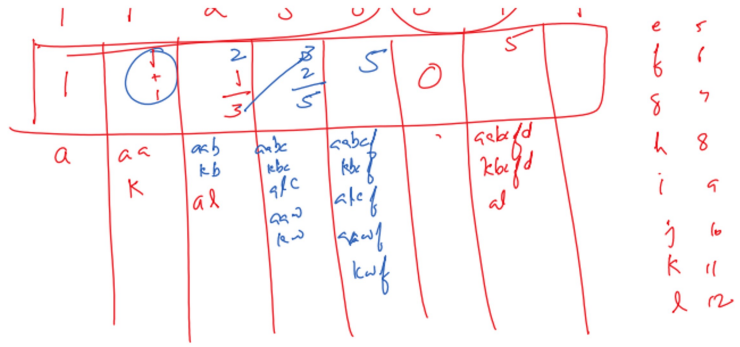
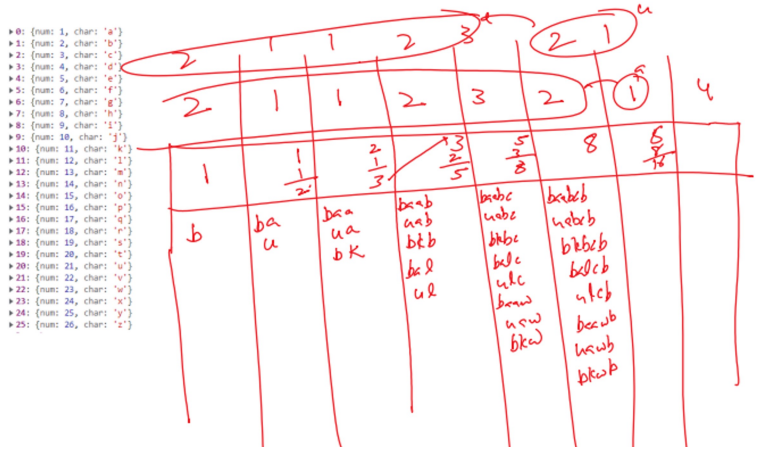
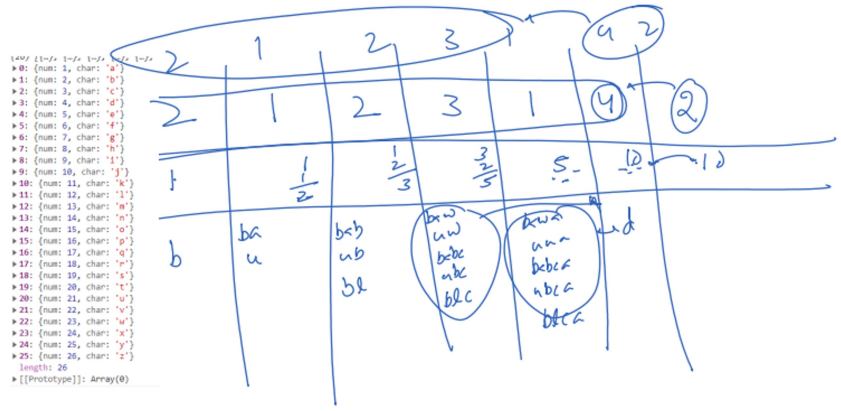
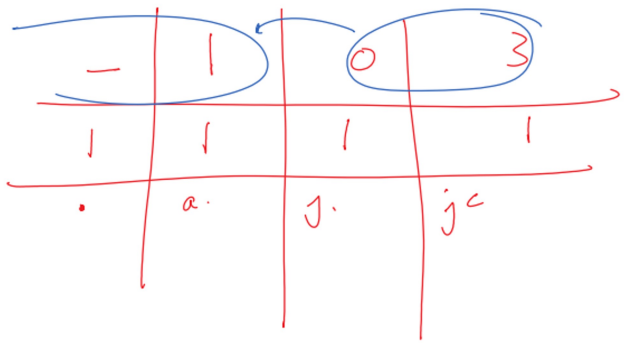
Count encoding

14 April 2022 17:28

https://nados.io/question/count-encodings

Check the last letter and last-1, and do operations accordingly.

```
#include<iostream>
#include<bits/stdc++.h>
using namespace std;
int main()
{
   string str;
   getline(cin, str);

   int dp[str.size()+1];

   dp[0]=1;

   dp[1]=1;
   for(int i=2;i<=str.size();i++)
   {
      string s1;
      s1=str[i-1];

      int n1=stoi(s1);

      if(n1!=0)
      {
         dp[i]=dp[i-1];
      }
      string s2;
      s2=str[i-2];
      s2.append(s1);

      int n2 = stoi(s2);
      if(n2!=0 && n2<=26)
      {
         dp[i]+=dp[i-2];
      }
   }
   cout<<dp[str.size()];
}
```

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