

POLYCORNPS ENCODING REVERSAL

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DETAILS OF PROJECT:I'm implementing this project by using Python Programming Language.

CODE:

polycorps_encoding_reversal.py

```
1 def decode(x,y):
2     z=""
3     s=""
4     r=x-1
5     while (r>=0):
6         if y[r]=="0":
7             z=y[r-2]+y[r-1]
8             r-=3
9         else:
10            z=y[r]
11            r-=1
12            f=int(z)
13            s=chr(96+f)+s
14    print(s)
15    g=int(input())
16    for i in range(g):
17        x=int(input())
18        y=input()
19        decode(x,y)
```

INPUT&OUTPUT:

```
1
6
315045
```

Output:

code

EXPLANATION: In this program I have implemented polycarp's encoding reversal which is nothing but decoding the encoded string and revealing the original text, in which I have taken it as an input from the user and displayed the output

CONCULSION: Finally I have got the desired output original string