* Remove Stones to Minimize the Total

4, 3, 6, 7 $(7+1)/2 = 4$ $K = 3$

val = floor(val/2) = $(val+1)/2$

1 = 4, 3, 6, 4 $6+1/2 = 3$

2 = 4, 3, 3, 4 $(4+1)/2 = 2$

3 = 4, 3, 3, 2

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$O(n + k \log n)$ Add to max Heap & then do the pop & insertion.

$O(n)$

$O(n+k)$ $O(10001)$ • Add to a Array of 0 - 10001 & then keep iterating from 10001 to 0.

~~Sum~~ change sum inplace when changing the values.