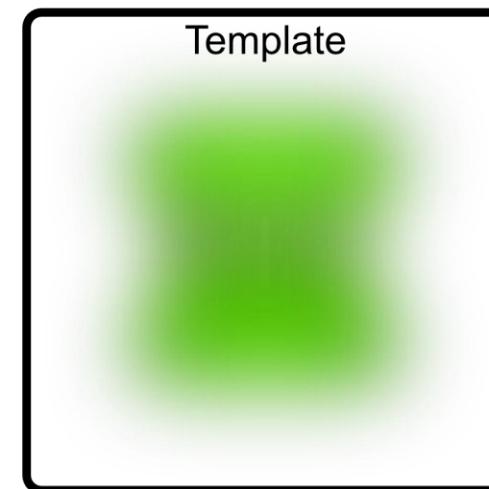
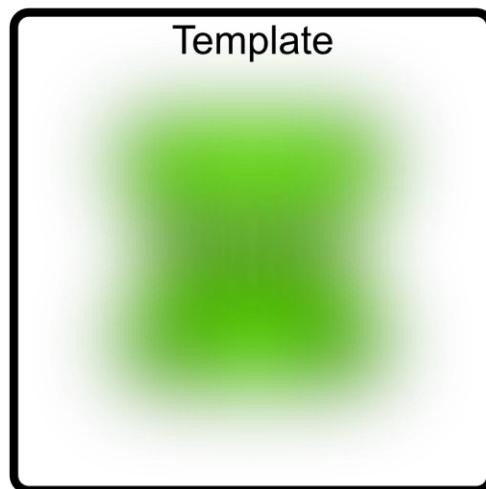
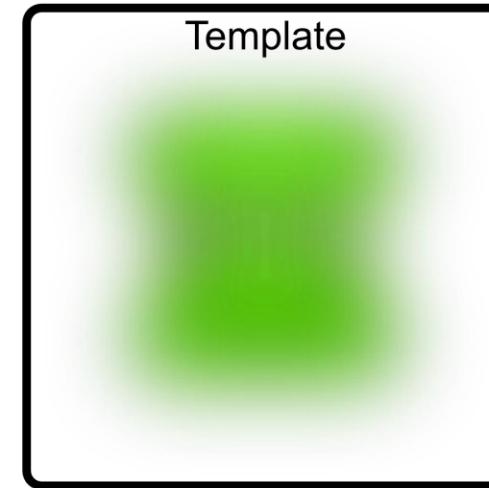
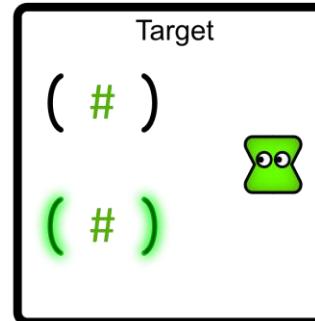
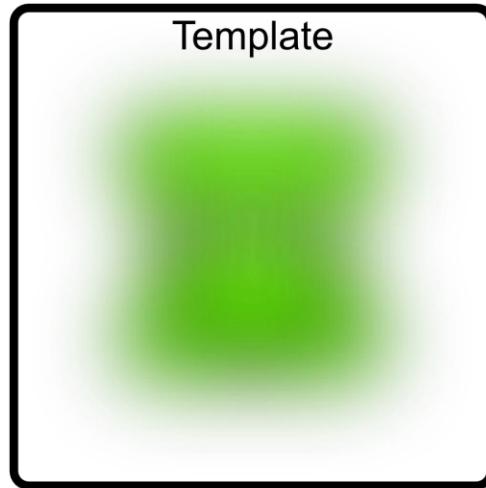


Notice how the avatar will feel depending on the number in the outcome compared to the alternative.

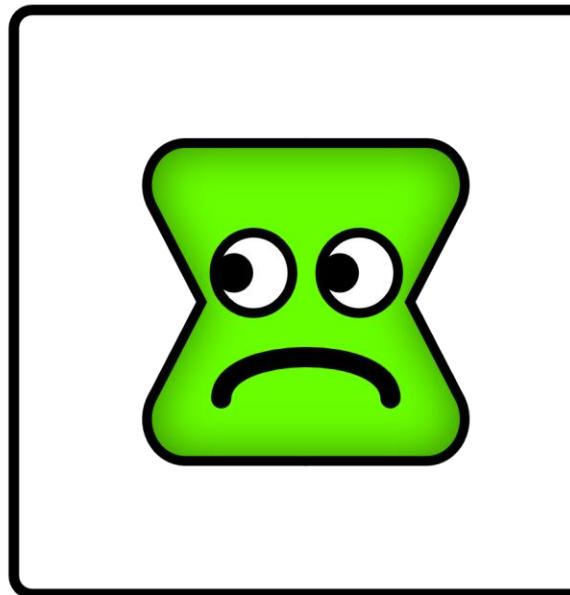
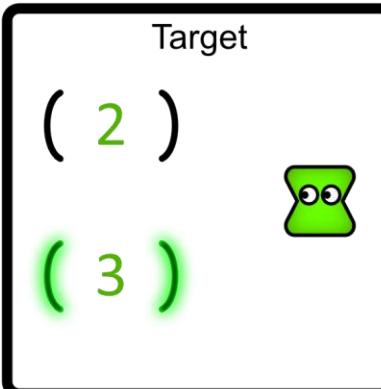
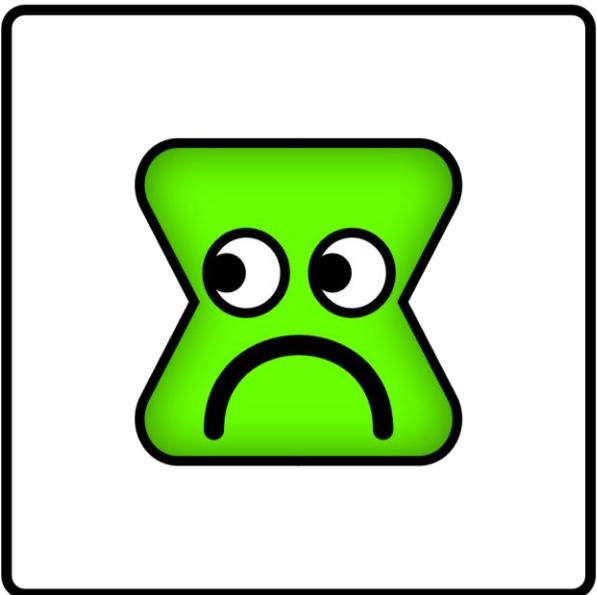
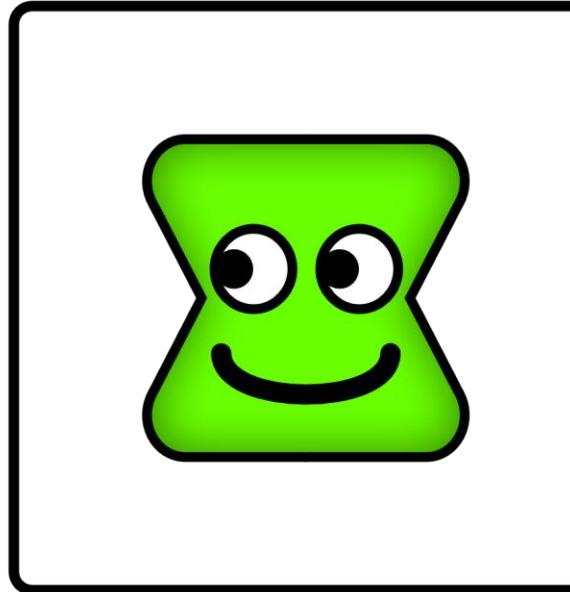
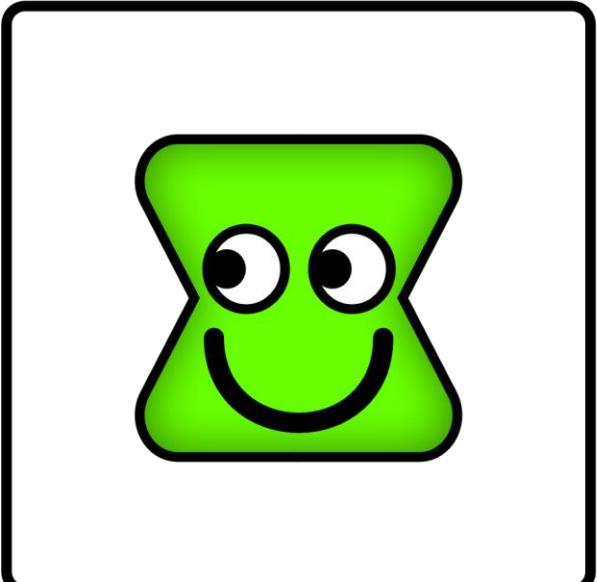




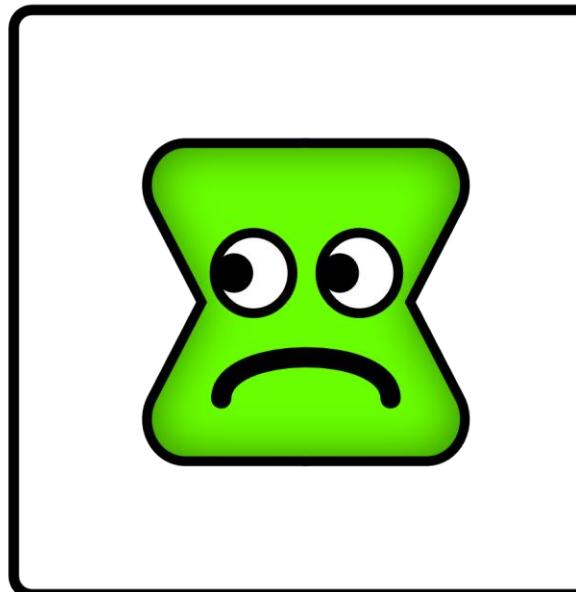
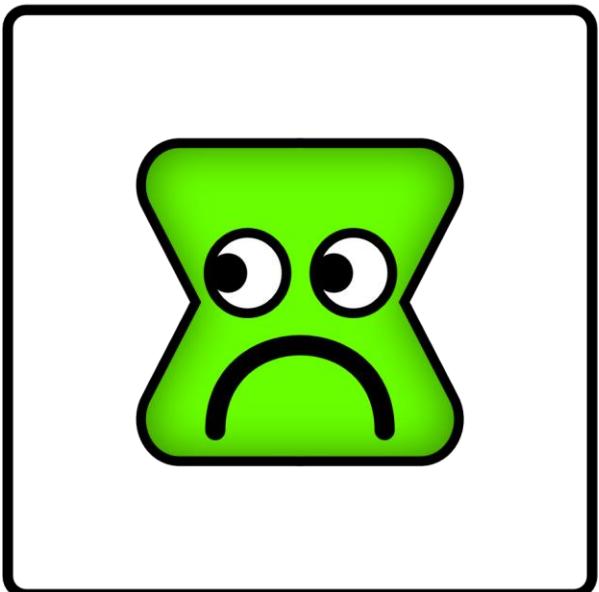
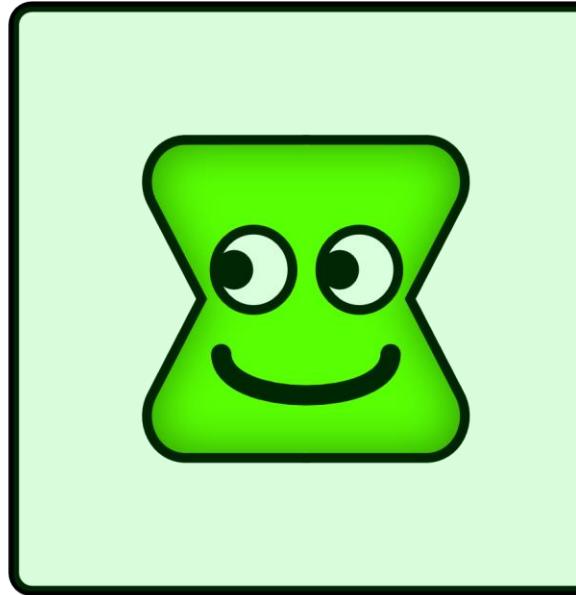
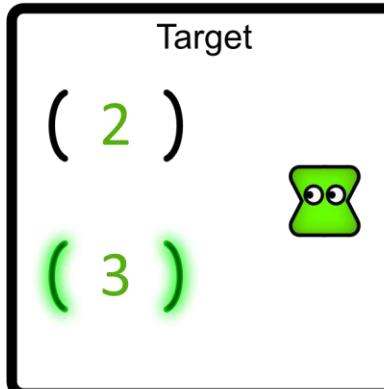
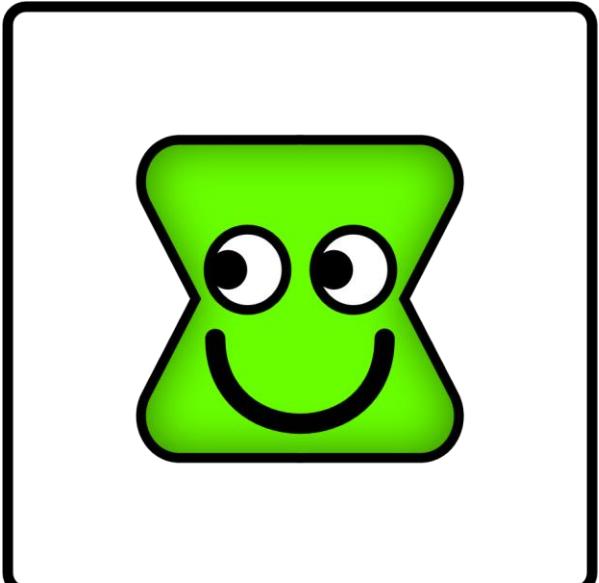
You will now be asked to predict which template best matches how the avatar will feel as a result of the outcome in the target square. The following represent situations where the avatar passively receives a number without choosing.



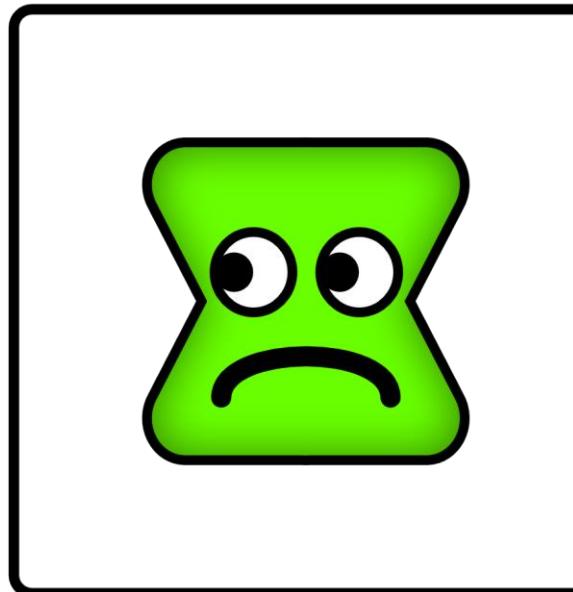
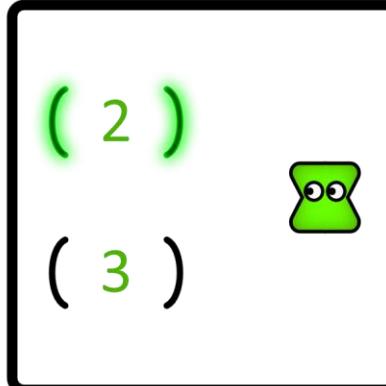
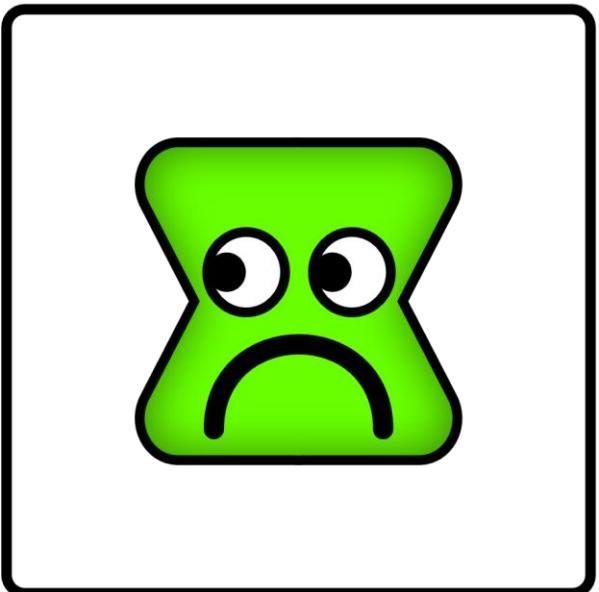
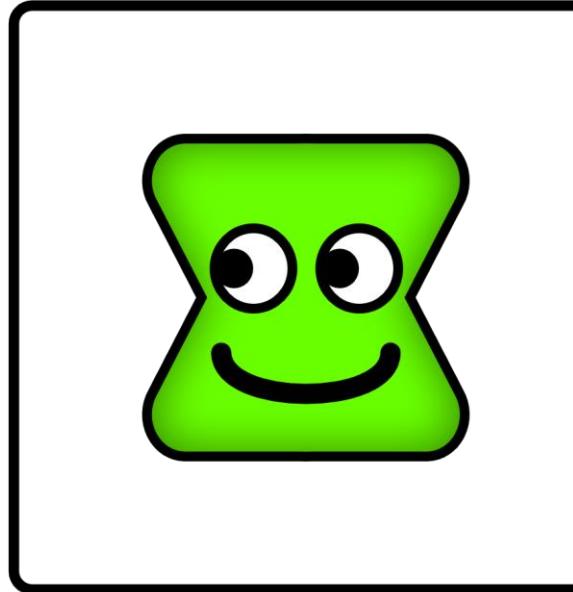
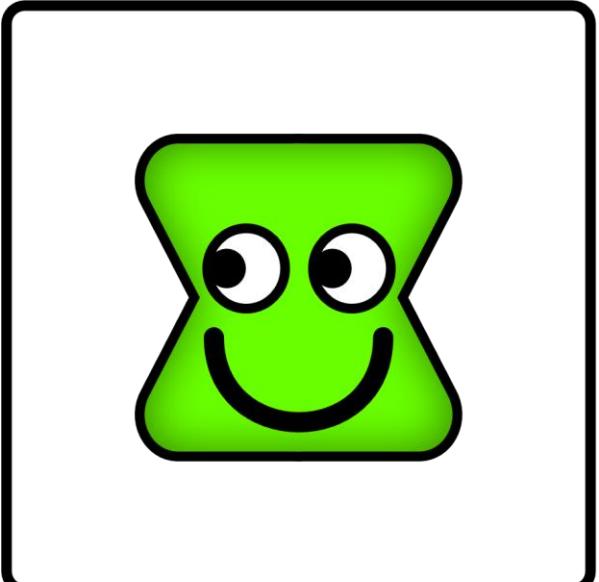
Which template best matches how the avatar will feel as a result of the outcome in the target square?



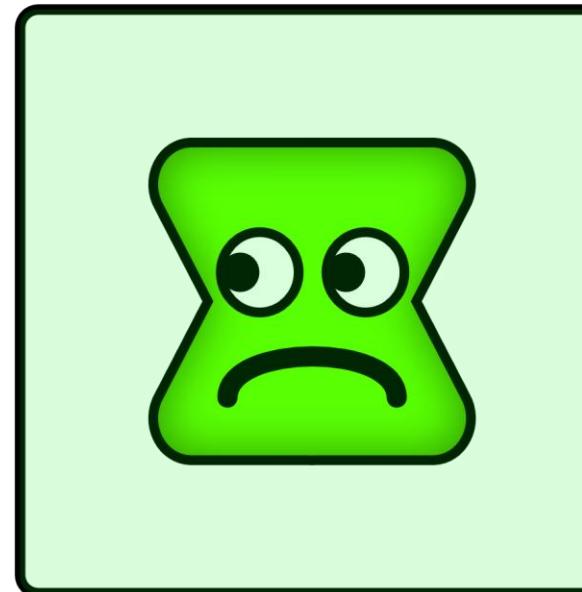
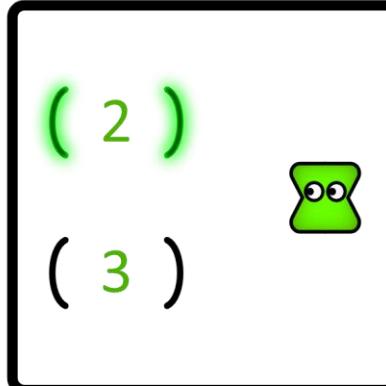
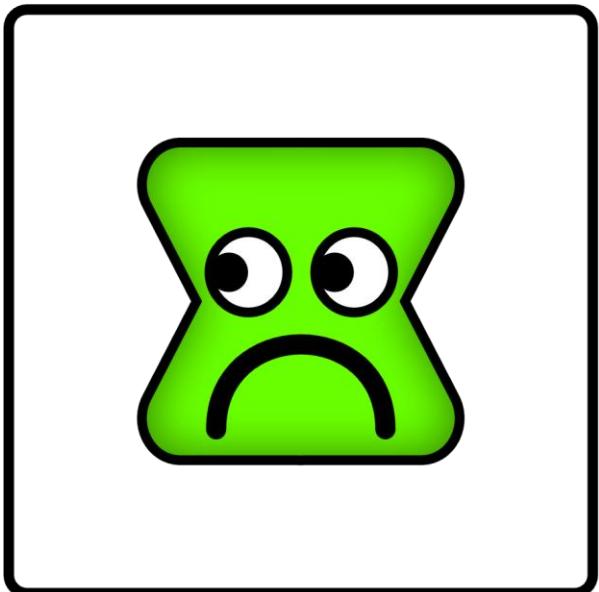
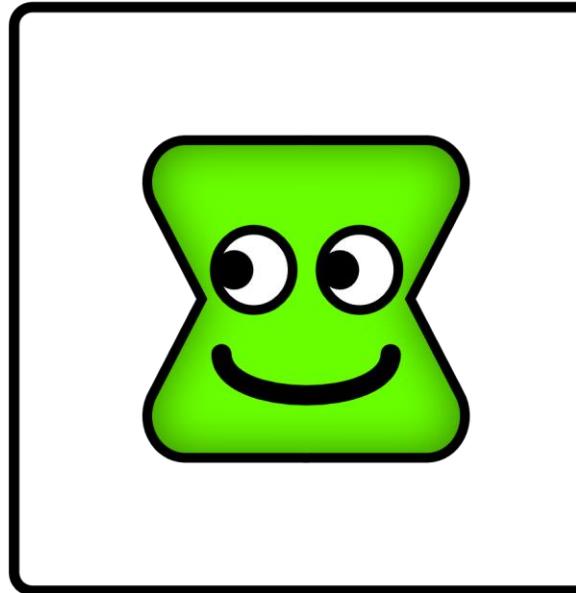
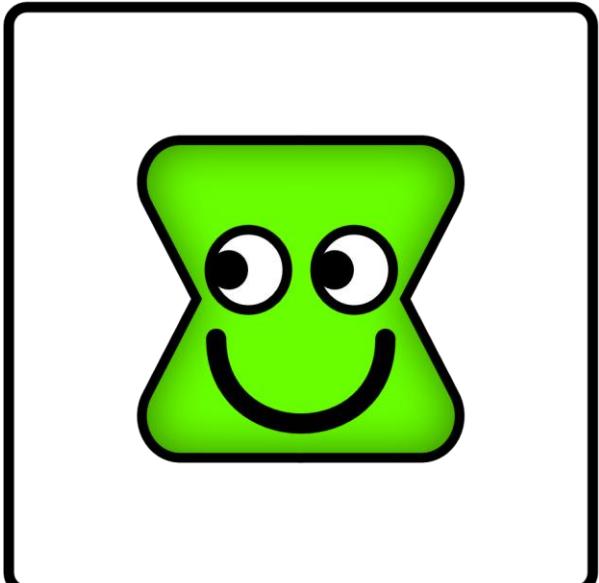
Which template best matches how the avatar will feel as a result of the outcome in the target square?



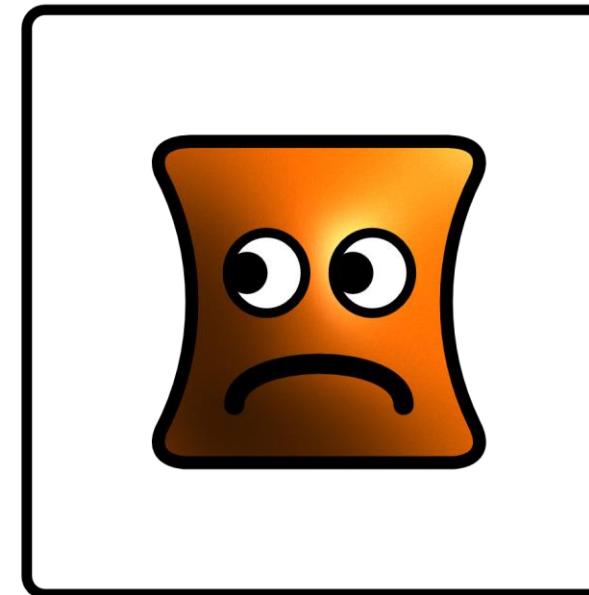
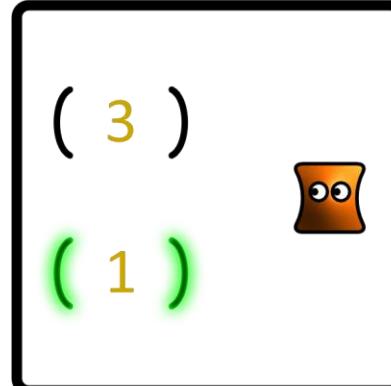
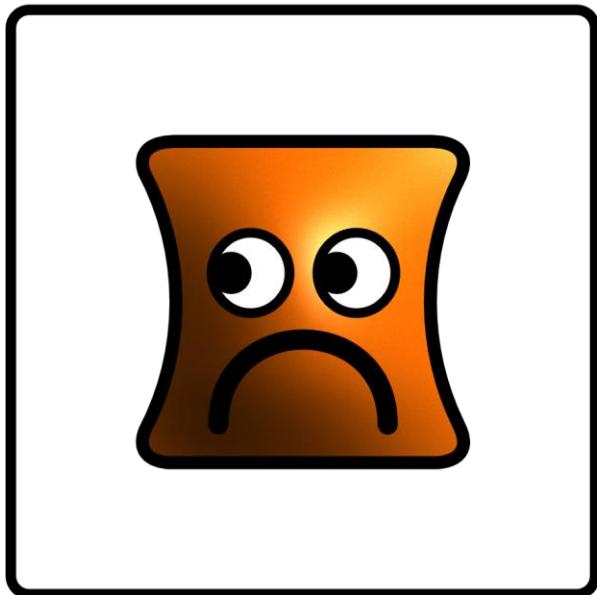
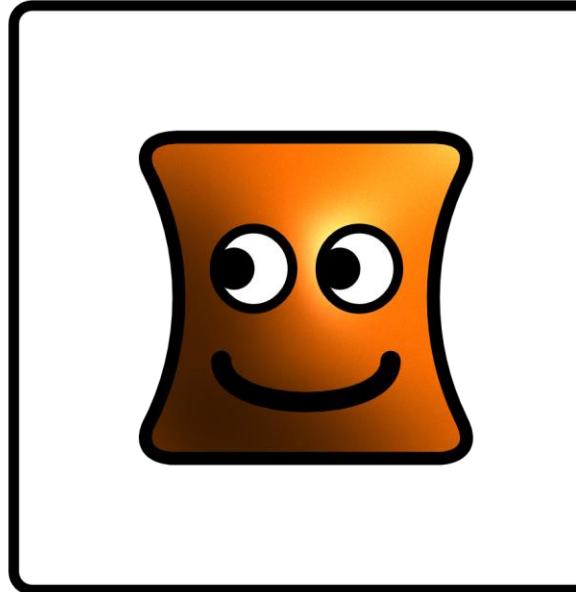
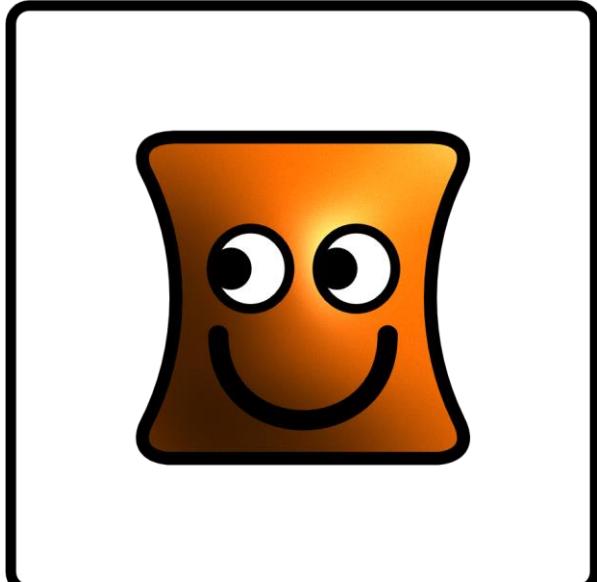
Which template best matches how the avatar will feel as a result of the outcome in the target square?



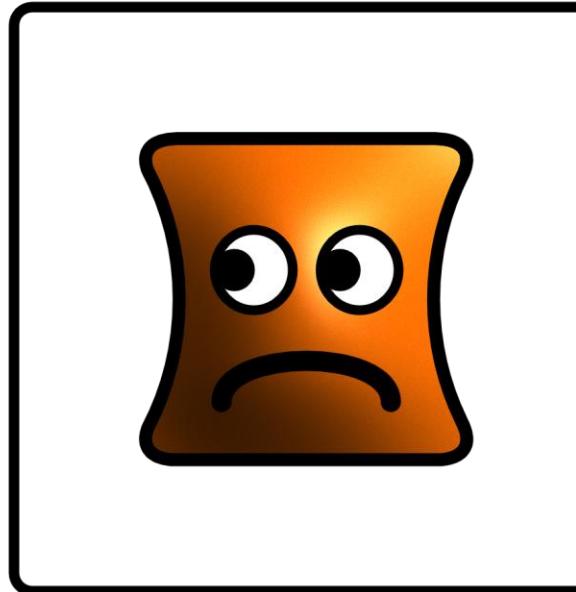
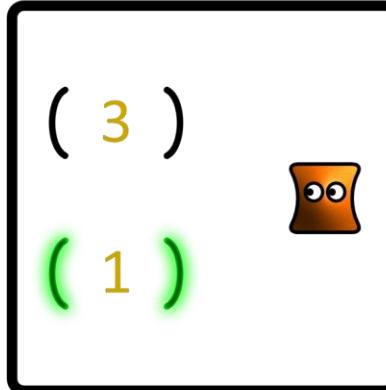
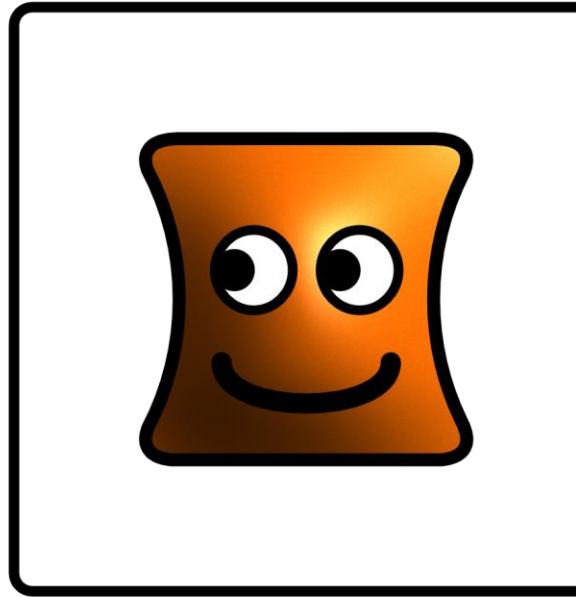
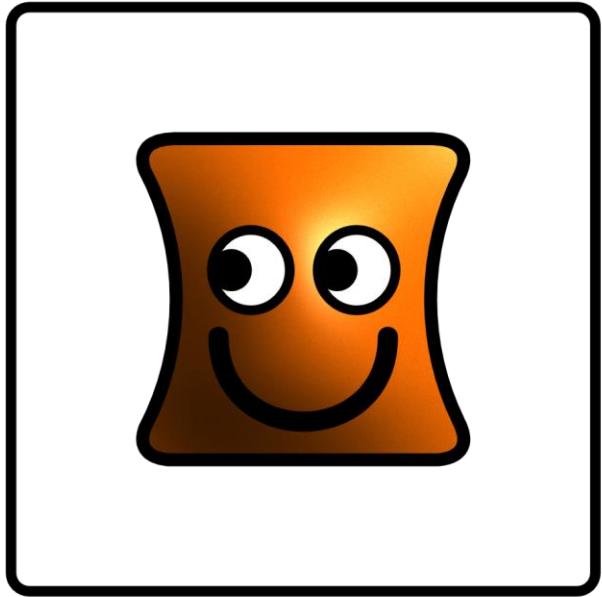
Which template best matches how the avatar will feel as a result of the outcome in the target square?



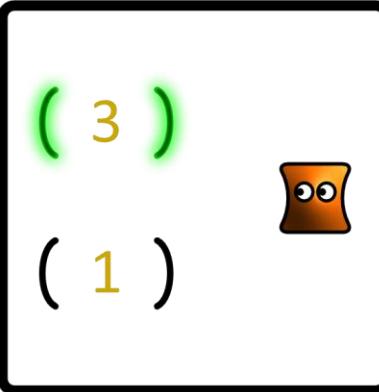
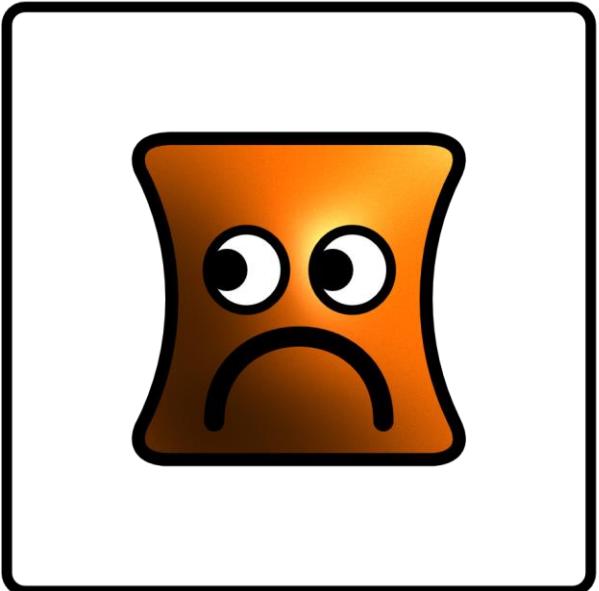
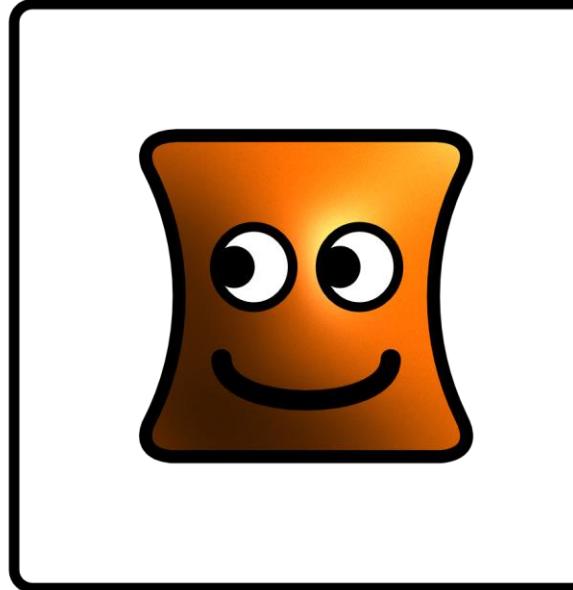
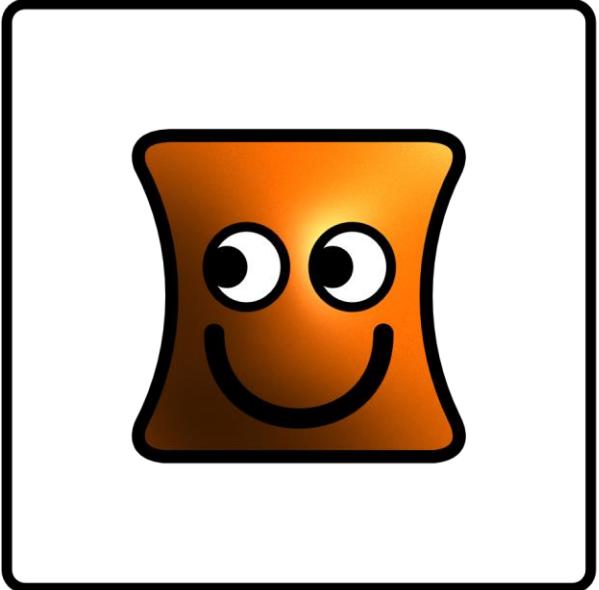
Which template best matches how the avatar will feel as a result of the outcome in the target square?



Which template best matches how the avatar will feel as a result of the outcome in the target square?

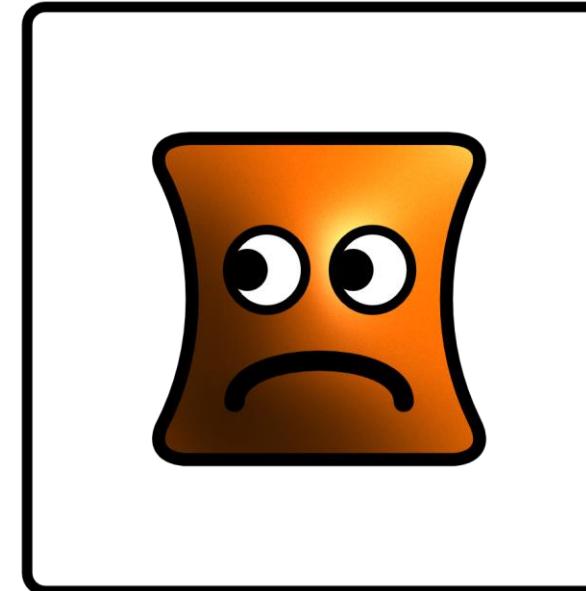


Select the template that best matches how the avatar will feel as a result of the outcome in the target square.

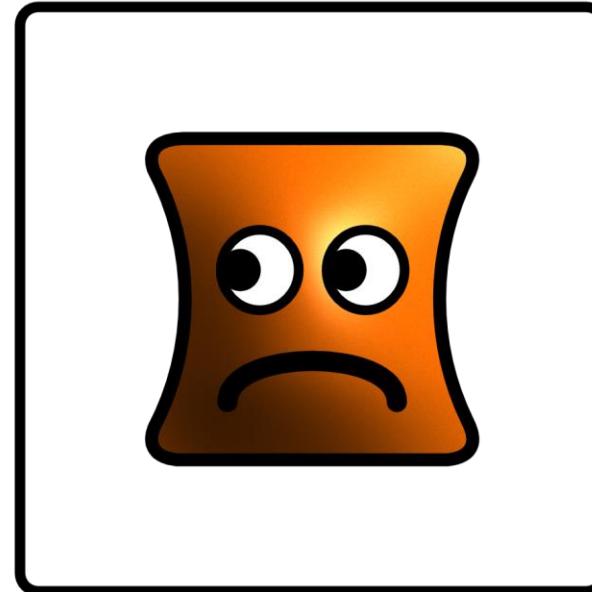
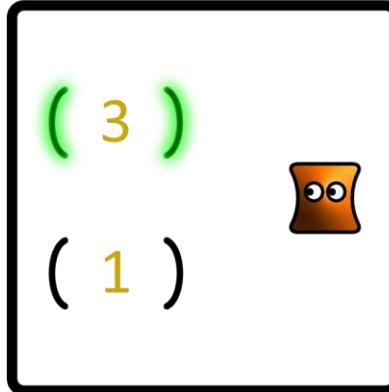
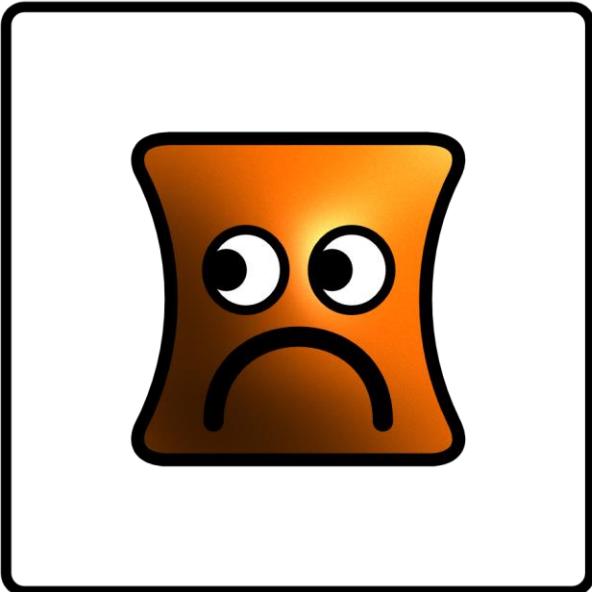
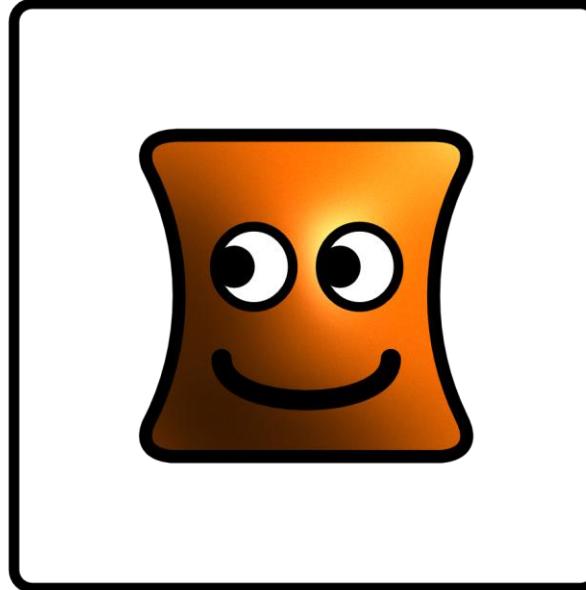
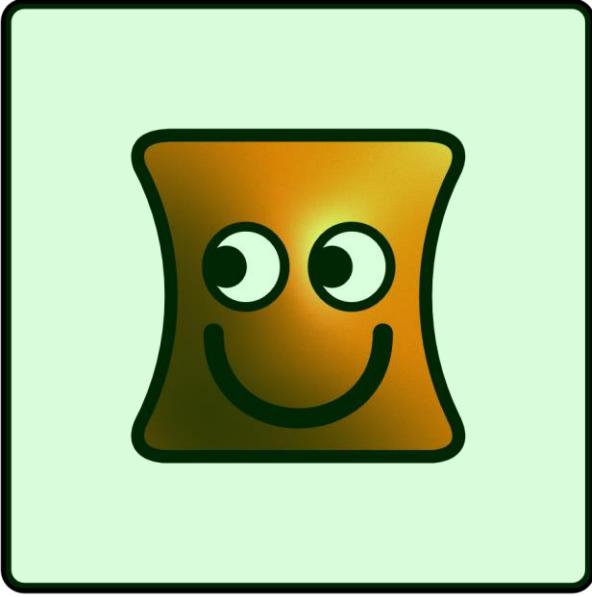


( 3 )

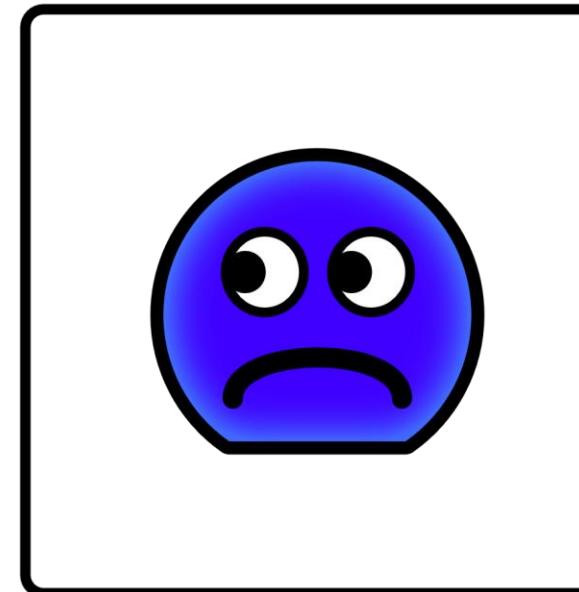
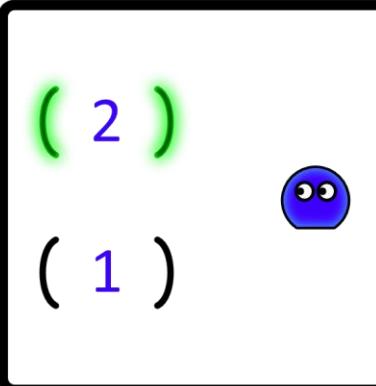
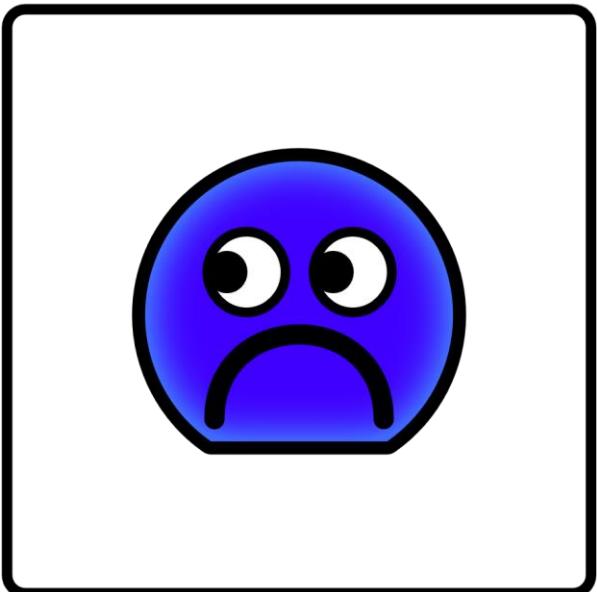
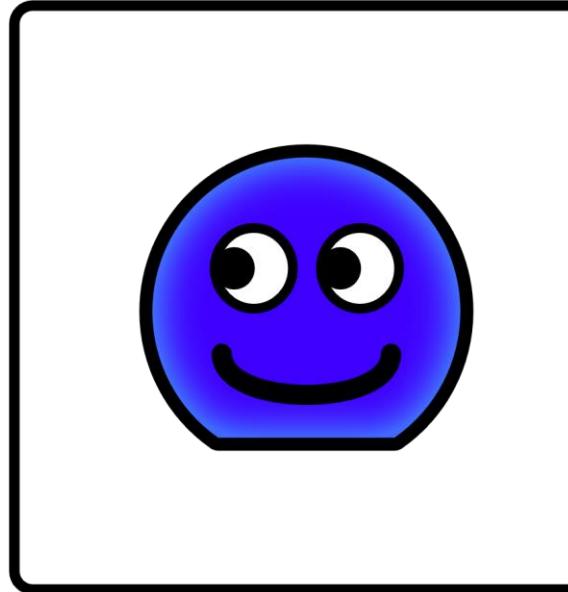
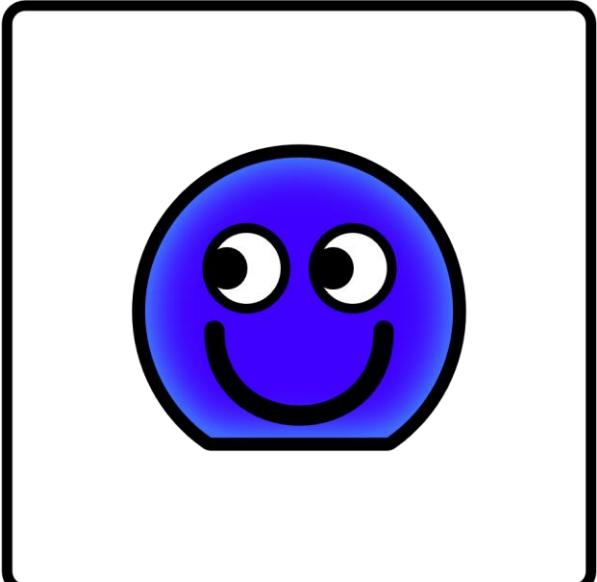
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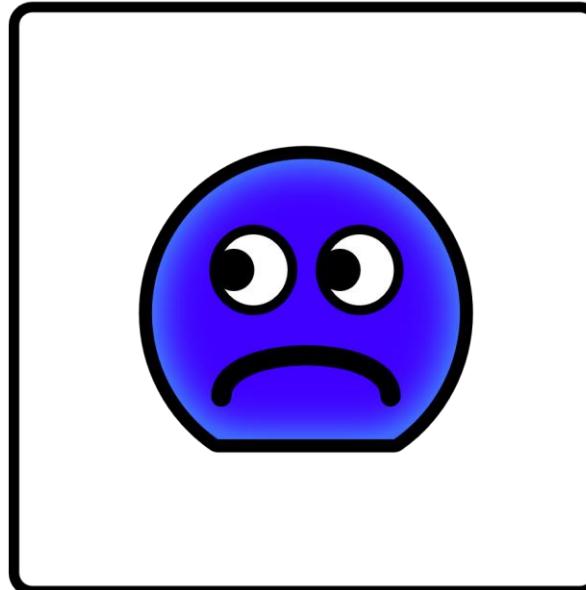
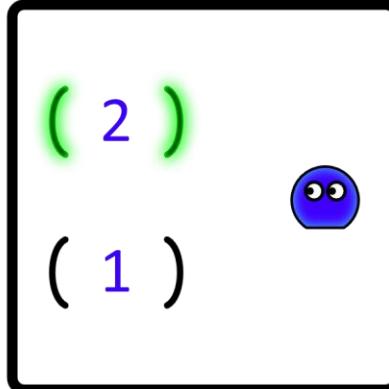
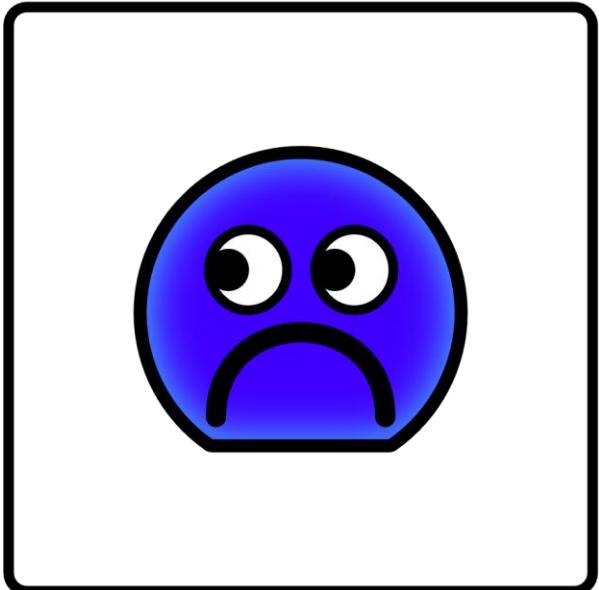
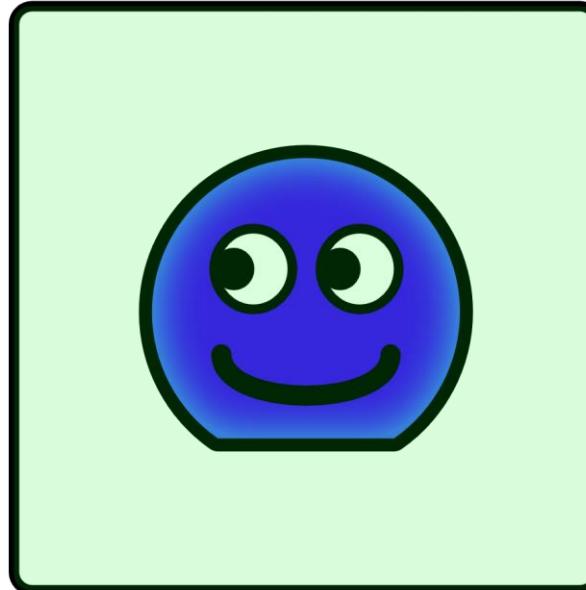
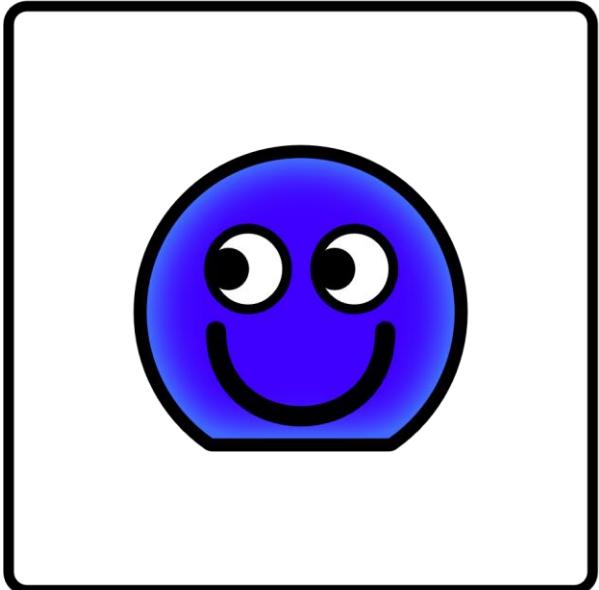
Select the template that best matches how the avatar will feel as a result of the outcome in the target square.



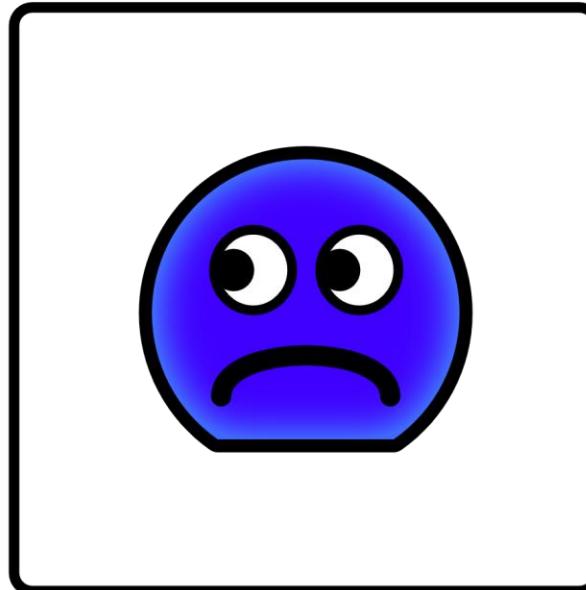
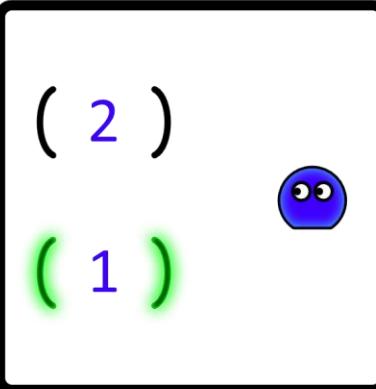
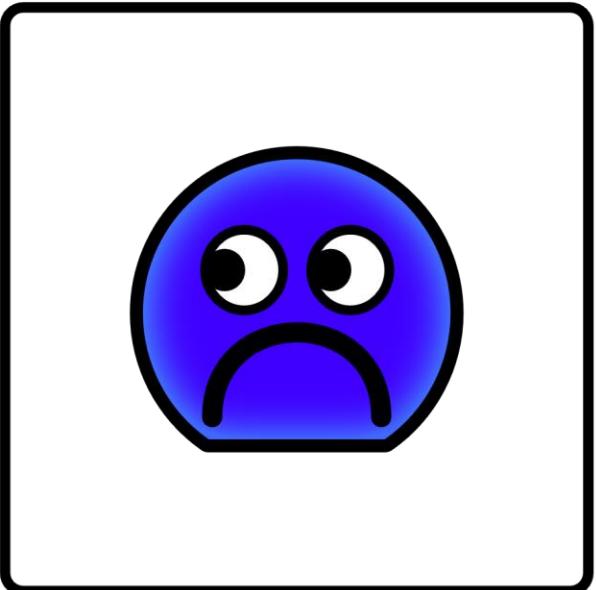
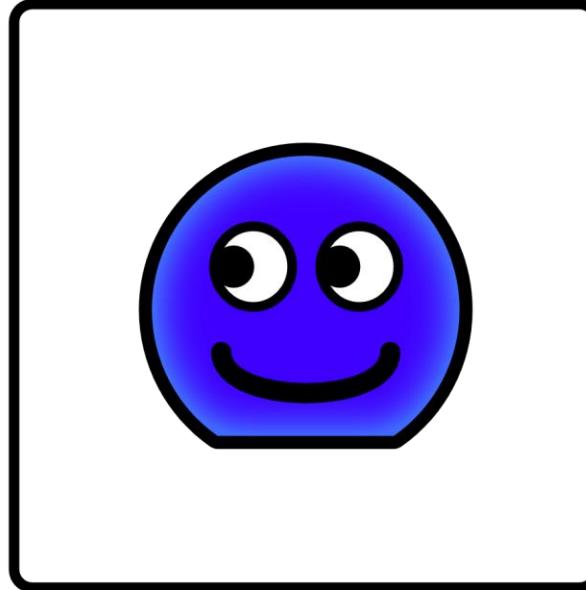
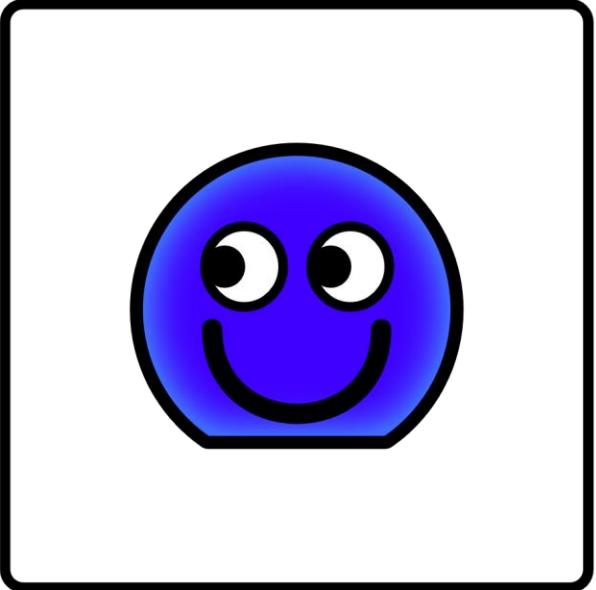
Which template best matches how the avatar will feel as a result of the outcome in the target square?



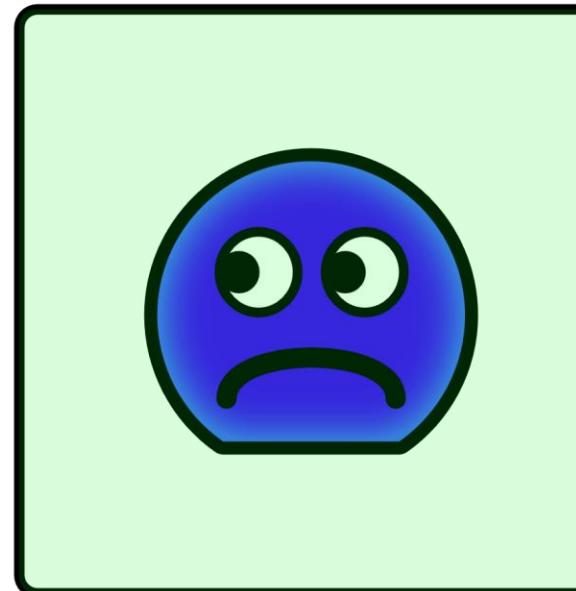
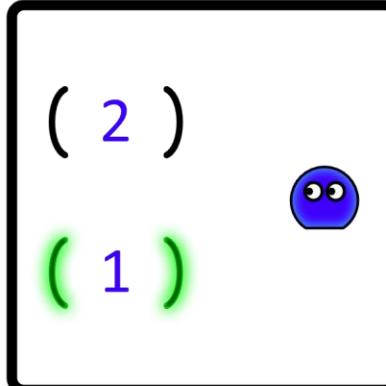
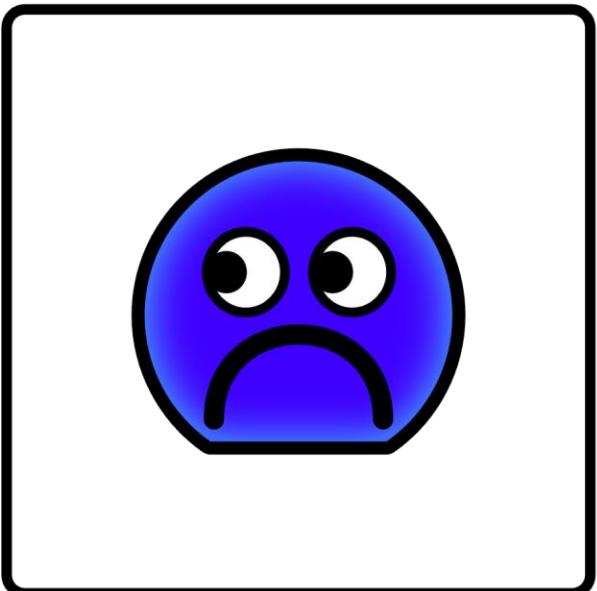
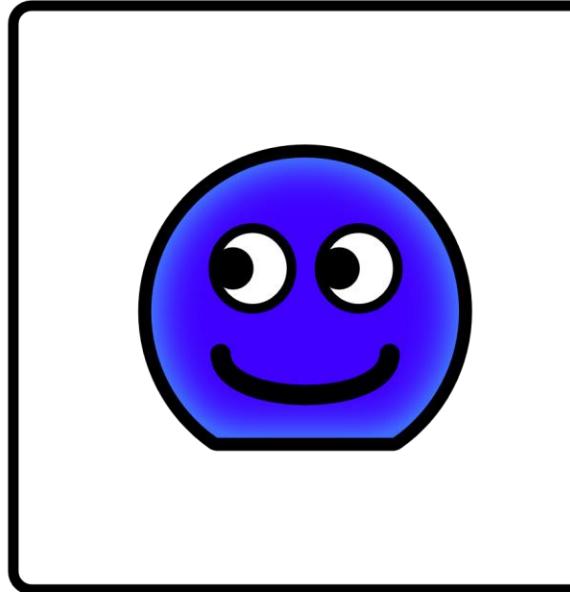
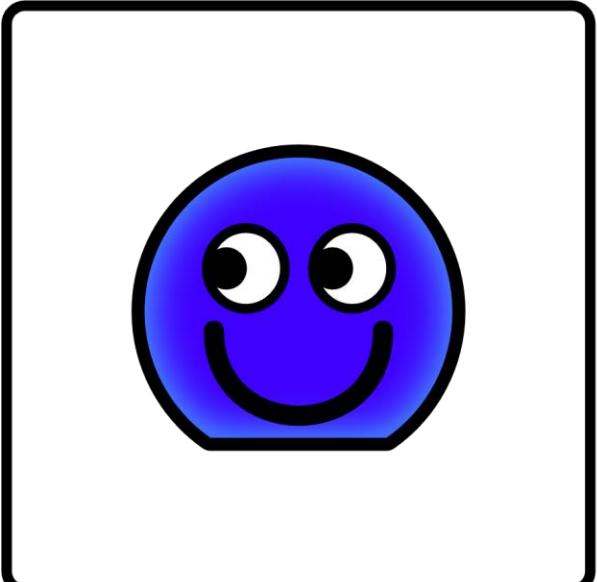
Which template best matches how the avatar will feel as a result of the outcome in the target square?



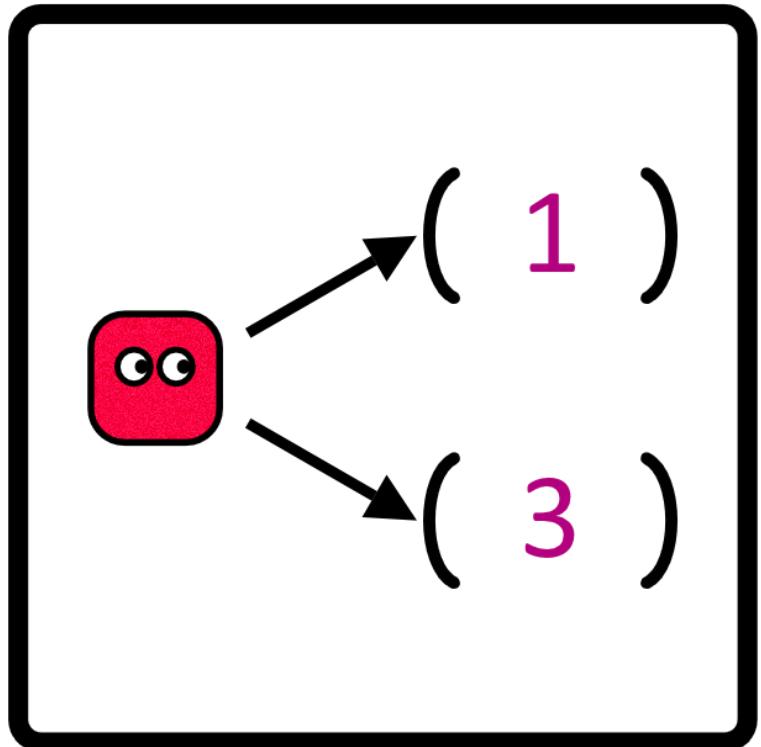
Select the template that best matches how the avatar will feel as a result of the outcome in the target square.



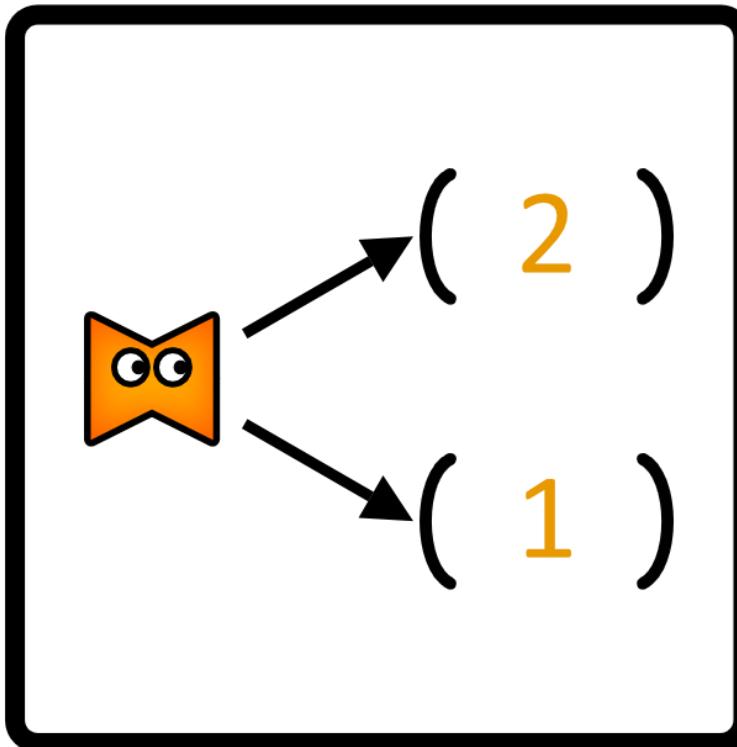
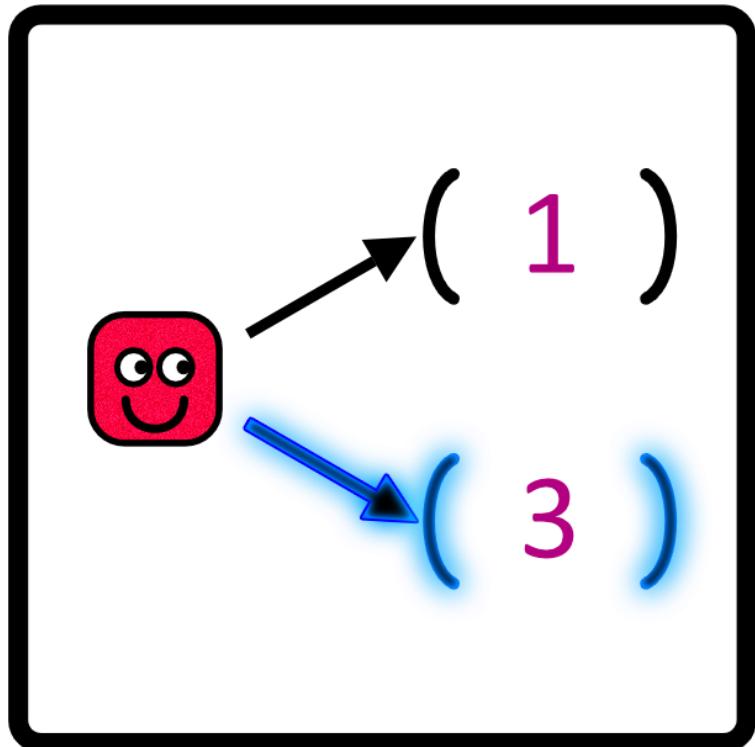
Select the template that best matches how the avatar will feel as a result of the outcome in the target square.



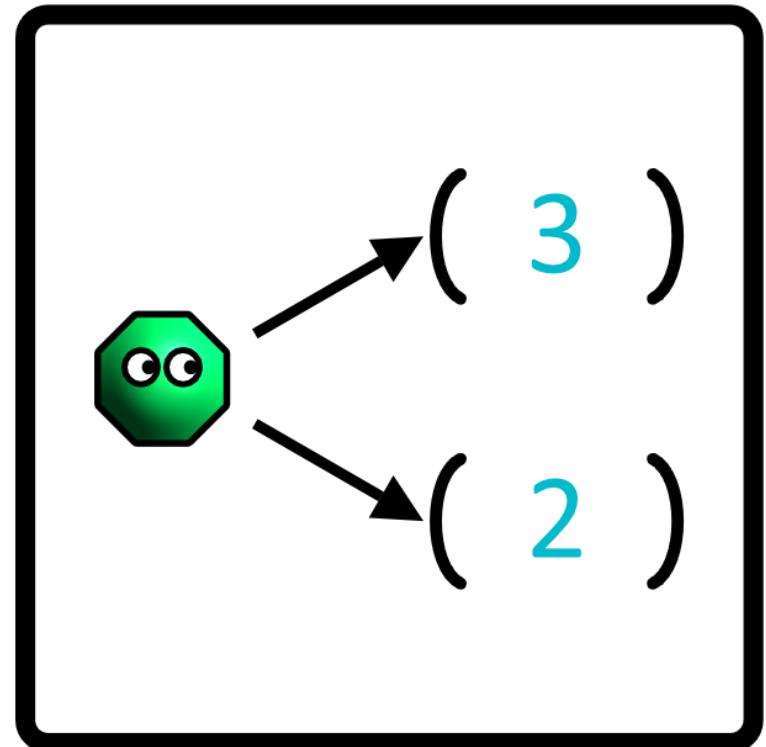
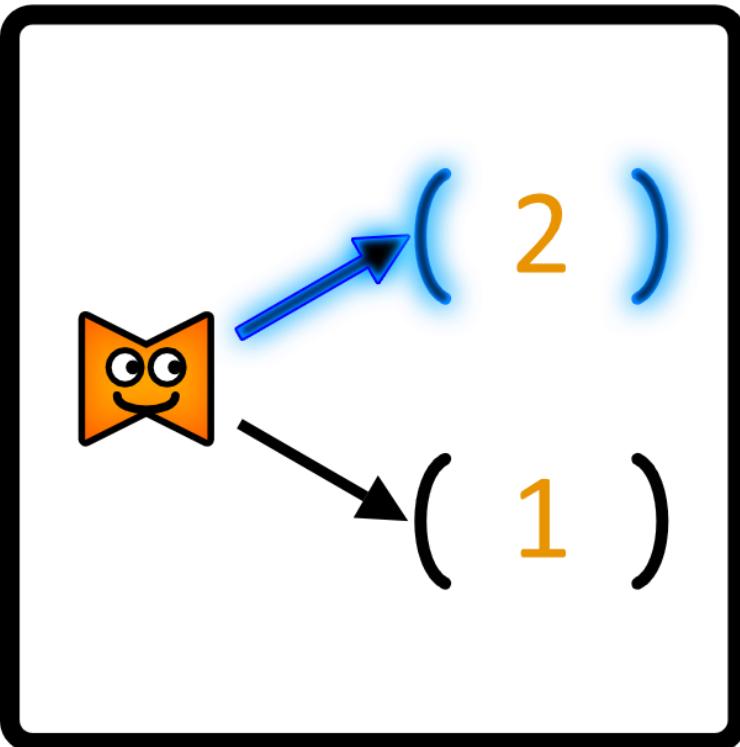
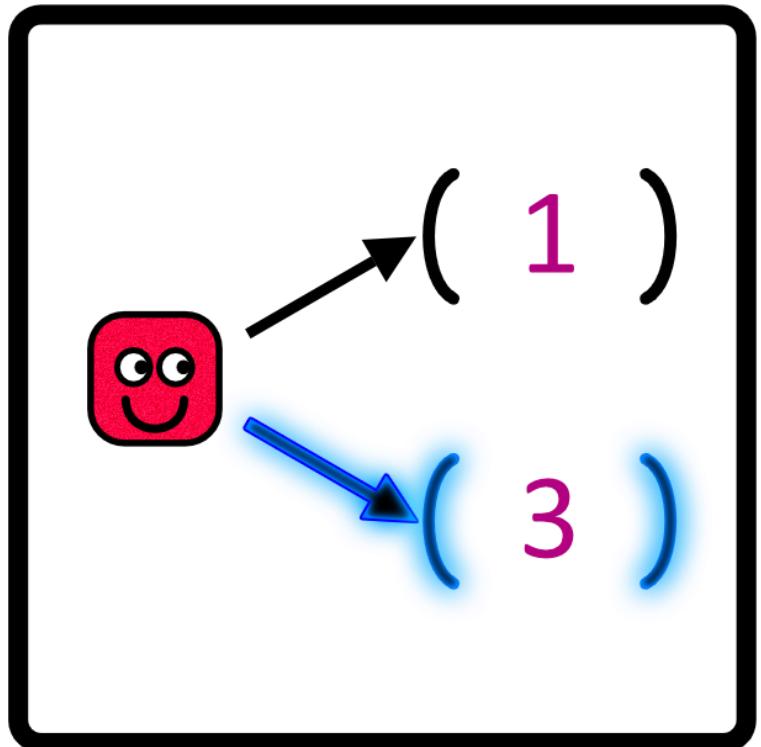
Press the space bar to see the avatar choose.



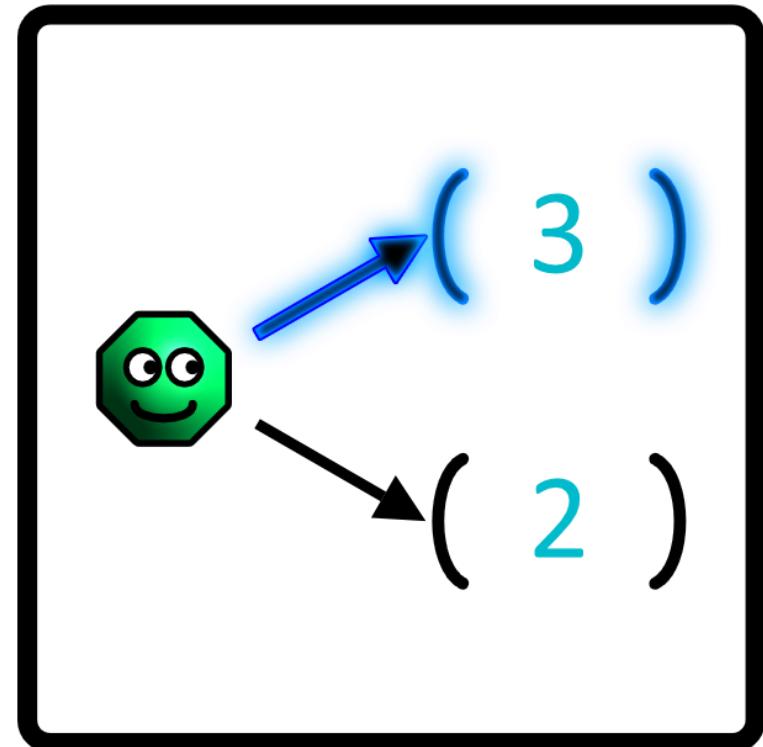
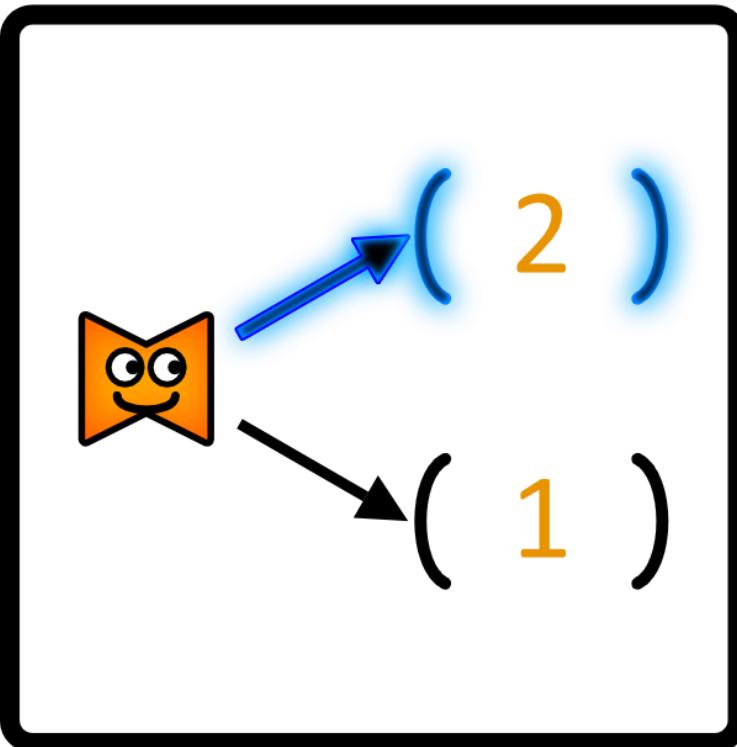
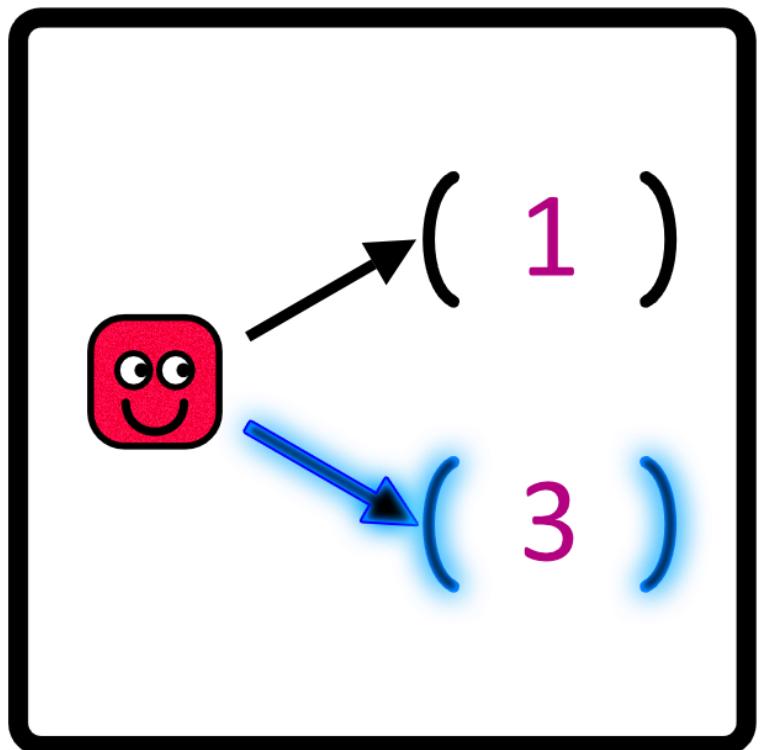
Press the space bar to see the avatar choose.



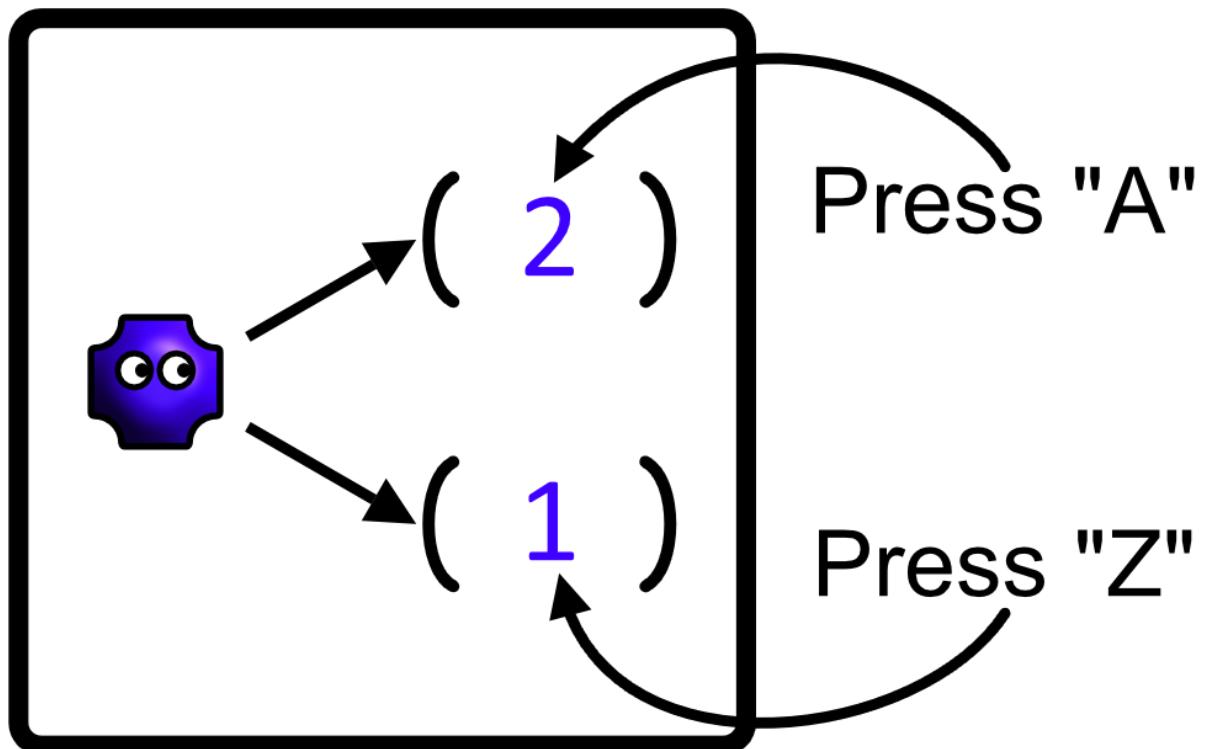
Press the space bar to see the avatar choose.



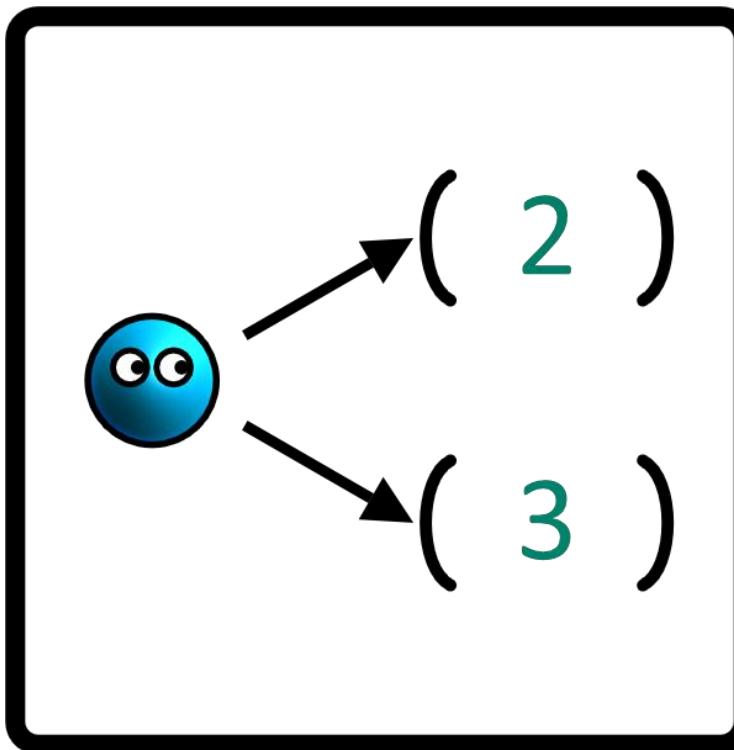
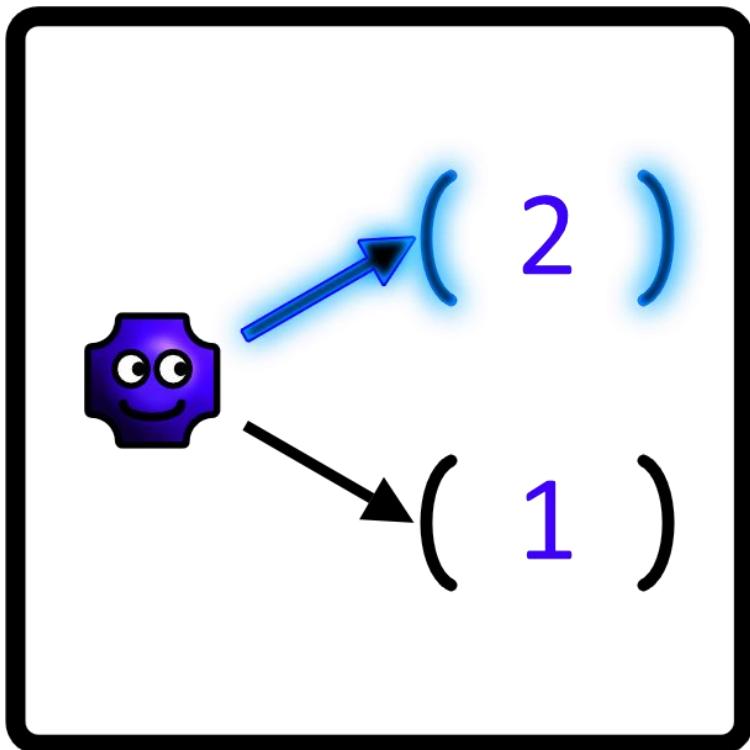
Press the space bar to see the avatar choose.



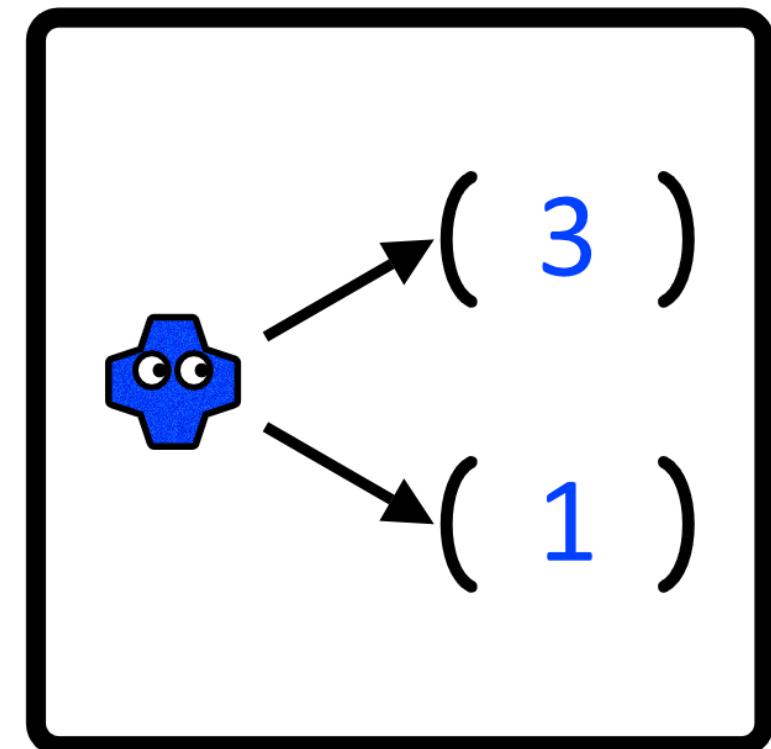
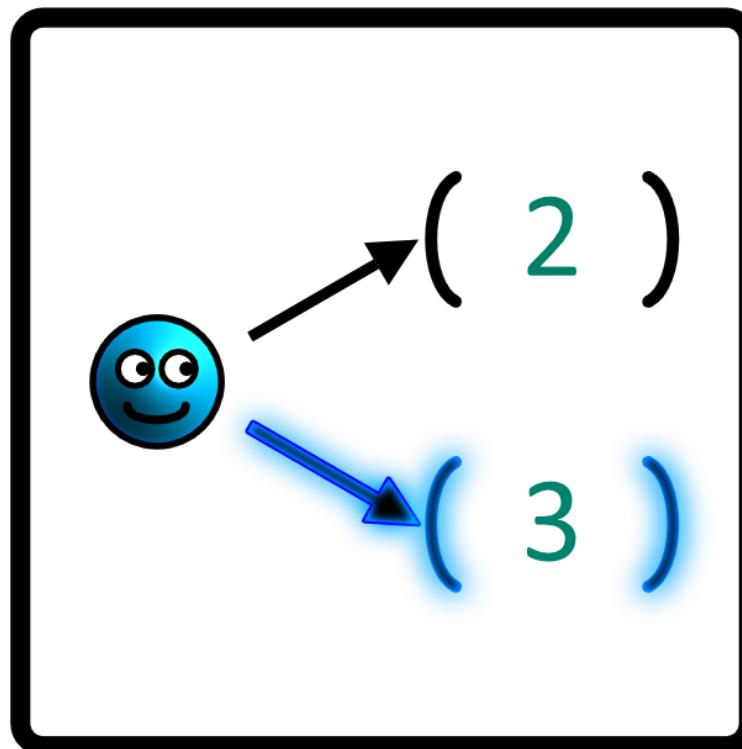
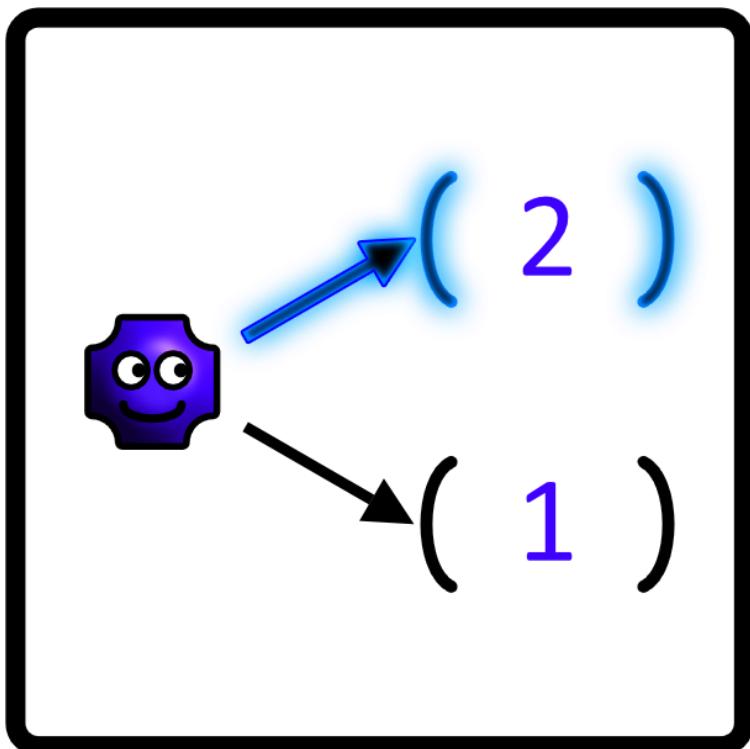
Predict the avatar's decision by pressing the "A" key or the "Z" key depending on which alternative you expect them to choose.



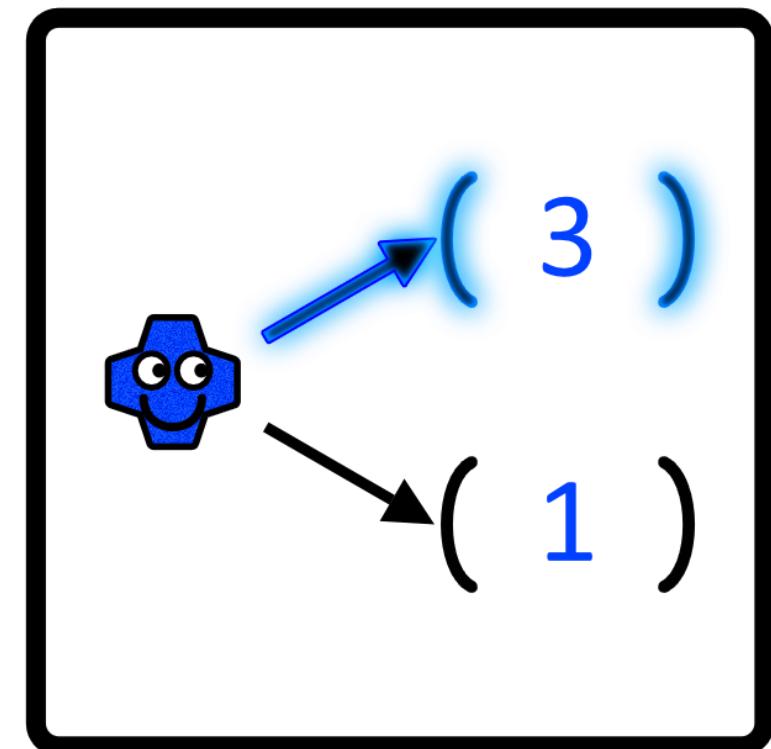
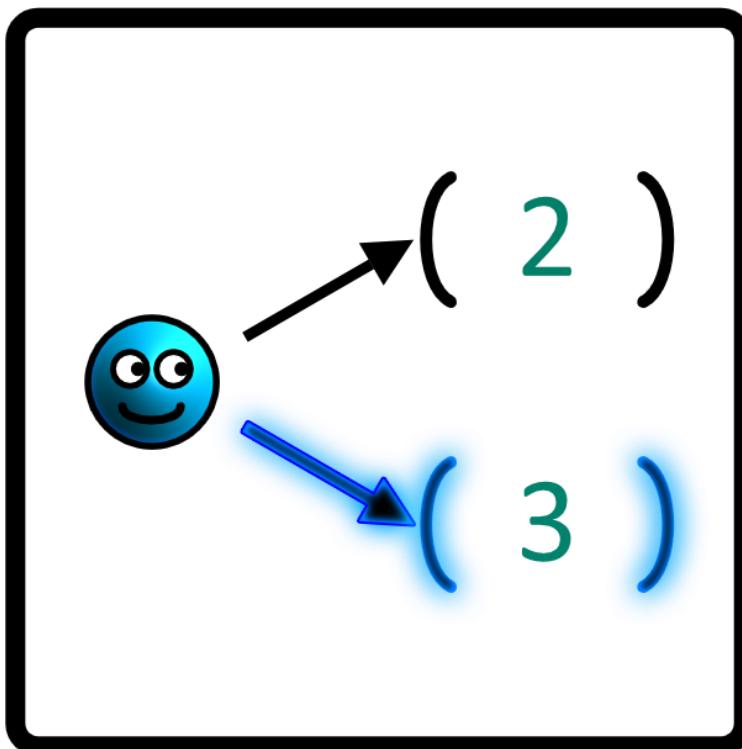
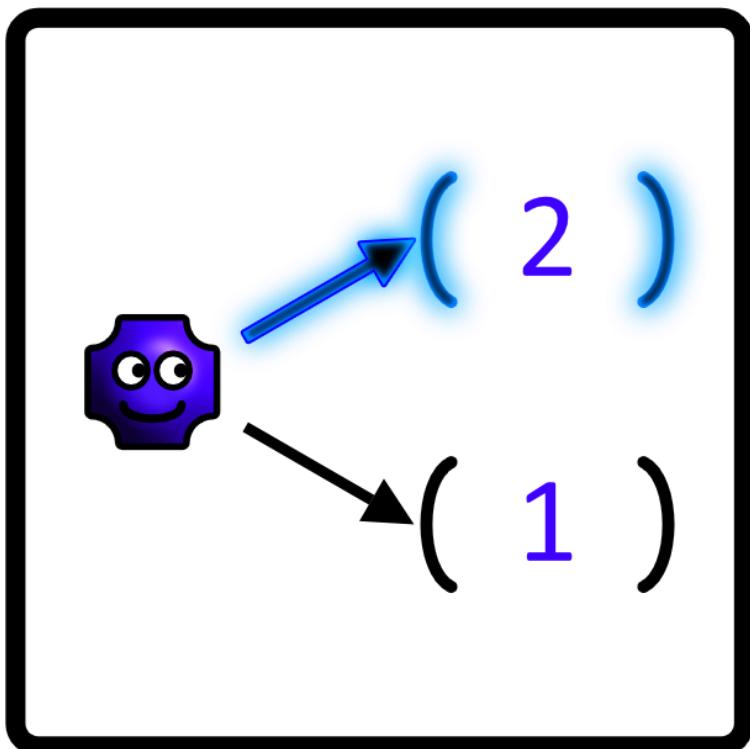
Predict the avatar's decision by pressing the "A" key or the "Z" key depending on which alternative you expect them to choose.



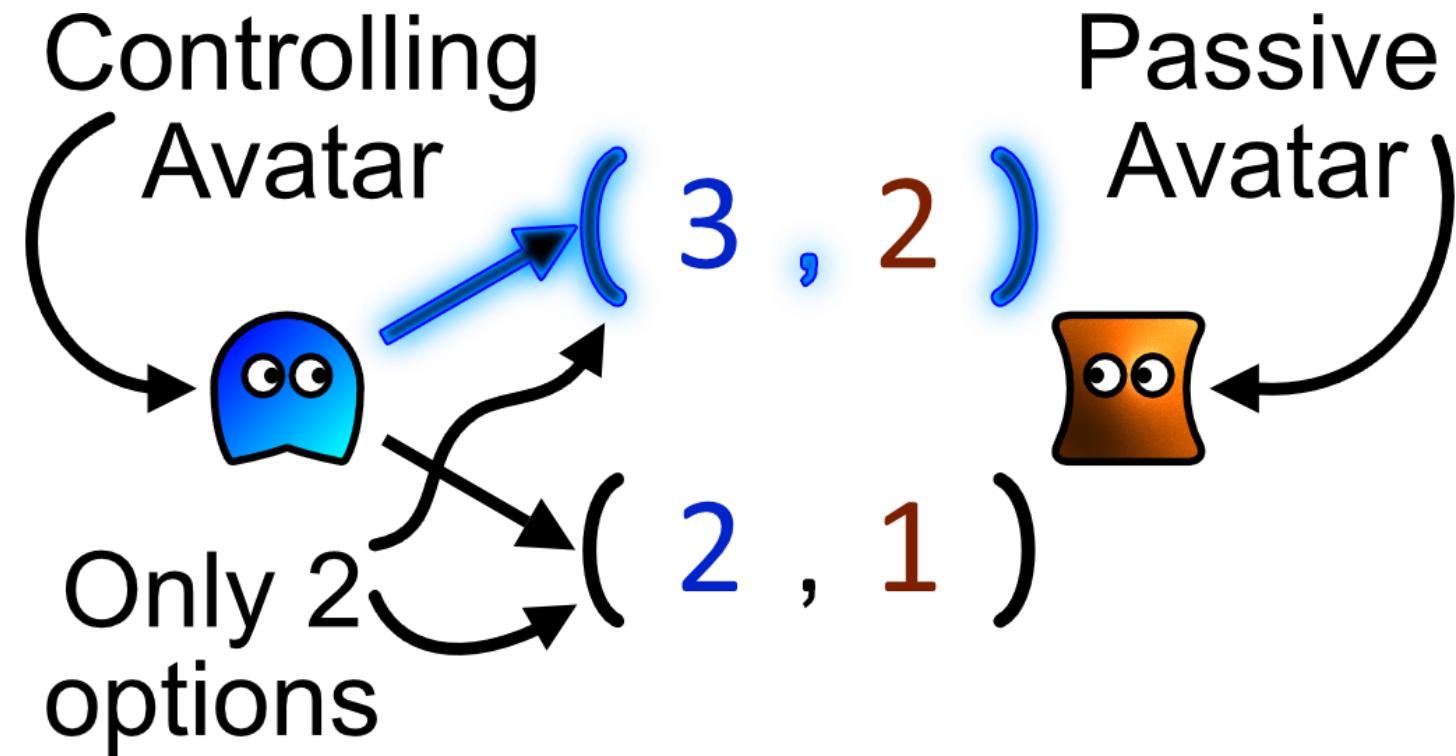
Predict the avatar's decision by pressing the "A" key or the "Z" key depending on which alternative you expect them to choose.



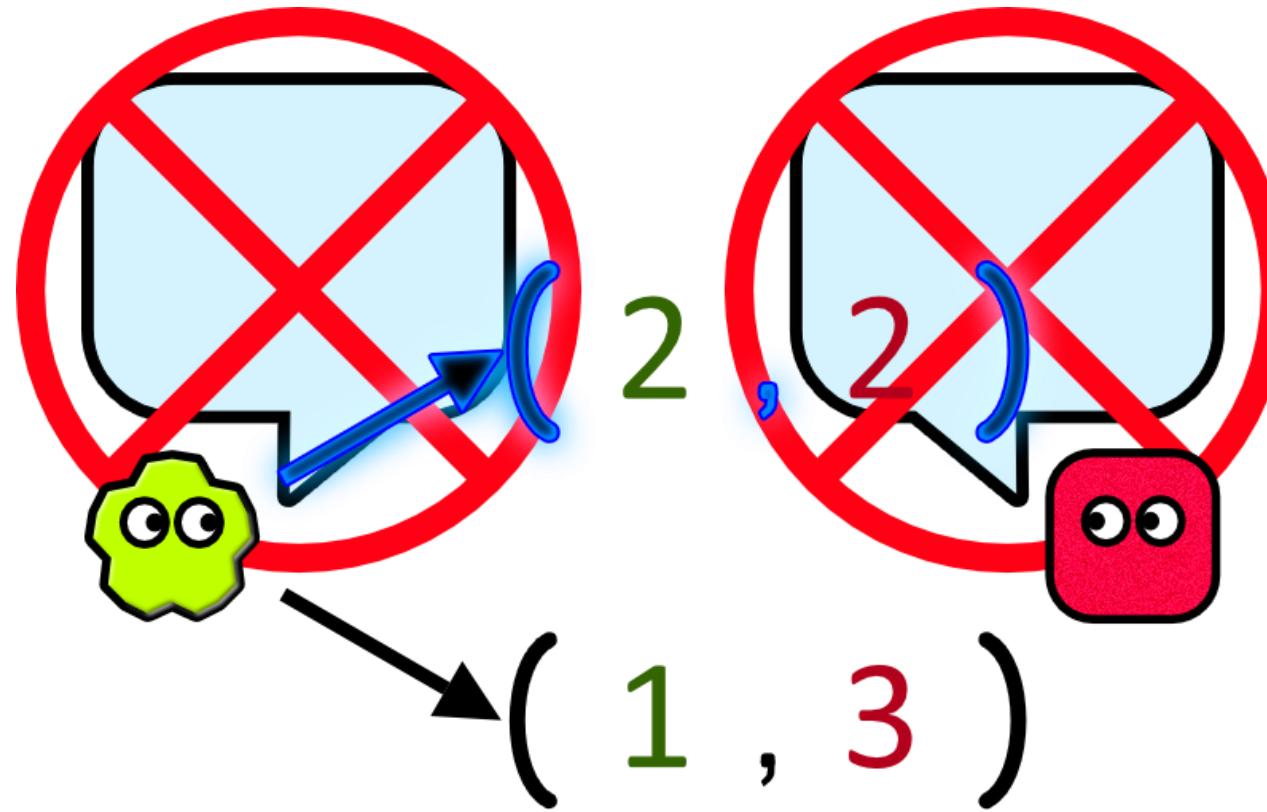
Predict the avatar's decision by pressing the “A” key or the “Z” key depending on which alternative you expect them to choose.



Every choice is between only two options. Once made, decisions cannot be taken back. Choices are made by only one person, while the other passively observes.



It is not possible for you and the avatar to talk to each other.



The avatars know how choices are made and know that you know how choices are made. They see all the numbers in both alternatives before deciding, meaning that their choices are intentional.

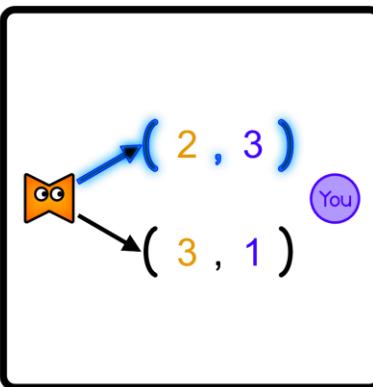
Which number will you receive as a result of this choice?

0

1

3

2



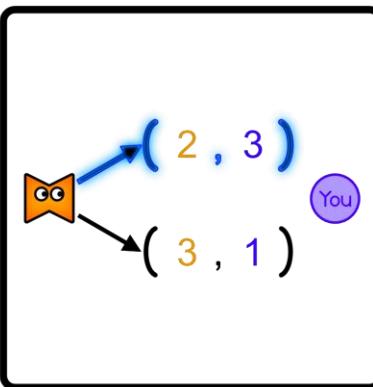
Which number will you receive as a result of this choice?

0

1

3

2



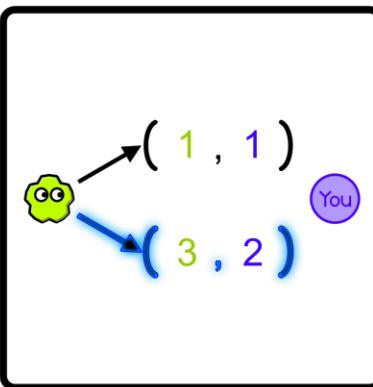
Which number will you receive as a result of this choice?

0

1

3

2



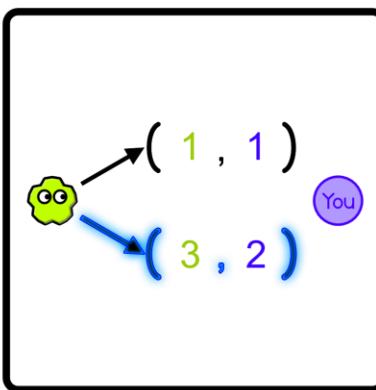
Which number will you receive as a result of this choice?

0

1

3

2



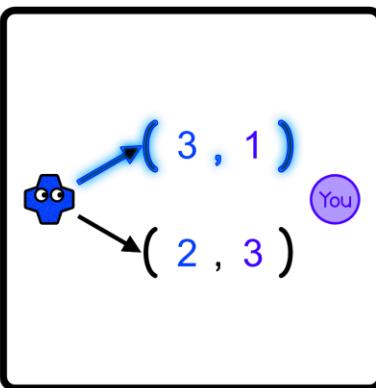
Which number will you receive as a result of this choice?

0

1

3

2



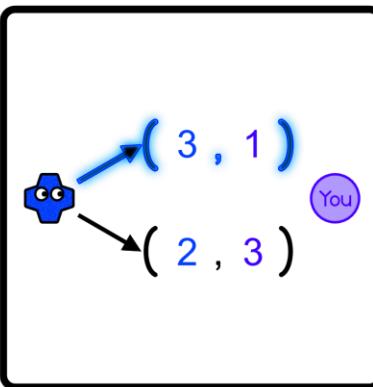
Which number will you receive as a result of this choice?

0

1

3

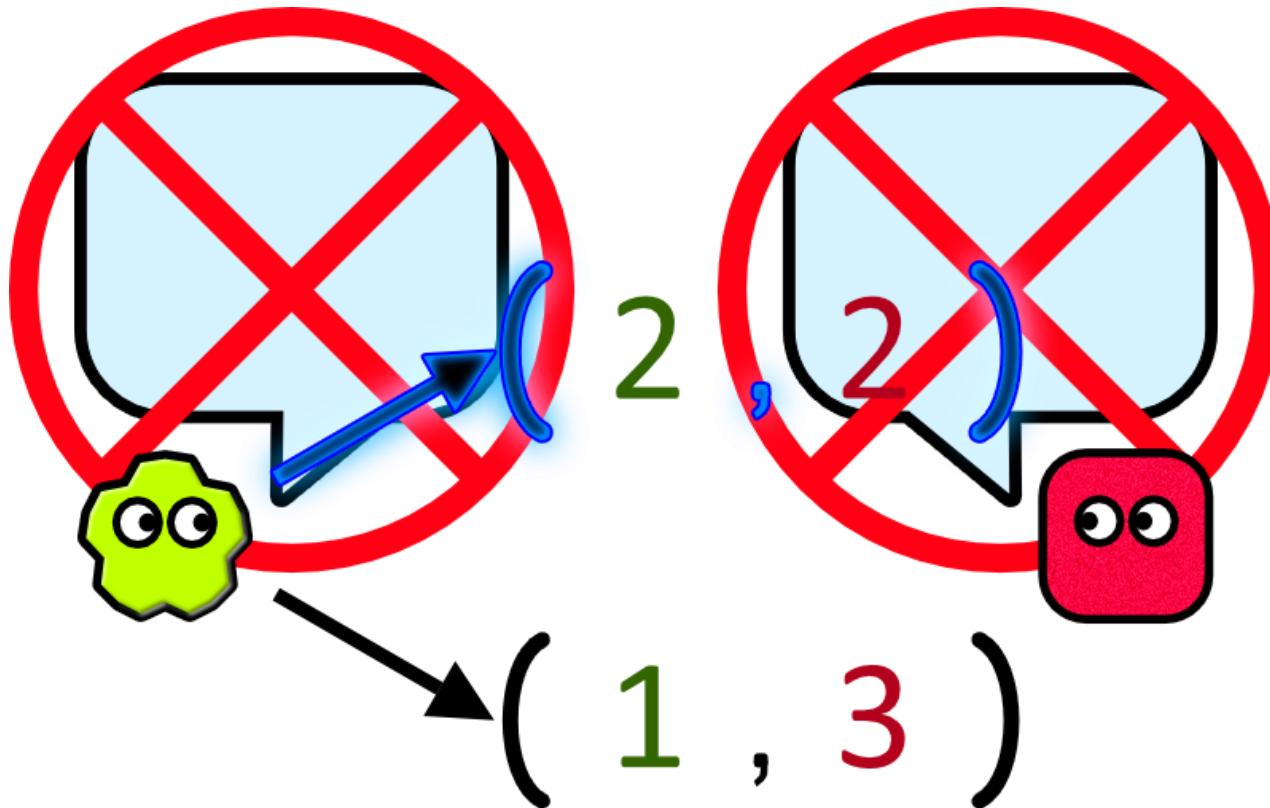
2



You are about to be asked a series of true or false questions. Please do your best to answer correctly. If you don't understand after seeing the answer, please ask the experimenter to explain.

Question 1) True or False: You can talk to the avatars.

Question 1) True or False: You can talk to the avatars. **False**. It is not possible for you and the avatar to talk to each other.

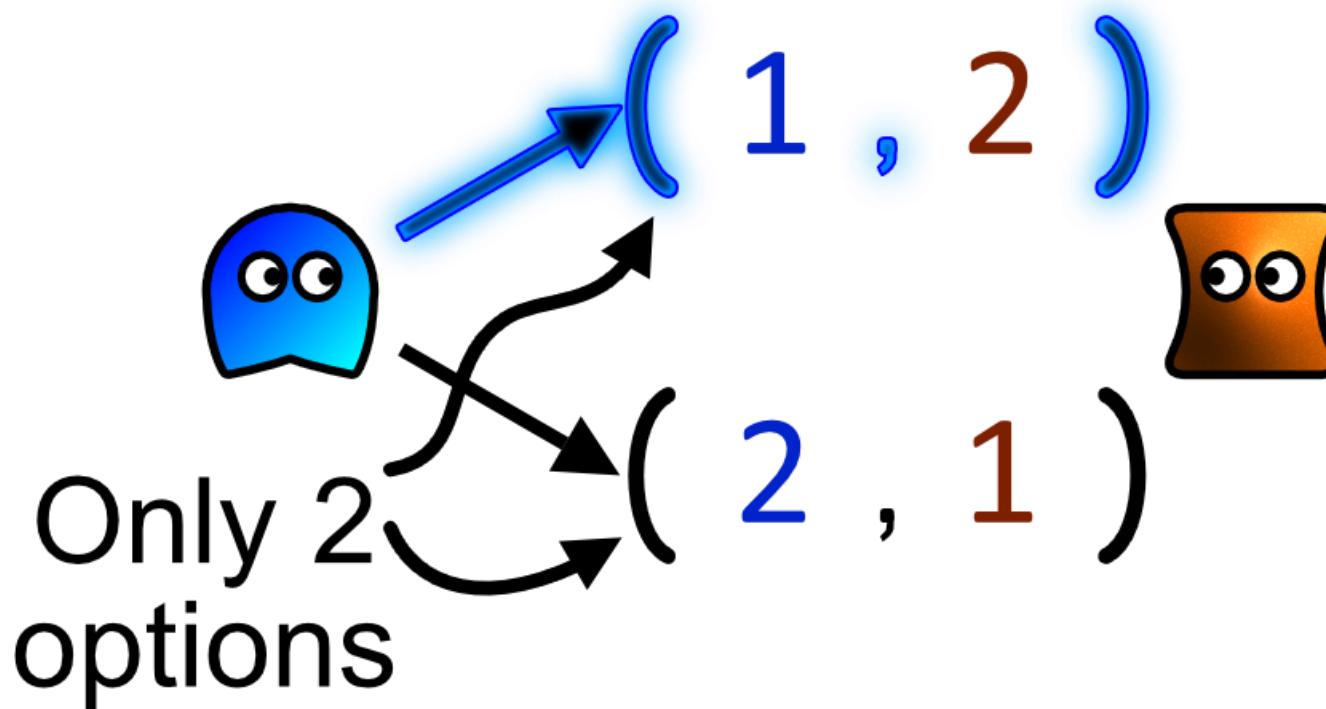


Question 2) True or False: The numbers that you and the avatar receive can be switched, divided, or shared.

Question 2) True or False: The numbers that you and the avatar receive can be switched, divided, or shared. **False**. The outcome of every choice is final.

Question 3) True or False: Every choice is between only two options.

Question 3) True or False: Every choice is between only two options. **True.**



Question 4) True or False: Some of the avatars already know who you are.

Question 4) True or False: Some of the avatars already know who you are. **False**. Act towards each avatar as if you are encountering a real person for the first time.

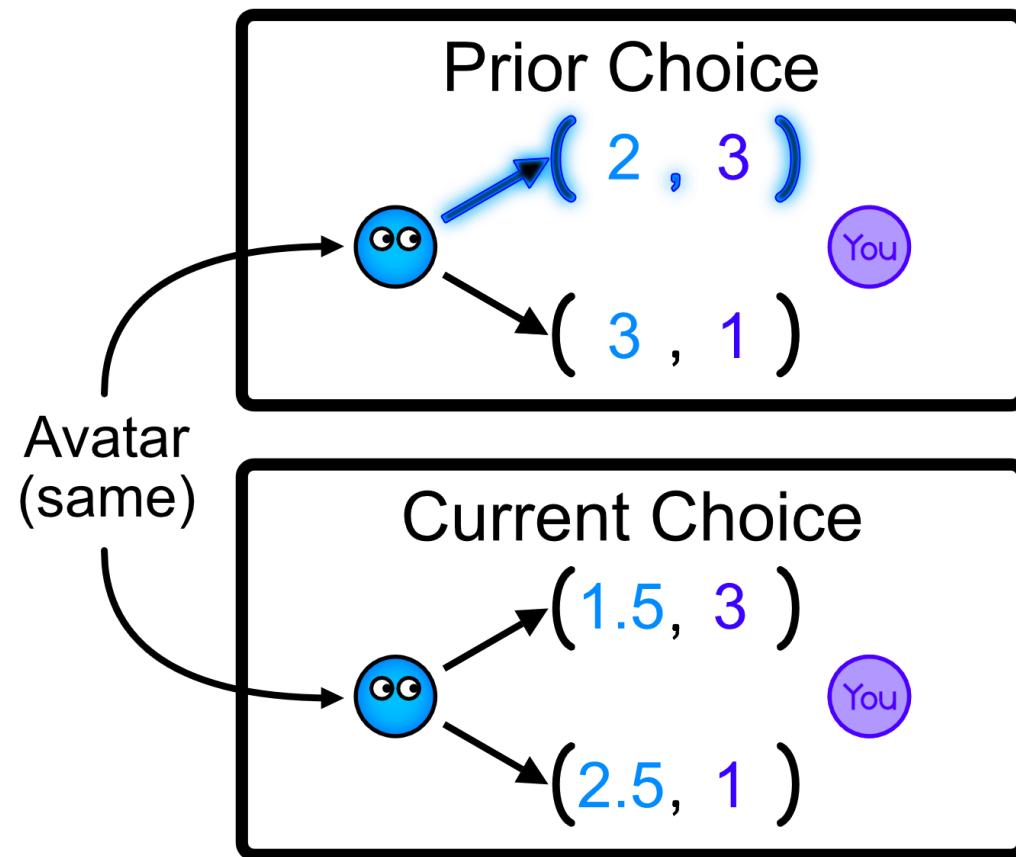
Question 5) True or False: These avatars expect to meet you many times in the future.

Question 5) True or False: These avatars expect to encounter you many times in the future. **True.** Once the screen displays a new avatar you will never see the last avatar again in this experiment. Nevertheless, you should still act towards the avatar *as if* you both expect to encounter each other repeatedly in the future.

Question 6) True or False: On a single screen, the avatar who made the prior choice is always the same as the avatar making the current choice.

Question 6) True or False: On a single screen, the avatar who made the prior choice is always the same as the avatar making the current choice.

**True.**



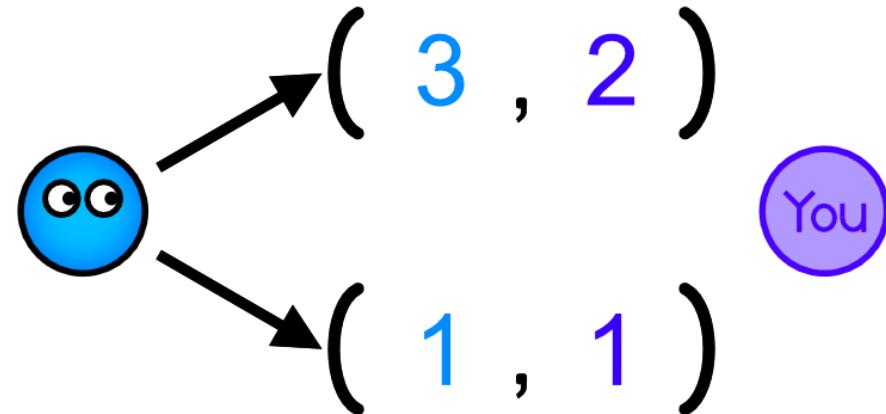
Question 7) True or False: The avatar's preferences for numbers depend on a number they have prior to making the choice.

Question 7) True or False: The avatar's preferences for numbers depend on a number they have prior to making the choice. **False.** Avatar's preferences depend only on a comparison between both alternatives that they are deciding between at the time.

Question 8) True or False: The avatar's emotion results from a comparison between the number in the outcome and the number in the alternative.

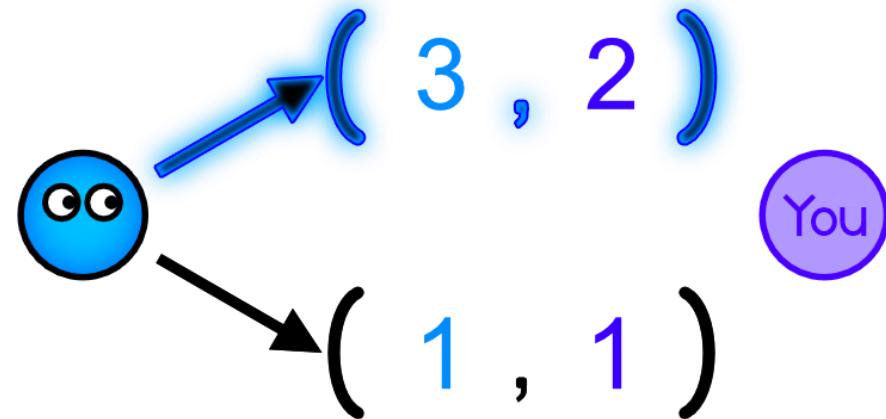
Question 8) True or False: The avatar's emotion results from a comparison between the number in the outcome and the number in the alternative. **True.** Nevertheless, their emotions will be hidden throughout the rest of the experiment.

## Prior Choice

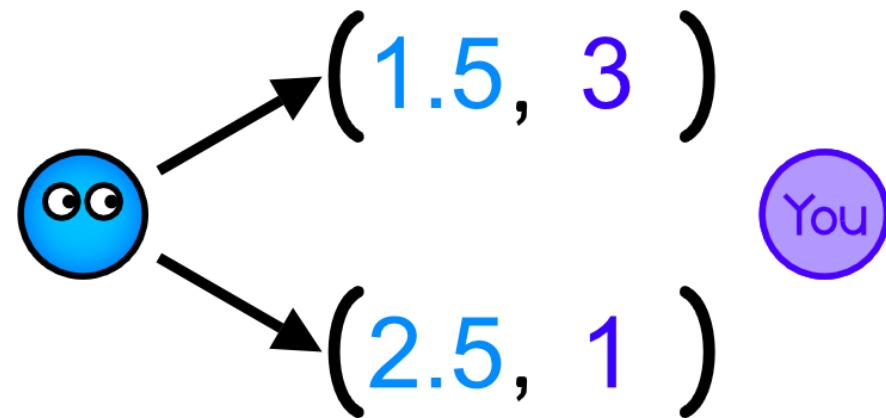


Every time you encounter a new avatar,  
press the space bar to reveal their choice.

## Prior Choice

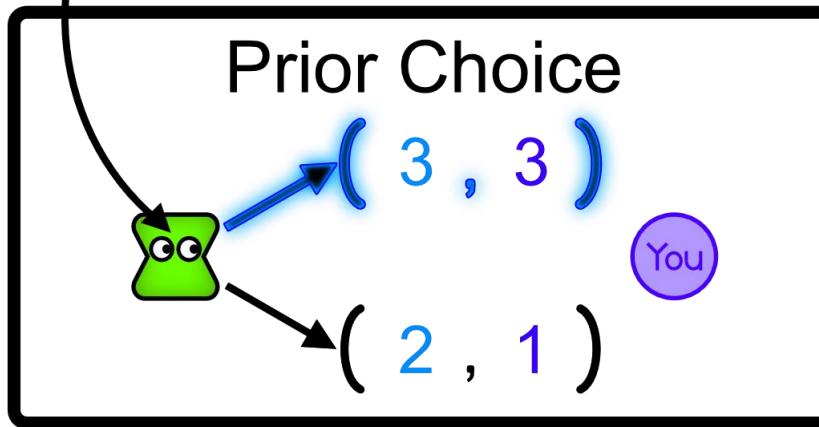


## Current Choice

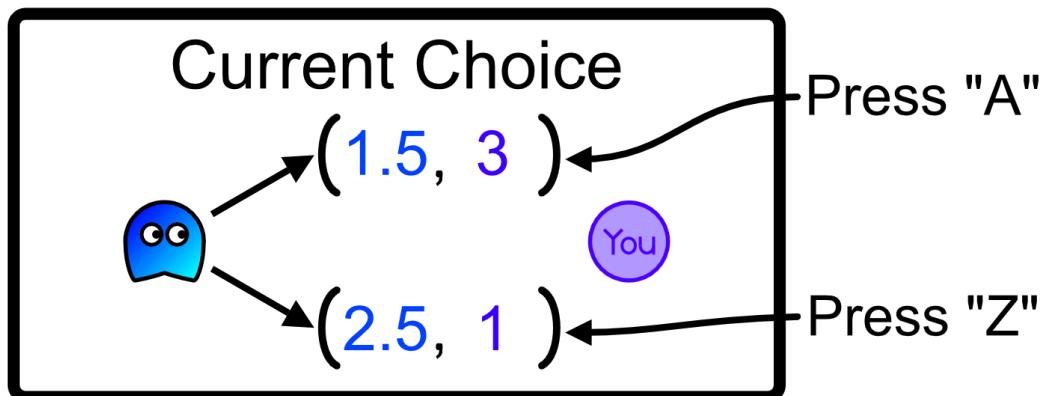
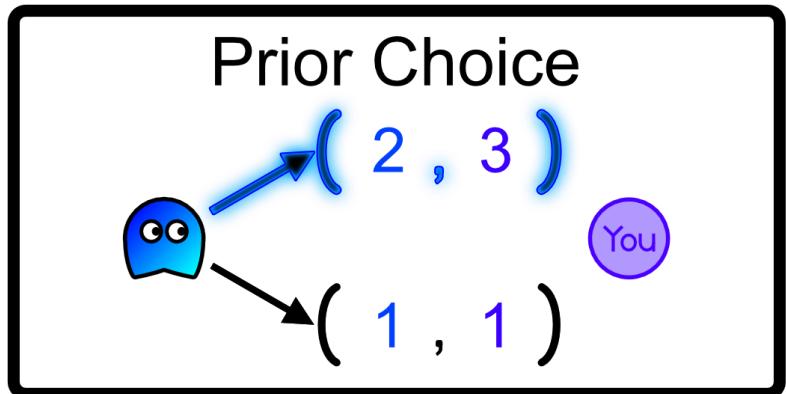


This square is labeled the “Prior Choice” because it is made immediately before the “Current Choice” appears. Avatars make their prior choice before they know the numbers that will appear in the current choice.

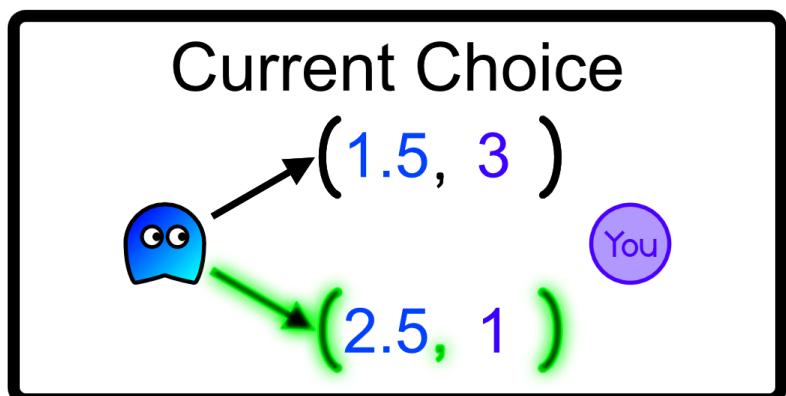
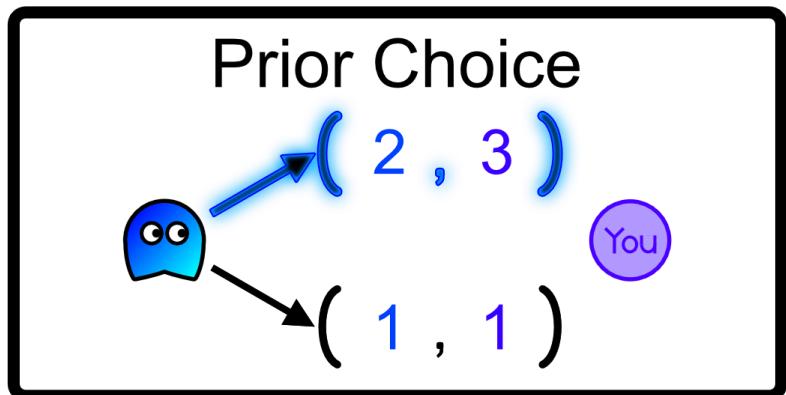
Avatar sees everything  
in the prior choice, but  
not in the next choice.



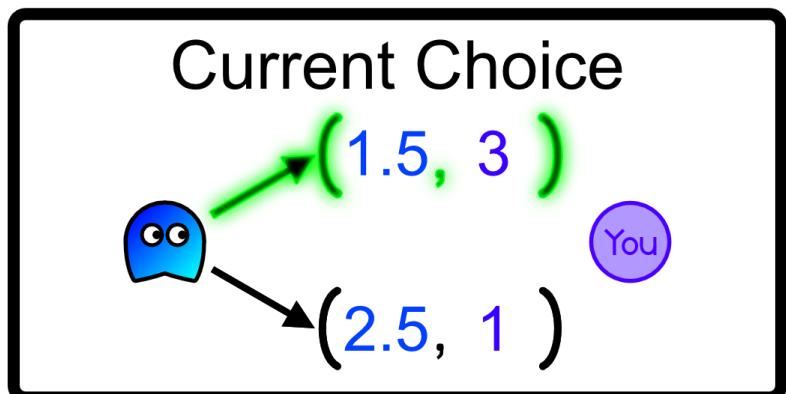
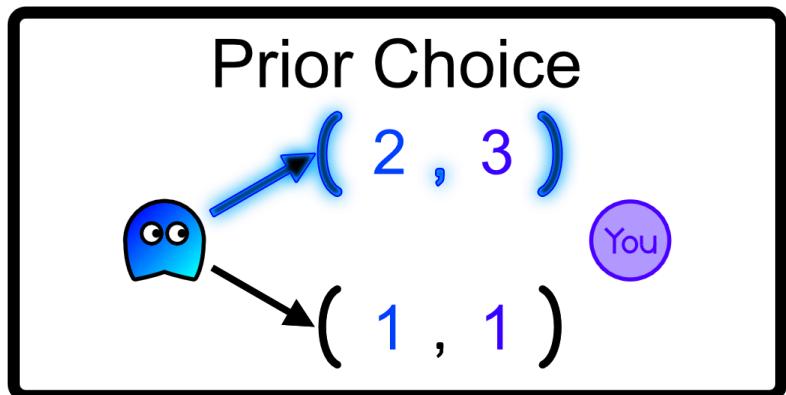
After observing the prior choice, predict what the avatar would choose in the current choice. Avatars can not see predictions and predictions will not influence the outcomes of the current choice.



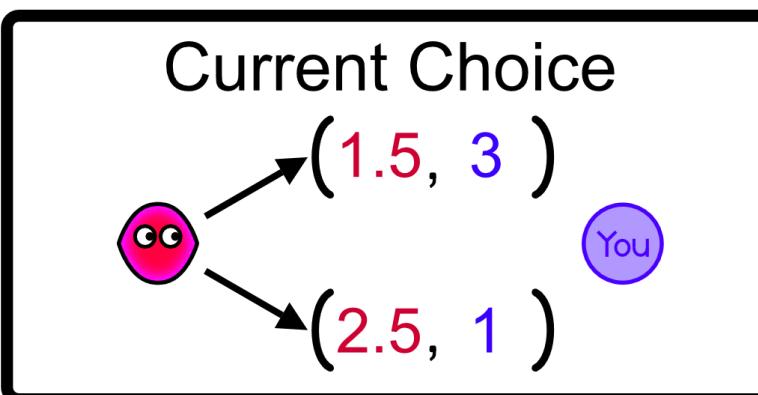
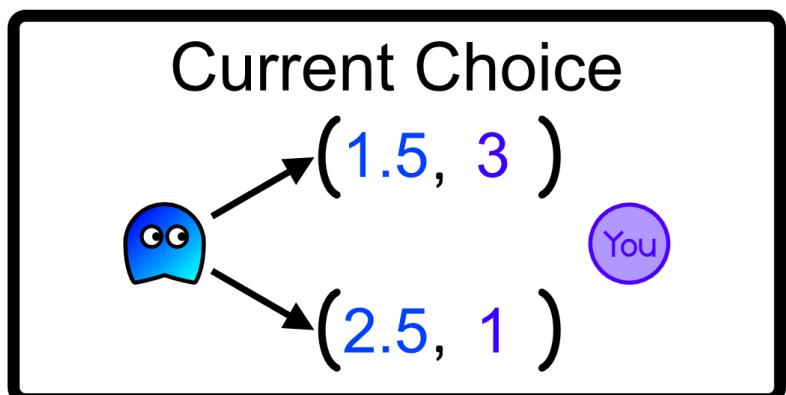
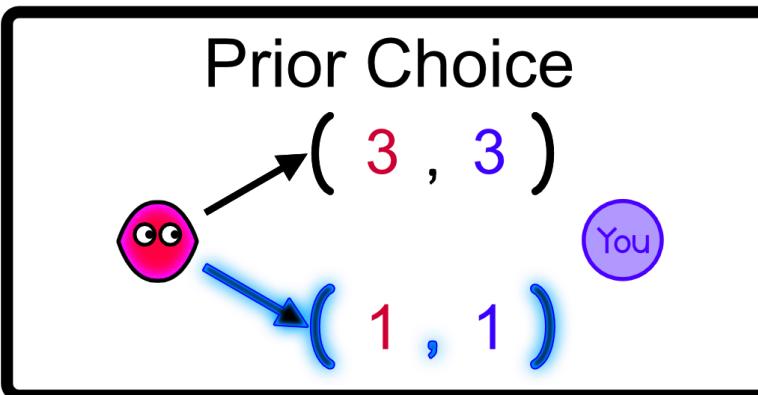
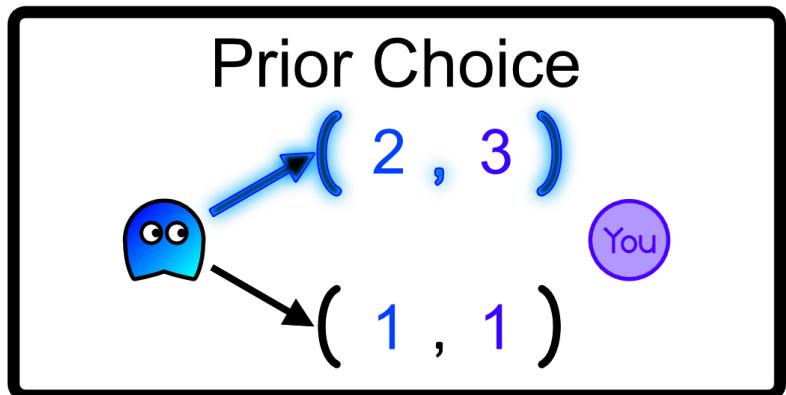
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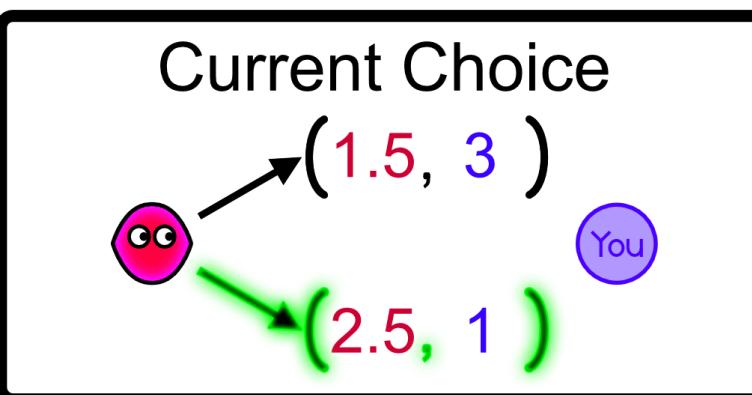
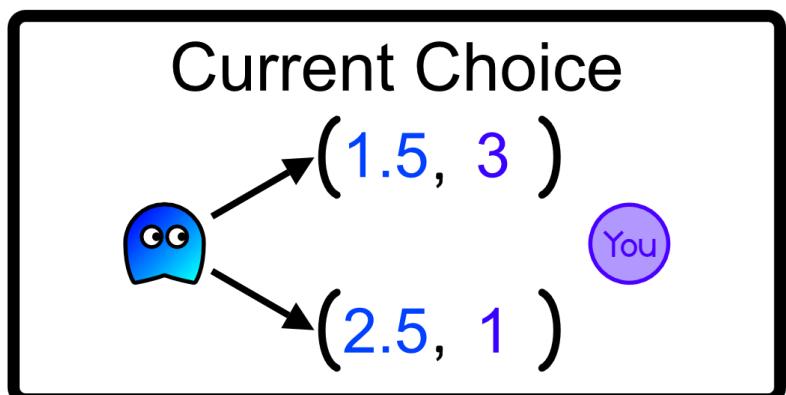
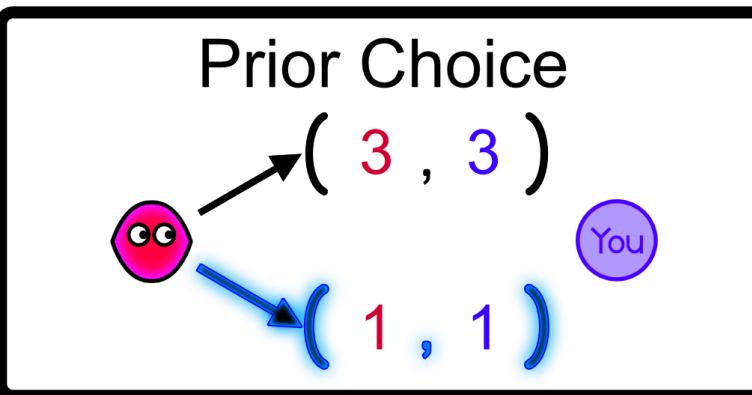
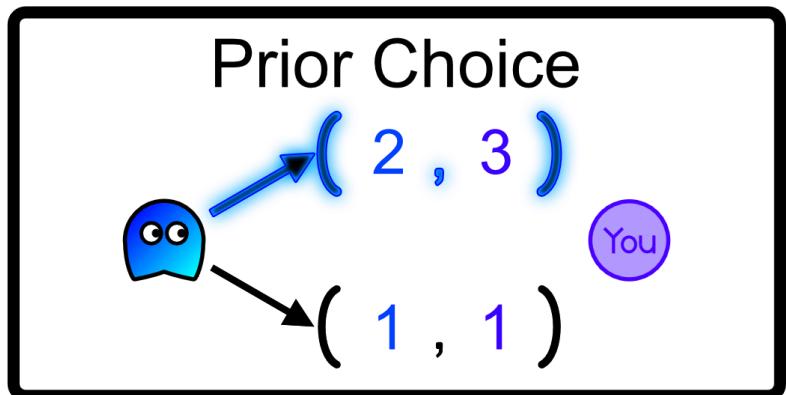
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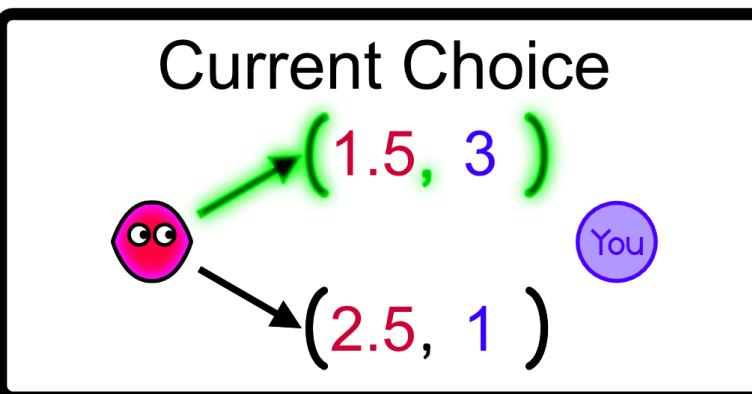
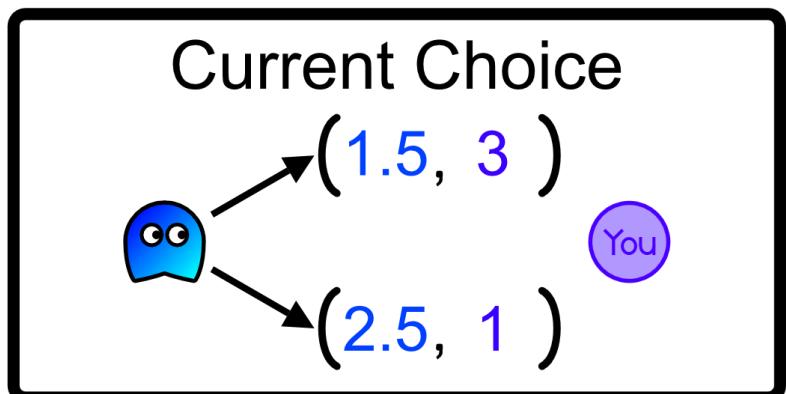
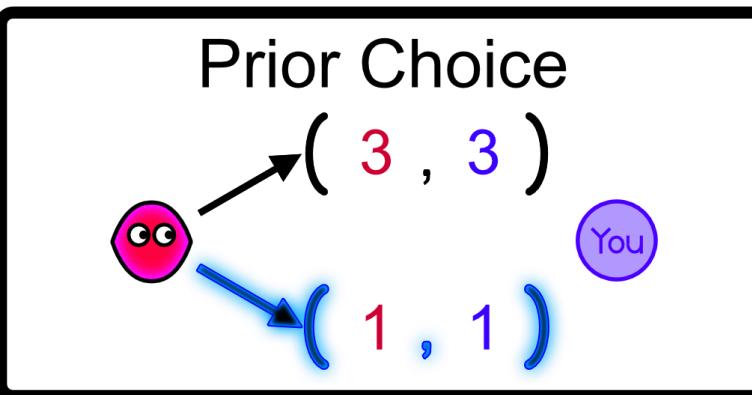
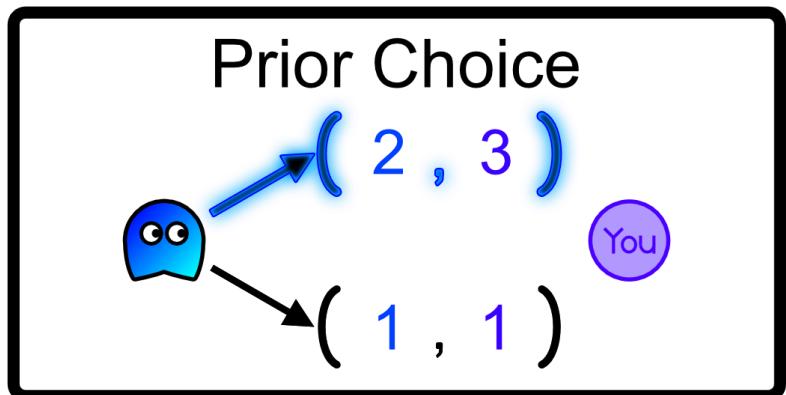
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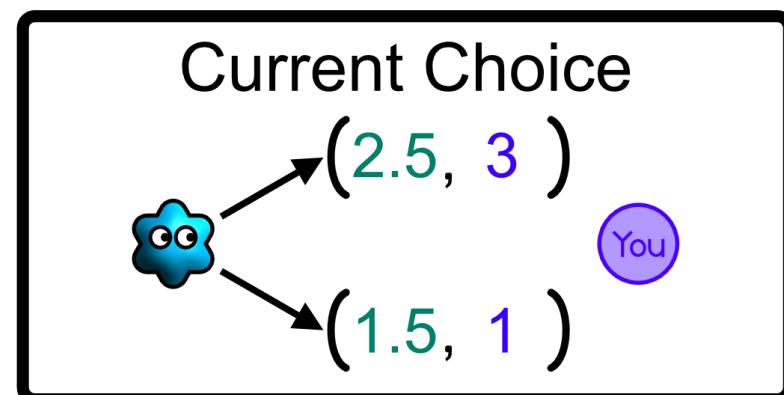
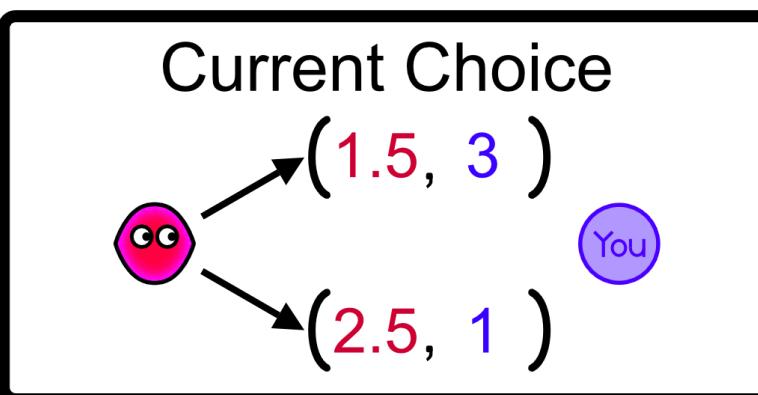
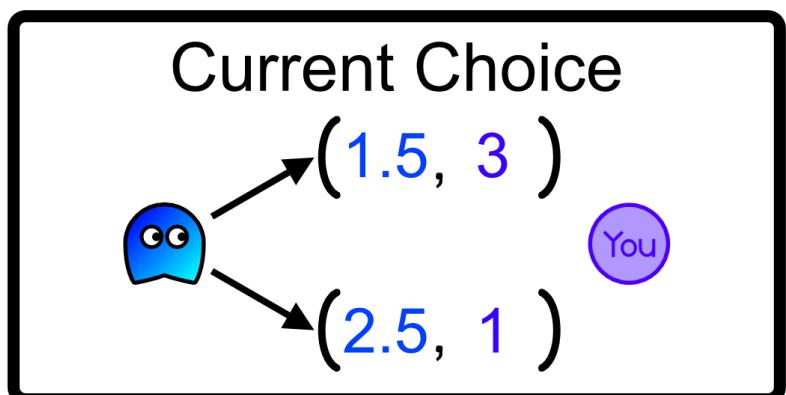
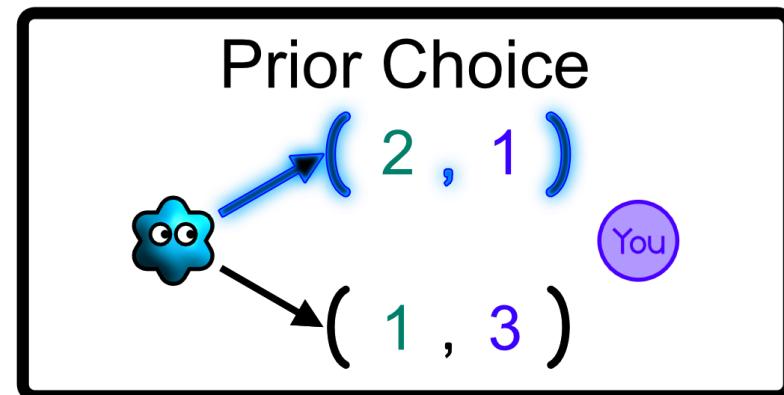
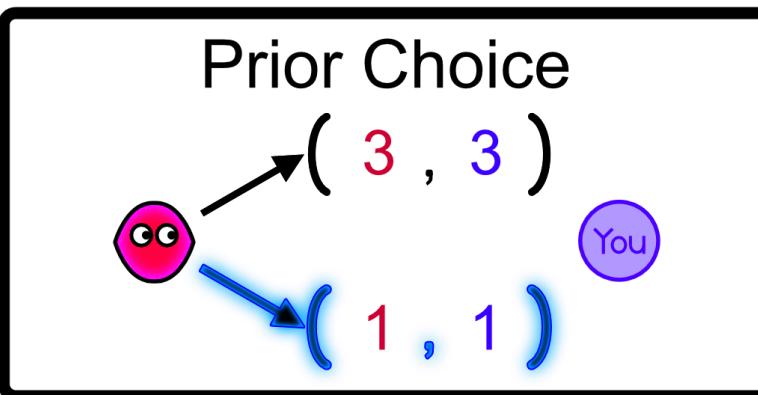
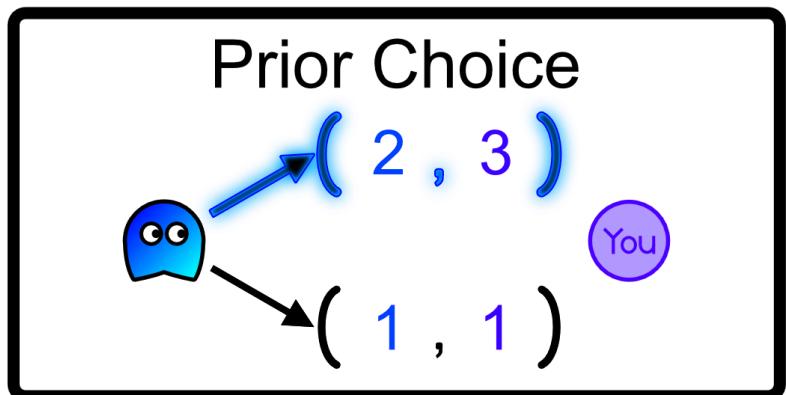
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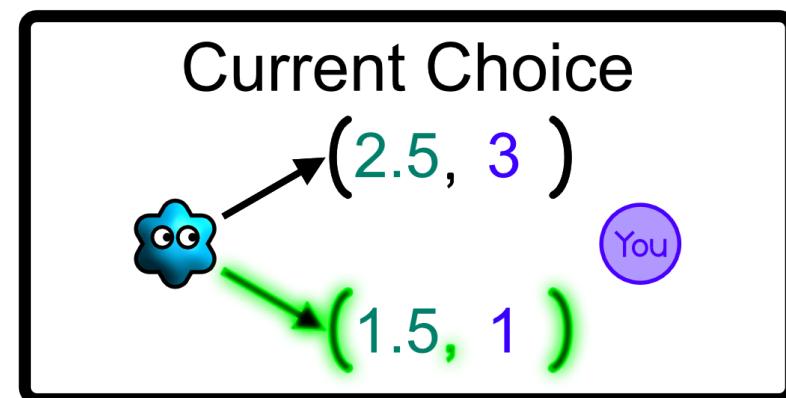
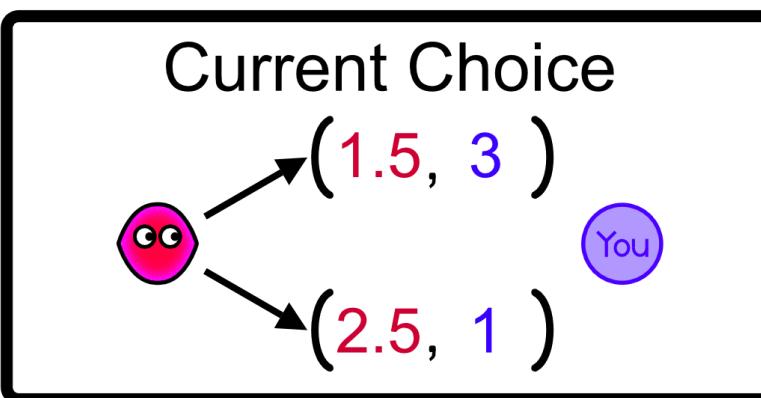
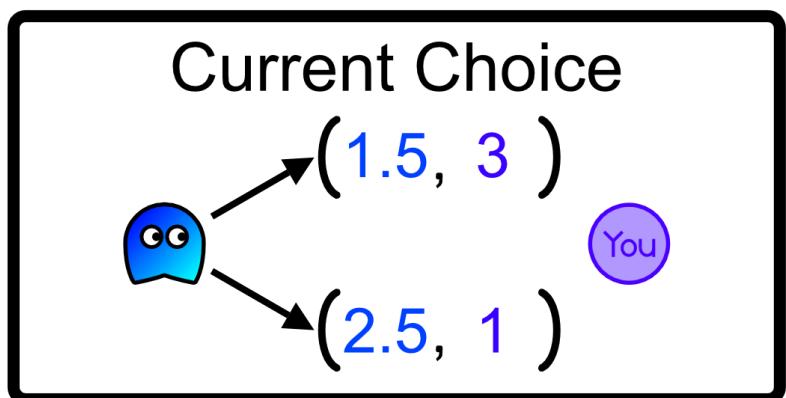
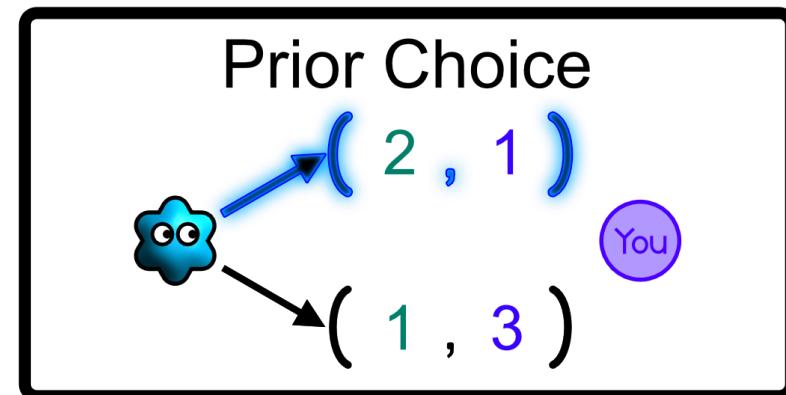
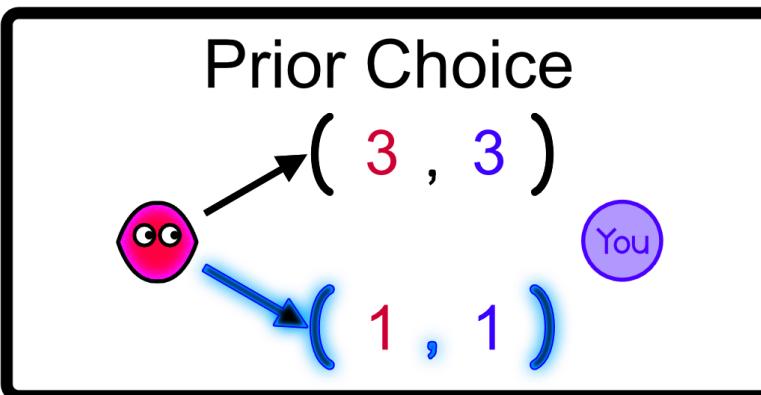
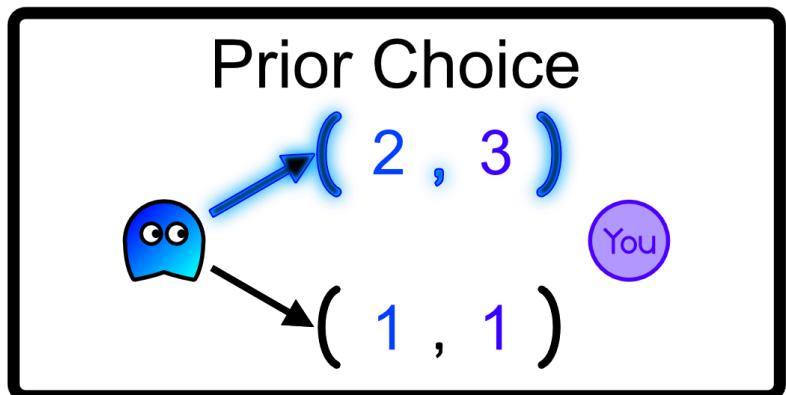
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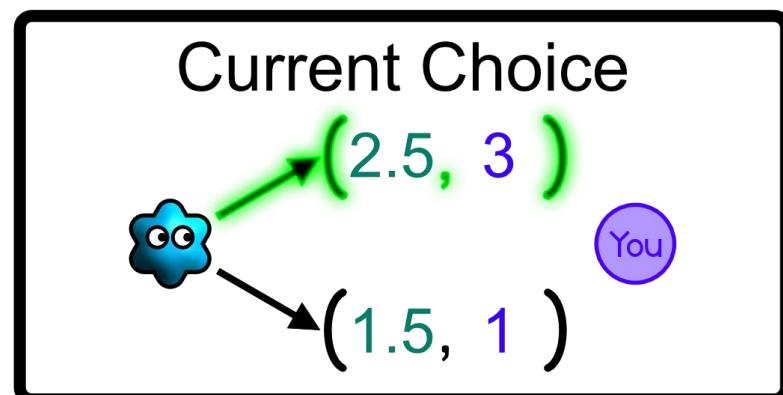
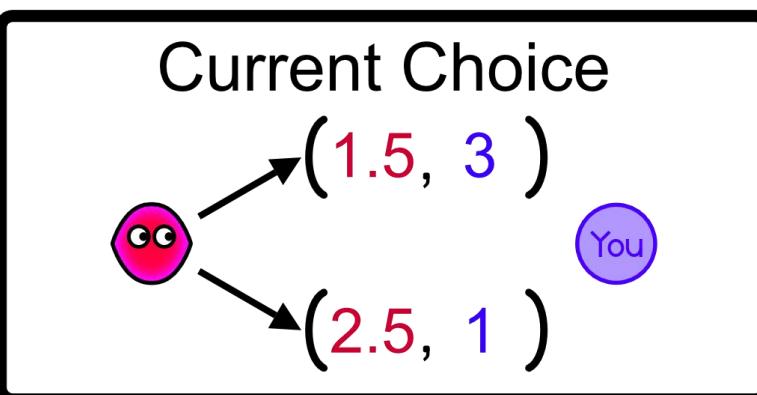
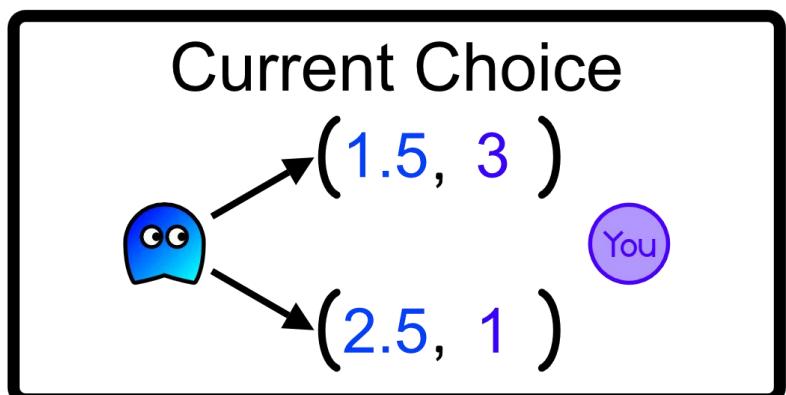
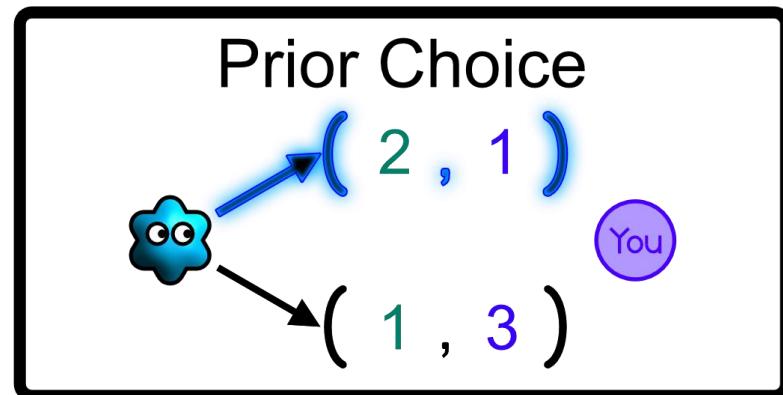
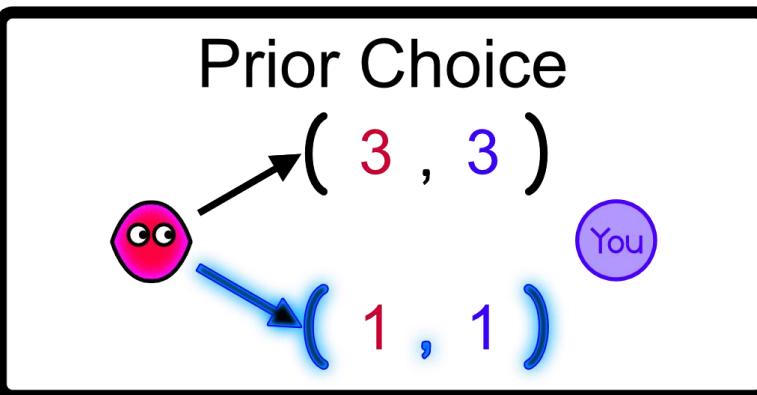
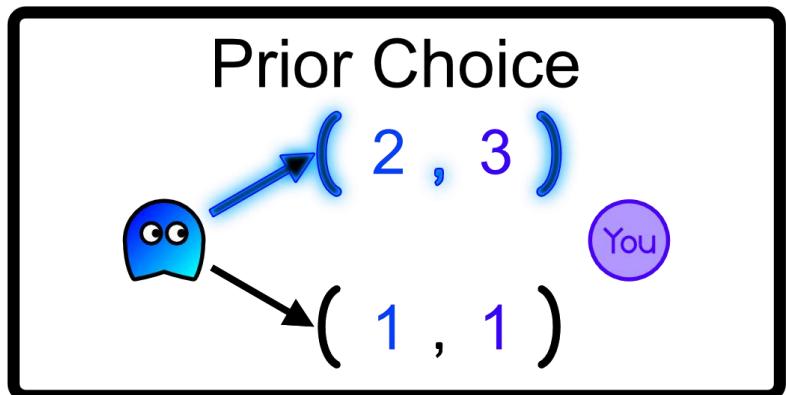
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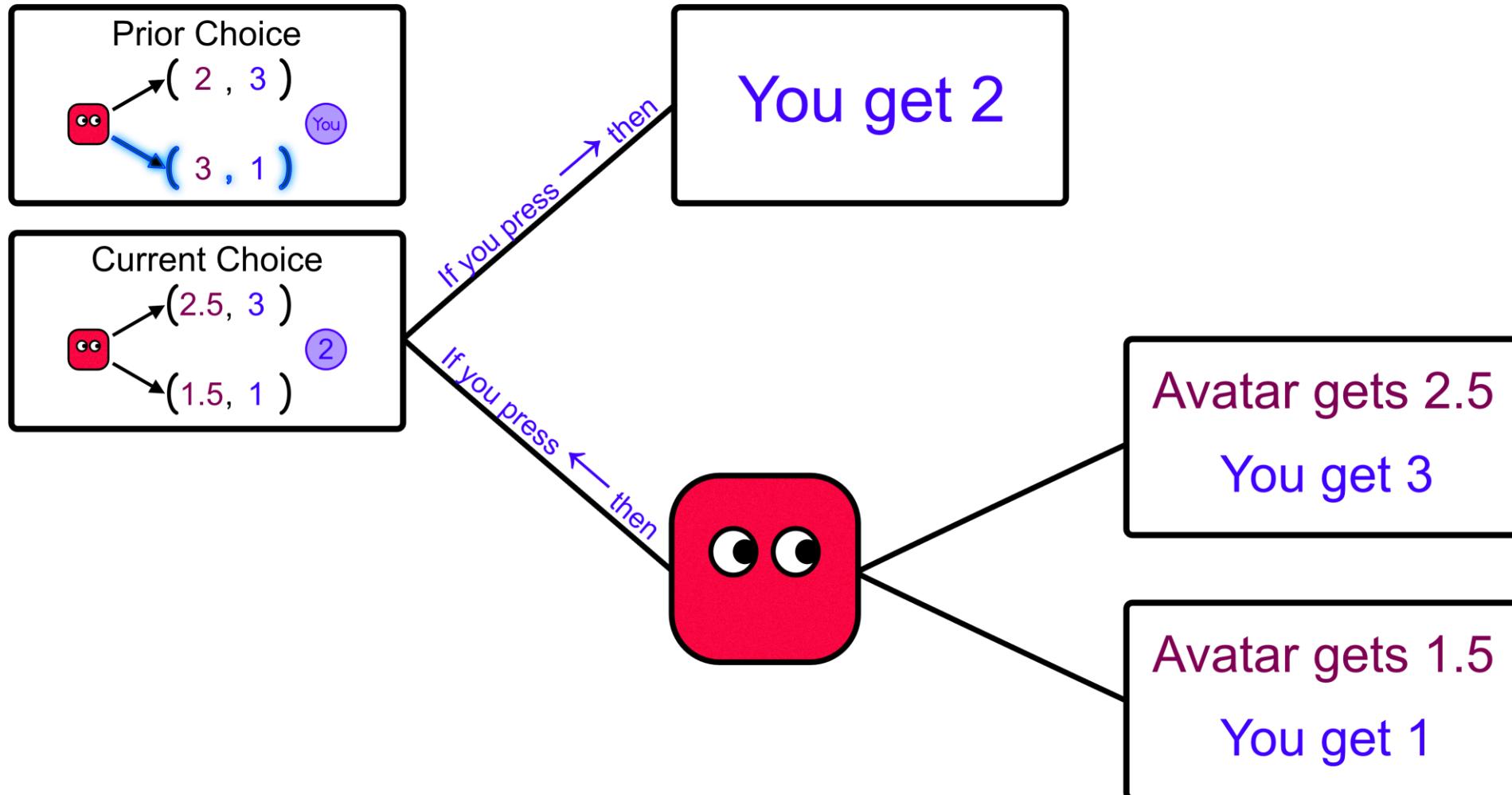


After observing the prior choice, predict what the avatar would choose in the current choice. Avatars can not see predictions and predictions will not influence the outcomes of the current choice.

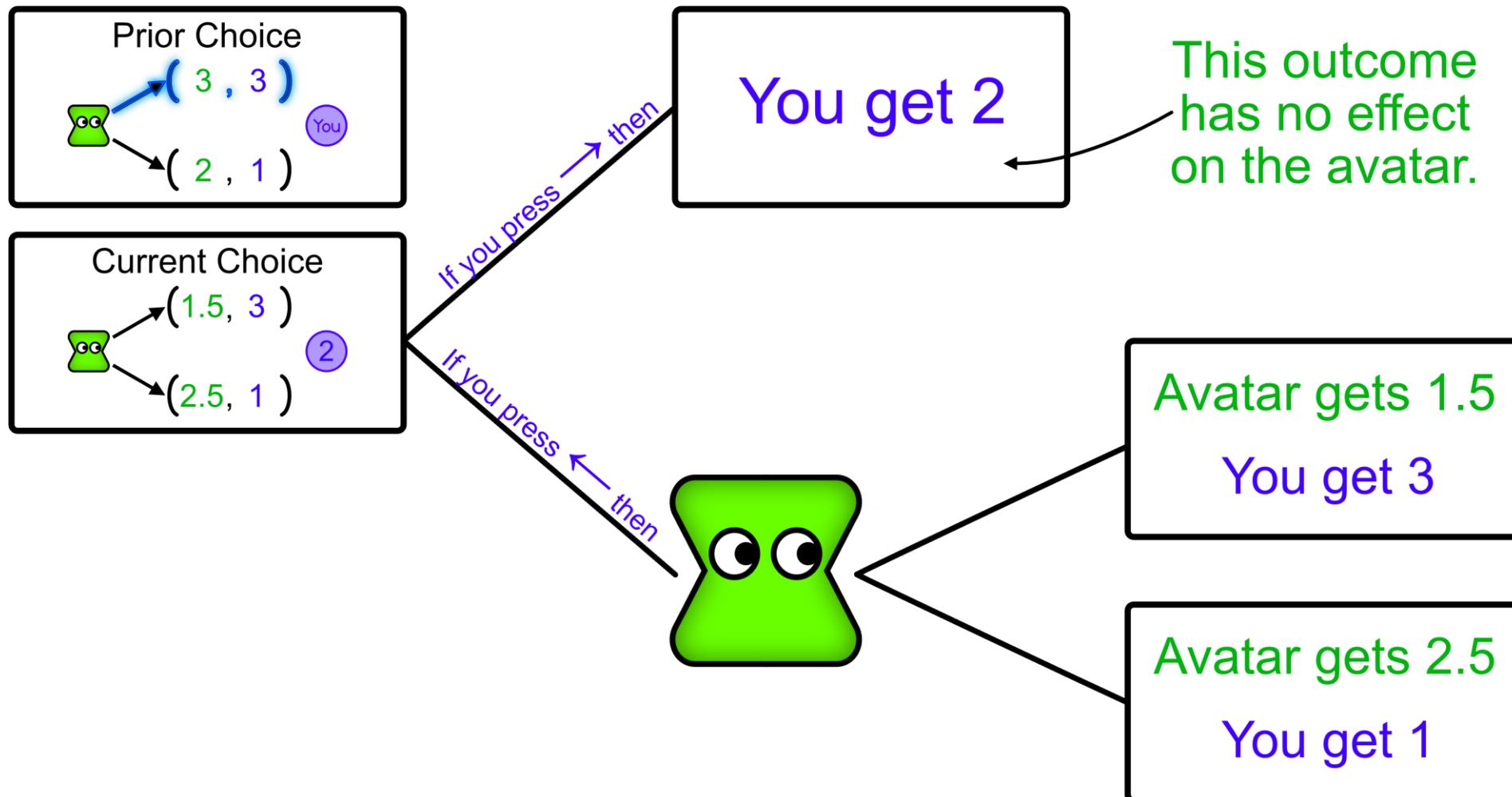


As you are about to read, the avatar will only choose in the “Current Choice” if you voluntarily give them control. Nevertheless, predict what they *would* choose if you *were to* give them control.

After making this prediction, you must choose to press the right or left arrow key. If you press “ $\rightarrow$ ”, then you will receive the number within the purple circle and the avatar cannot choose. However, if you press “ $\leftarrow$ ”, then the avatar will choose, meaning that they control the outcome.



If you press “ $\rightarrow$ ”, then you will receive a number, but the avatar won’t. This is a neutral outcome for the avatar. They are not affected positively or negatively. However, they will see your choice.



Question 9) True or False: You will only see the avatar's current choice if you choose to move.

Question 9) True or False: You will only see the avatar's current choice if you select “←”. **False.** Avatar's only make a current choice if you select “←”, but you will still see the choice they *would have* made even if you select “→”.

Question 10) True or False: Avatars will see your predictions.

Question 10) True or False: Avatars will see your predictions. **False.** Your prediction of their current choice is knowable only to you.

Question 11) True or False: Avatar's will see your choice of “←” or “→”.

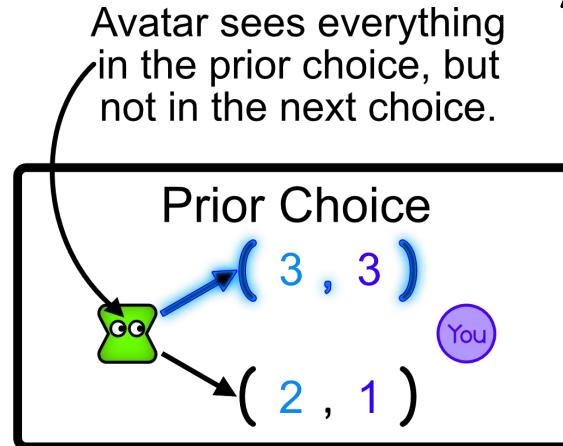
Question 11) True or False: Avatar's will see your choice of “ $\leftarrow$ ” or “ $\rightarrow$ ”. True.

Question 12) True or False: By choosing “ $\rightarrow$ ”, the avatar receives “0”.

Question 12) True or False: By choosing “→”, the avatar receives “0”. **False**. Choosing “→” causes the avatar to not receive a number, which is a neutral outcome. They are not impacted positively or negatively in any way by this choice.

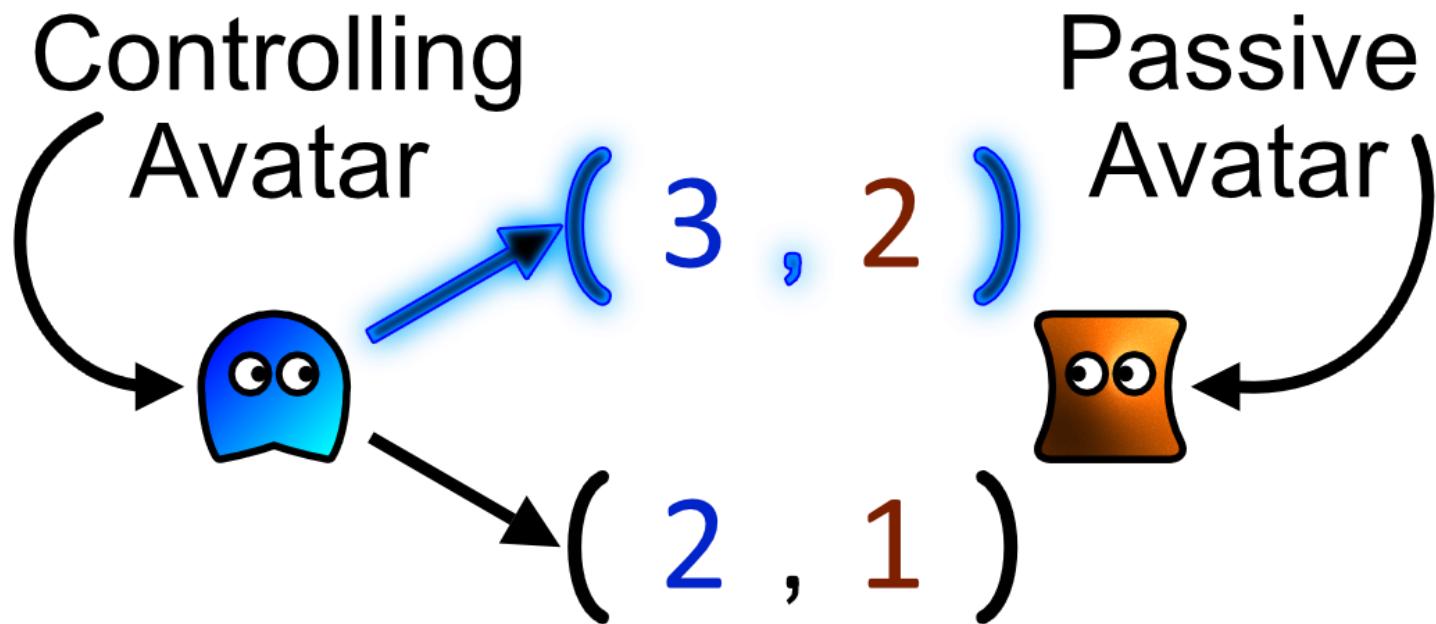
Question 13) True or False: Some avatars can see the numbers in the current choice before they make their prior choice.

Question 13) True or False: Some avatars can see the numbers in the current choice before they make their prior choice. **False.** Avatars only choose based the numbers they presently face.



Question 14) True or False: The outcome results from the choices made simultaneously by you and the avatar.

Question 14) True or False: The outcome results from the choices made simultaneously by you and the avatar. **False**. Outcomes are decided by only one person at a time.



Question 15) True or False: All avatars know that choices are between only two options, choices are final, numbers cannot be shared/divided, verbal communication is impossible, and that you know all these things.

Question 15) True or False: All avatars know that choices are between only two options, choices are final, numbers cannot be shared/divided, verbal communication is impossible, and that you know all these things. **True.**

# End of Tutorial

Please begin Block 1 of the experiment.