

* Random Pick Index

(1, 2, 3, 3, 3)

pick 3 \rightarrow 2/3/4 randomly

pick 2 \rightarrow 1

Store indexes in hash Map & then pick randomly

use reservoir sampling.

take upto now count of target. Then if random value = 0, then chase that index. Iterate till the end of list.

Better for infinitely long list.