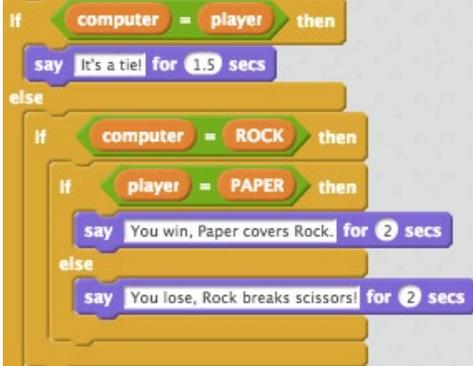


## Comparing and Contrasting Solutions

1. Below are two versions of Scratch code from Rock, Paper, Scissors that do the same thing. In your own words, what do you think they do?

**ANSWERS WILL VARY.** SAMPLE ANSWER: They determine if it's a tie. Also, they determine who wins when the computer chooses ROCK and the player chooses ROCK, PAPER, or SCISSORS.

2. Fill in the graphic organizer below to compare and contrast these two chunks of code that do the same thing.

| DIFFERENCES UNIQUE TO VERSION 1   | VERSION 1   | SIMILARITIES IN BOTH VERSIONS  | VERSION 2  | DIFFERENCES UNIQUE TO VERSION 2   |
|---|---|--|--|---|
| <p><b>ANSWERS WILL VARY.</b><br/>                     SAMPLE ANSWERS:<br/>                     Uses "and"<br/>                     Uses a variable for SCISSORS<br/>                     Easier to read</p> |  | <p><b>ANSWERS WILL VARY.</b><br/>                     SAMPLE ANSWERS:<br/>                     Use "if"<br/>                     Use "="<br/>                     Use "say" block<br/>                     First "if" is the same<br/>                     Use variables for computer, player, ROCK, and PAPER</p> |  | <p><b>ANSWERS WILL VARY.</b><br/>                     SAMPLE ANSWERS:<br/>                     Uses "else"<br/>                     "If's inside "if's"<br/>                     SCISSORS variable not used<br/>                     More efficient</p> |

3. Which version is easier for you to understand? Why?

**ANSWERS WILL VARY.**