

## 6016. Cells in a Range on an Excel Sheet

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A cell ( $r$ ,  $c$ ) of an excel sheet is represented as a string " $\text{<col><row>}$ " where:

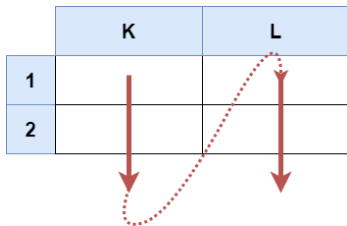
- $\text{<col>}$  denotes the column number  $c$  of the cell. It is represented by **alphabetical letters**.
  - For example, the 1<sup>st</sup> column is denoted by 'A', the 2<sup>nd</sup> by 'B', the 3<sup>rd</sup> by 'C', and so on.
- $\text{<row>}$  is the row number  $r$  of the cell. The  $r^{\text{th}}$  row is represented by the **integer**  $r$ .

You are given a string  $s$  in the format " $\text{<col1><row1>:<col2><row2>}$ ", where  $\text{<col1>}$  represents the column  $c_1$ ,  $\text{<row1>}$  represents the row  $r_1$ ,  $\text{<col2>}$  represents the column  $c_2$ , and  $\text{<row2>}$  represents the row  $r_2$ , such that  $r_1 \leq r_2$  and  $c_1 \leq c_2$ .

Return the **list of cells** ( $x$ ,  $y$ ) such that  $r_1 \leq x \leq r_2$  and  $c_1 \leq y \leq c_2$ . The cells should be represented as **strings** in the format mentioned above and be sorted in **non-decreasing** order first by columns and then by rows.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

### Example 1:



**Input:**  $s = "K1:L2"$

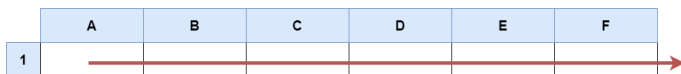
**Output:**  $["K1", "K2", "L1", "L2"]$

**Explanation:**

The above diagram shows the cells which should be present in the list.

The red arrows denote the order in which the cells should be presented.

### Example 2:



**Input:**  $s = "A1:F1"$

**Output:**  $["A1", "B1", "C1", "D1", "E1", "F1"]$

**Explanation:**

The above diagram shows the cells which should be present in the list.

The red arrow denotes the order in which the cells should be presented.

### Constraints:

- $s.length == 5$
- 'A'  $\leq s[0] \leq s[3] \leq 'Z'$
- '1'  $\leq s[1] \leq s[4] \leq '9'$
- $s$  consists of uppercase English letters, digits and ':'.

JavaScript



```

1 const ord = (c) => c.charCodeAt();
2
3 const cellsInRange = (s) => {
4   let res = [];
5   for (let i = ord(s[0]); i <= ord(s[3]); i++) {
6     let c = String.fromCharCode(i);
7     for (let j = s[1]; j <= s[4]; j++) {
8       // pr(c, j);
9       res.push(c + j);
    }
  }
  return res;
}
```

```
10      }
11      }
12      return res;
13  };
```

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