#1,

def same(n):

pr=n[0]

for i in n[1:]:

while not i.startswith(pr):

pr=pre[:-1]

if not pr:

print("invalid similar prefix")

print(f"common prefix:{pr}")

word=input("enter:").split()

p=same(word)

print(p)

#2,

def subseq(s,p):

s\_pointer=0

p\_pointer=0

while s\_pointer<len(s) and p\_pointer<len(p):

if s[s\_pointer]==p[p\_pointer]:

s\_pointer+=1

p\_pointer+=1

return s\_pointer==len(s)

print(subseq("abc","ahbgdc"))

print(subseq("axc","ahbgdc"))