**Q10346: Peter's Smokes**

Peter有 **n**支紙煙，他一支一支的抽並且把煙屁股留起來。當他有 **k** 支煙屁股（k>1）時他可以把它們捲成一支新的紙煙。

請問Peter共可以抽幾支紙煙？

**Input**

每筆測試資料一列。每列有2個整數 n,k。

**Output**

對每一列輸入，請輸出Peter共可以抽幾支紙煙。

**Sample Input**

4 3

10 3

100 5

**Sample Output**

5

14

124

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

FileOpen(1, "in1.txt", 1)

FileOpen(2, "out1.txt", 2)

Dim a, b, c As String

Dim d$

Do Until EOF(1) = True

d = LineInput(1)

For i = 1 To Len(d)

Select Case Mid(d, i, 1)

Case "0" To "9"

a = a & Mid(d, i, 1)

Case Else

b = a

a = ""

End Select

Next

Do

c = Val(c) + Val(b)

If Val(b) < Val(a) Then

Exit Do

End If

b = Val(b) \ Val(a)

Loop

If EOF(1) = True Then

Print(2, c)

Else

PrintLine(2, c)

End If

a = ""

b = ""

c = ""

Loop

End Sub