You are given an integer finalSum. Split it into a sum of a **maximum** number of **unique** positive even integers.

* For example, given finalSum = 12, the following splits are **valid** (unique positive even integers summing up to finalSum): (2 + 10), (2 + 4 + 6), and (4 + 8). Among them, (2 + 4 + 6) contains the maximum number of integers. Note that finalSum cannot be split into (2 + 2 + 4 + 4) as all the numbers should be unique.

Return *a list of integers that represent a valid split containing a****maximum****number of integers*. If no valid split exists for finalSum, return *an****empty****list*. You may return the integers in **any** order.

**Example 1:**

**Input:** finalSum = 12

**Output:** [2,4,6]

**Explanation:** The following are some valid splits: (2 + 10), (2 + 4 + 6), and (4 + 8).

(2 + 4 + 6) has the maximum number of integers, which is 3. Thus, we return [2,4,6].

Note that [2,6,4], [6,2,4], etc. are also accepted.

**Example 2:**

**Input:** finalSum = 7

**Output:** []

**Explanation:** There are no valid splits for the given finalSum.

Thus, we return an empty array.

**Example 3:**

**Input:** finalSum = 28

**Output:** [6,8,2,12]

**Explanation:** The following are some valid splits: (2 + 26), (6 + 8 + 2 + 12), and (4 + 24).

(6 + 8 + 2 + 12) has the maximum number of integers, which is 4. Thus, we return [6,8,2,12].

Note that [10,2,4,12], [6,2,4,16], etc. are also accepted.

**Constraints:**

* 1 <= finalSum <= 1010