

Thought 1:

Q: how do we choose the bucket size!

A: Set it [0,t) > can store tt)

Elements

because if A_{i} , $A_{j} \in [0,t]$ Me return Time

else, check prev([0,t])

next([0,t])

Q:What if a bucket contain 2 numbers?

A: If a bucket contain 2 numbers we have already returned!

So it will not happen!!!(!!!.