

```
#user id generation
fname=str(input())
lname=str(input())
pin=int(input())
n=int(input())
l=[]
uidbt=''
uidat=''
longn=''
shortn=''
l.extend([fname,lname])
if len(fname)>len(lname):
    longn=fname
    shortn=lname
elif len(fname)<len(lname):
    longn=lname
    shortn=fname
else:
    l.sort()
    shortn=l[0]
    longn=l[1]
uidbt=longn[-1]+shortn+str(pin)[n-1]+str(pin)[::-1][n-1]
for i in uidbt:
    if i.isupper()==True:
        uidat=uidat+i.lower()
    if i.islower()==True:
        uidat=uidat+i.upper()
    else:
        uidat=uidat+i
uidat=uidat[0:2]+uidat[3:]
print(uidat)
```