



15 Endlosschleifen verhindern

Ausgangssituation

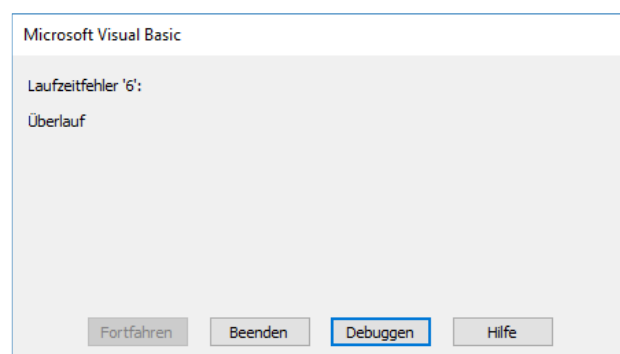
```
Sub Ausgangssituation()  
  
    'Variablen definieren  
    Dim x As Integer  
    Dim zelle As Integer  
  
    'Den Variablen Werte zuweisen  
    x = 0  
    zelle = 1  
  
    'Do Loop Schleife  
    Do  
        x = x + 1  
        Cells(zelle, 1).Value = x  
        zelle = zelle + 1  
    Loop Until x > 5  
  
End Sub
```

	A
1	1
2	2
3	3
4	4
5	5
6	6

Beispiel 1: Abbruchkriterium (Loop Until x > 5) wird nie erreicht

```
Sub Beispiell1()  
  
    'Variablen definieren  
    Dim x As Integer  
    Dim zelle As Integer  
  
    'Den Variablen Werte zuweisen  
    x = 0  
    zelle = 1  
  
    'Do Loop Schleife  
    Do  
        x = x - 1  
        Cells(zelle, 1).Value = x  
        zelle = zelle + 1  
    Loop Until x > 5  
  
End Sub
```

	A
7067	-7067
7068	-7068
7069	-7069
7070	-7070
7071	-7071
7072	-7072
7073	...





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Beispiel 2: Endlosschleife verhindern mit der Variable „safety“

```
Sub Beispiel2()  
  
    'Variablen definieren  
    Dim x As Integer  
    Dim zelle As Integer  
    Dim safety As Long  
  
    'Den Variablen Werte zuweisen  
    x = 0  
    zelle = 1  
    safety = 0  
  
    'Do Loop Schleife  
    Do  
        x = x - 1  
        Cells(zelle, 1).Value = x  
        zelle = zelle + 1  
  
        safety = safety + 1  
  
        If safety > 100 Then  
            MsgBox "Vermutlich Endlosschleife"  
            Exit Do  
        End If  
  
    Loop Until x > 5  
  
End Sub
```

	A
94	-94
95	-95
96	-96
97	-97
98	-98
99	-99
100	-100
101	-101
102	
103	
104	

