

Substring: -0 phm 1 - 9, & l2 Bruteforce - lik li common String of abcxyollors Shing xyzabcp - ki]-15 all breix of 872 prefix of Strl to and Compane all Com mon Cuffix bla torgst com form's on. all p q abc xy x yz abcp 2 y P9 242 pqa xyz a pgab a1) xyz a b frgix pq abc longest comm pg abcx xyzabcp. U paabcxy commo subsidique SI + pa apc xy x yzab cp 82 7 2 2 2 24 xyzabcp. xyzabc xyz xyza xyz ab Φ ф ф ф Ф Ф P2 **(** Φ Φ Ф Φ Φ 0 ф α Φ Pqa Ф Φ Φ \bigcirc Ф Φ ab \bigcirc Paab 0 paabc \$ \$ 9 **(** 0 Ф abc Þ Ø ф \bigcirc 0 pqabcx X Φ

0

27

Φ

paabcxy

0

abc — longst common substing.

9

 Φ

String 81 - pqabcxy
String 82 - xyzabcp

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1	4			
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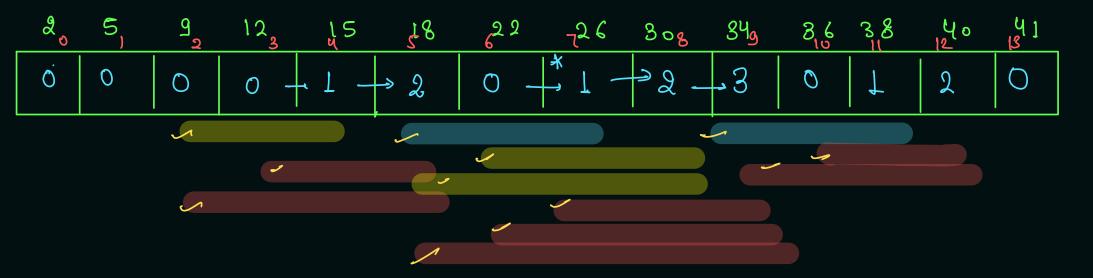
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y	O	0	2	0	8	0	0	Q

Ch1==Ch2	Chl ‡ch
(m, m) +1	O
(Si) (32	n Chr.

Arithmatic Slice-1

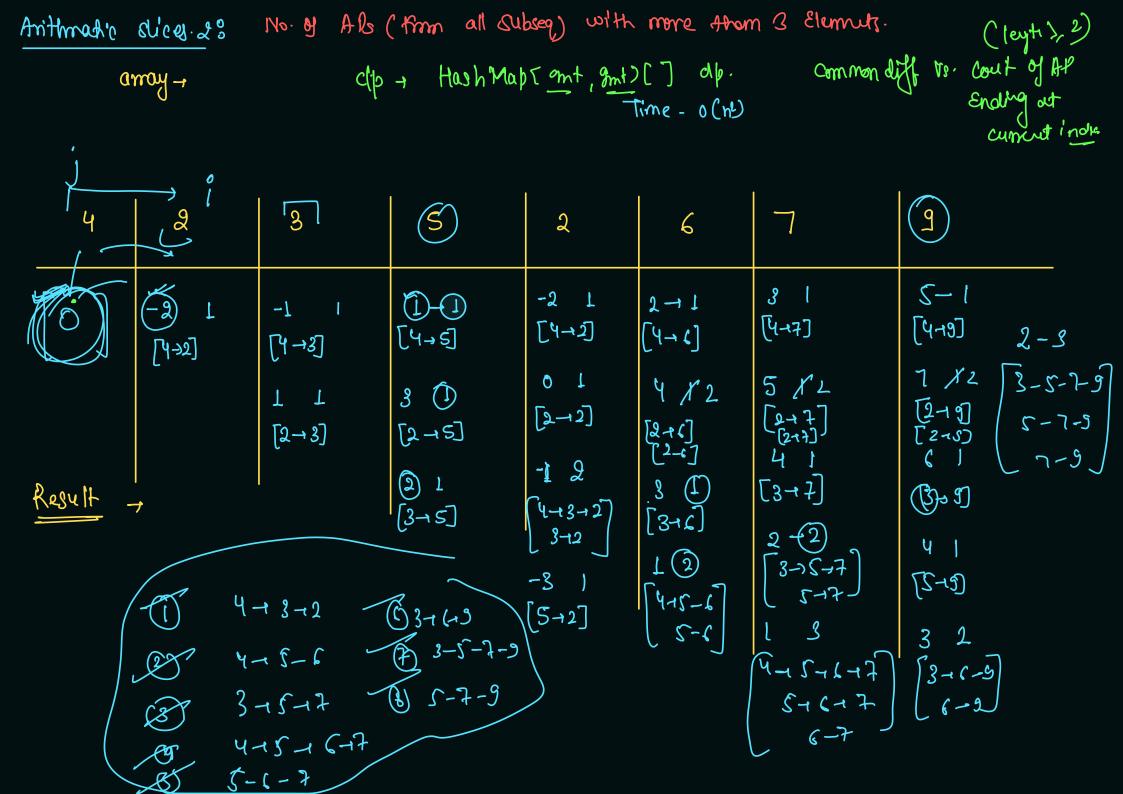
No. of Subarray which are AP, no. of Elements in subarray greater than or equal to 3.

Total No. of APs _ add all Element from DP

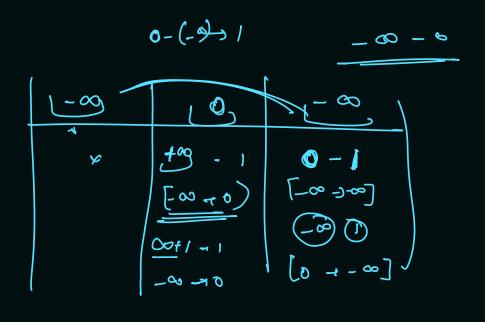


 $AP \geqslant 3$

* No. of AP (considering subarrays) Ending at current Element.



```
// arithmatic slices 2
public static int arithmaticSlices2(int[] arr) {
   int n = arr.length; Lmg'
   for(int i = 0; i < n; i++) {
      dp[i] = new HashMap <> ();
   }
   int count = 0;
   for(int i = 1; i < n; i++) {
      for(int j = 0; j < i; j++) {
          int countInI = dp[i].getOrDefault(cd, 0);
          int countInJ = dp[j].getOrDefault(cd, 0);
          count += countInJ;
          dp[i].put(cd, countInI + countInJ + 1);
   return count;
```



$$\log z = 0 - (-\infty)$$