mod[3]**=** {oo**+**7,oo**+**9,998244353};

**void** **init**()

{

**for** (**int** i**=**1; i**<=**n; **++**i)

**for** (**int** j**=**0; j**<**3; **++**j)

{

H1[i][j]**=**(H1[i-1][j]**\***37**%**mod[j]**+**S1[i]**-**'a')**%**mod[j];

H2[i][j]**=**(H2[i-1][j]**\***37**%**mod[j]**+**S2[i]**-**'a')**%**mod[j];

}

**for** (**int** i**=**0; i**<**3; **++**i)

{

Mu[0][i]**=**1;

**for** (**int** j**=**1; j**<=**n; **++**j)

Mu[j][i]**=**Mu[j-1][i]**\***37**%**mod[i];

}

}

**long long getH(int i,int j,int tp)**

**{**

**return (H[j][tp]-H[i-1][tp]\*Mu[j-i+1][tp]%mod[tp]+mod[tp])%mod[tp];**

**}**

**bool** **ss**(**int** vt1,**int** vt2,**int** dd)

{

**int** cnt**=**0;

**for** (**int** j**=**0;j**<**3;**++**j)

**if** (getH1(vt1,vt1**+**dd-1,j)**==**getH2(vt2,vt2**+**dd-1,j))

cnt**++**;

**return** (cnt**>**1);

}

Bài mẫu: https://oj.vnoi.info/problem/substr