

875. Koko Eating Bananas

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Koko loves to eat bananas. There are n piles of bananas, the i^{th} pile has `piles[i]` bananas. The guards have gone and will come back in h hours.

Koko can decide her bananas-per-hour eating speed of k . Each hour, she chooses some pile of bananas and eats k bananas from that pile. If the pile has less than k bananas, she eats all of it and it takes her no extra time to finish eating that pile.

Koko likes to eat slowly but still wants to finish eating all the bananas before the guards return.

Return *the minimum integer k such that she can eat all the bananas within h hours.*

Example 1:

Input: `piles = [3,6,7,11], h = 8`
Output: `4`

Example 2:

Input: `piles = [30,11,23,4,20], h = 5`
Output: `30`

Example 3:

Input: `piles = [30,11,23,4,20], h = 6`
Output: `23`

Constraints:

- `1 <= piles.length <= 104`
- `piles.length <= h <= 109`
- `1 <= piles[i] <= 109`

Seen this question in a real interview before? 1/4

☒ Yes ☐ No

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