

446. Arithmetic Slices II

Given list of integers, return the number of arithmetic subsequences.

A sequence is arithmetic if:

- Its size is ≥ 3
- Difference between consecutive values are the same.

Input: [1 2 4 7]

Generating subsequence:

$\begin{matrix} \checkmark & \times & \checkmark & \checkmark \\ [1 & 2 & 4 & 7] \end{matrix} \Rightarrow [1 \ 4 \ 7]$ difference: 3
 $\uparrow \quad \rightarrow \quad \rightarrow$ size = 3

d: nil d: 3 d: 3

size: 1 s: 2 s: 3

\uparrow
++result++