```
for N in range(2, 10000):
 sum1=0
 N1=str(N)
 for c in N1:
  if int(c)%2==0:
     sum1+=int(c)
  sum2=0
 i=0
  for c in N1:
     i+=1
   if i%2==0:
    sum2+=int(c)
  if abs(sum1-sum2) == 13:
     print(N)
   break
or N in range(2, 10000):
  sum1=0
 N1=str(N)
 for c in N1:
     if int(c)%2==0:
   sum1+=int(c)
 sum2=0
 i=0
 for c in N1:
     i+=1
     if i%2==0:
       sum2+=int(c)
 if abs(sum1-sum2) == 9:
    print(N)
   break
for N in range(2, 10000):
  sum1=0
  N1=bin(N)[2:]
  i=0
 for c in N1:
   i+=1
  if i\%2 == 0 and int(c) == 1:
    sum1+=int(c)
  sum2=0
 for c in N1:
     i+=1
    if i%2!=0 and int(c)==0:
        sum2+=1
  if abs(sum1-sum2) == 5:
 print(N)
```

```
for N in range(10, 10000):
  sum1=0
 MIN=999
  MAX=0
  for c in range(len(str(N))-1):
      d=int(str(N)[c]+str(N)[c+1])
      MIN=min(MIN,d)
      MAX=max(MAX,d)
  if MIN+MAX==137:
     print(N)
     break
for N in range(10, 10000):
  sum1=0
  MIN=999
  MAX=0
  for c in range(len(str(N))-1):
      d=int(str(N)[c]+str(N)[c+1])
      MIN=min(MIN,d)
      MAX=max(MAX,d)
  if MAX-MIN==44:
     print(N)
   break
```