

1200. Minimum Absolute Difference

Easy 1432 58 Add to List Share

Given an array of **distinct** integers `arr`, find all pairs of elements with the minimum absolute difference of any two elements.

Return a list of pairs in ascending order(with respect to pairs), each pair `[a, b]` follows

- `a, b` are from `arr`
- `a < b`
- `b - a` equals to the minimum absolute difference of any two elements in `arr`

Example 1:

Input: `arr = [4,2,1,3]`

Output: `[[1,2],[2,3],[3,4]]`

Explanation: The minimum absolute difference is 1. List all pairs with difference equal to 1 in ascending order.

Example 2:

Input: `arr = [1,3,6,10,15]`

Output: `[[1,3]]`

Example 3:

Input: `arr = [3,8,-10,23,19,-4,-14,27]`

Output: `[[-14, -10], [19, 23], [23, 27]]`

Constraints:

- `2 <= arr.length <= 105`
- `-106 <= arr[i] <= 106`

```
1 class Solution {
2 public:
3     vector<vector<int>> minimumAbsDifference(vector<int>& arr) {
4
5     }
6 };
```

Need more space? Try using full screen mode!

Got it!