def sumDigatSquare(n):

sq = 0;

while (n!=0):

digit=n%10

sq+=digit\*digit

n=n//10

return sq

def isHappy (n):

s=set()

s.add

while (True):

if(n == 1):

return True;

n=sumDigitsquare

if n in s:

return False

s.add

return false;

n=int(input ("enter the number:"))

if (isHappy (n)):

print("true")

else:

print ("false")