```
\mathtt{HTMLSearch}(\mathtt{currentHTMLElements}, \mathtt{columnWords}, \mathtt{n}, \mathtt{chapterHTMLElements}, \mathtt{isSearchingFirst}) \{
MutableArray wordsToCheck;
if(isSearchingFirst == true){
        for (i = 0; i < n; i++){
                 wordsToCheck.add(columnWords[i]);
}
else {
        for (i = columnWords.count - 1; i > columnWords.count - n; i--) {
                 wordsToCheck.add(columnWords[i]);
MutableArray validElements;
//iterate through all currentHTMLElements
for (i = 0; i < currentHTMLElements.count ; i++){</pre>
        HTMLObject localCopy = currentHTMLElements[i];
        MutableArray wordsForThisElement;
        //iterate through the wordsToCheck
        for (j = 0; j < n; j++){
                 String currentWord = wordsToCheck.[j];
                 //Track the numberOfOccurancesForEachWord
                 MutableArray numberOfOccurancesForEachWord;
                 for (k = 0; k < n; k++)
                         //If the current
                         if(currentWord == localCopy.wordArray[k]){
                               numberOfOccurancesForEachWord.add(i);
                 }
                 if(numberOfOccurancesForEachWord.count != 0){
                         wordsForThisElement.add(numberOfOccurancesForEachWord);
                 }
        }
        //Check that the number of wordsForThisElement is the same as the depth of
        recursion. If so, add this Element to the validElements array
        if (wordsForThisElement.count == n) {
                 validElements.add(localCopy);
if (validElements.count > 1) {
        // More than one element contains all words at this level, increase n by 1.
        return HTMLSearch(validElements, columnWords, n+1, chapterHTMLElements,
        isSearchingFirst);
```