

① [3, 16, 8, 4, 5]
 max = 16
 ↳ iterate over array
 ↳ each element multiplies

② in place
 ↳ can't create new variable
 ↳ requires temp variable

2- [3, 6, 8, 4, 9, 5]
 0- [5, 9, 4, 8, 6, 2]
 ③ [3, 6, 8, 4, 9, 5] end = 5
 start = 0
 if (end > start) {
 temp = arr[start][2]
 arr[start] = arr[end][2]
 arr[end] = temp
 start++
 end--
 }

③ [3, 6, 8, 4, 9, 5]
 smallest = ∞
 second smallest = ∞

(3 < ∞)
 second smallest = ∞
 smallest = 3

6 < 3
 6 < ∞ 8 8 6 ! = 3
 second smallest = 6

8 < 3
 8 < 6 2 8 8 ! = 3

4 < 3
 4 < 8 2 8 4 ! = 3
 second smallest = 4

④
 arr [1, 2, 4, 6, 8, 9]
 arr [2, 4, 6, 10, 12]
 output → [2, 4, 6] [intersection]
 output → [1, 8, 9, 10, 12] [symmetric diff]

nested loops
 time complexity reduces
 ↳ set, Map (object)
 ↳ array with other array
 we will iterate

⑤ Arrays
 triangles, integral

arr.sort()
 ↳ alphabetically

arr.sort((a, b) => a - b)
 ↳ sort numbers

⑩
 for (; ;)
 for (; ;)
 ↳ return
 ↳ a/b