# 875. Koko Eating Bananas

## SOLUTION IN JAVA

class Solution {

public int minEatingSpeed(int[] piles, int h) {

int l = 1;

int r = Arrays.stream(piles).max().getAsInt();

while (l < r) {

final int m = (l + r) / 2;

if (eatHours(piles, m) <= h)

r = m;

else

l = m + 1;

}

return l;

}

// Returns the hours to eat all the piles with speed m.

private int eatHours(int[] piles, int m) {

return Arrays.stream(piles).reduce(

0, (subtotal, pile) -> subtotal + (pile - 1) / m + 1); // ceil(pile / m)

}

}