## Hash Set < Integers set = new Hashlet<>U

- -s no doplicate value
- -> get in O(1)
- -> oader is not preserved

Boute Foace

For each elem in over, we will search the elem

0 (n) + 6(n) -3 6(n) Ques Langth of longest Subcarray with sum=k 10 15 12 17 11 19 Baute Foace

b3

| -5 | 8 | -14 | 2 | 4 | 12 | T

Porl starts for (start to end)

maxL = Be

girst inch

ps

k = 4 2 1 1 3 0 2 -1 bs 0 2 3 4 7 7 8 Count Court = 0+1+1+1+1 =3 \$ X Z Z Y 4 Longest (oout Ques Shortest substained that has all the Vovels
0 1 2 3 4 5 6 7 8 9 10 a bio vjueabd Vovel Cour 1) Aguine 2 passible answor

(3) Release till the condition is torve Coptimise (4) Check passible ans s.1 end 2 3 4 5 6 7 8 9 10 11 abedabeiolva 0 max L = 95 H 7 (1) Acquire loop (mapis < 5)

2++

2 Passible ans e-s+1

2) Release loop ( map. s == 5) ? Charat s

9++

3