Algorithm

-iterate through through the values you are given and if you detect an A or a B recognize that and keep track of how many if one of these is not detected then throw out that input. Then see if they are the same or compare value and determine the results

| Test Cases | |
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| **Description** | **Given Input (in bold) and Expected Output** |
| “Typical” case | How many votes? 6  ABBABB  Output:  B |
| Tie Case | How many votes?8  ABBABAAB  Output:  Tie |
| Error Case | How many votes? 6  ABBAJ  Output:  Error |
| Error Case | How many votes? 9  ABBABB  Output:  Error |
| Should do this | How many votes? foo  How many votes? 4  AAAB  Output:  A |
| Second Typical Case | How many votes? 6  ABBAAA |