

## \* Minimize Deviation in Array \*

[4, 1, 5, 20, 3]

even vals  $\rightarrow$  only  $/2$

odd vals  $\rightarrow$  only  $*2$

odd value  $\rightarrow *2 \rightarrow$  in next iteration,  $/2$

use a maxHeap.

~~Store val~~ push values. If odd,  $*2$  & store. Take min. value.

while top of maxHeap is even,  $\text{diff} \rightarrow$  If odd comes in, its the expansion of  $\text{diff} \rightarrow$  take  $\text{diff} \rightarrow$  & push to pq by  $\text{val}/2$ .

No. ....

Date. ....

Since odd  $\star 2 = \text{next top of max heap}$ .

TreeSet is also possible