```
1 def min_length_after_removals(nums):
      n = len(nums)
      max_pairs = n // 2
      min_length = n - 2 * max_pairs
      return min_length
    nums = [1, 2, 3, 4]
    print(min_length_after_removals(nums))
2. def sub_str(words):
      result=[]
      for i in range(len(words)):
        for j in range(len(words)):
           if i!=j and words[i] in words[j]:
             result.append(words[i])
      return result
    words=['has','as','deepika','deep']
    print(sub_str(words))
class TreeNode:
      def __init__(self, val=0, left=None, right=None):
        self.val = val
        self.left = left
        self.right = right
    def sortedArrayToBST(nums):
      if not nums:
         return None
      def helper(left, right):
        if left > right:
           return None
```

```
mid = (left + right) // 2
        root = TreeNode(nums[mid])
        root.left = helper(left, mid - 1)
        root.right = helper(mid + 1, right)
        return root
      return helper(0, len(nums) - 1)
4. def printLevelOrder(root):
      if not root:
        return []
      result = []
      queue = [root]
      while queue:
        current = queue.pop(0)
        if current:
          result.append(current.val)
          queue.append(current.left)
          queue.append(current.right)
        else:
          result.append(None)
      while result and result[-1] is None:
        result.pop()
      return result
   nums = [-10, -3, 0, 5, 9]
   tree_root = sortedArrayToBST(nums)
   print(printLevelOrder(tree_root))
```

5. def wiggleSort(nums):

```
nums.sort()
n = len(nums)
mid = (n + 1) // 2
left = nums[:mid]
right = nums[mid:]
nums[::2], nums[1::2] = left[::-1], right[::-1]
nums1 = [1, 5, 1, 1, 6, 4]
wiggleSort(nums1)
print(nums1)
```