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APCS2 pd5  
HW01 -- Speaking In Pseudocode  
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Assume var is the integer you're searching for:

1. Begin with the number at the top right of the array.
2. If the current number is equal to var, the search is finished.
3. If the current number is at the bottom left of the array, var is not in the array.
4. If the current number is greater than var, change the current number to the number in the row below and go to step 2.
5. If the current number is less than var, change the current number to the number to the left and go to step 2.

If arr contains the 2D array (pseudocode):

```
int col = arr.length - 1;
int row = 0;
int currentNum = arr[row][col];
while ( var != currentNum ) {
    if ( col == 0 && row == arr.length - 1 ) {
        // return not found
    } else if ( currentNum > var ) {
        row++;
    } else {
        col--;
    }
    currentNum = arr[row][col];
}
// return [row, col]
```