

Endlosschleifen verhindern

- Ausgangssituation

Sub Ausgangssituation()

Dim x As Integer
Dim zelle As Integer

x = 0
zelle = 1

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 Beispiel1()

Dim x As Integer
Dim zelle As Integer

x = 0
zelle = 1

Do
 x = x - 1
 Cells(zelle, 1).Value = x
 zelle = zelle + 1

Loop Until x > 5

End Sub

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

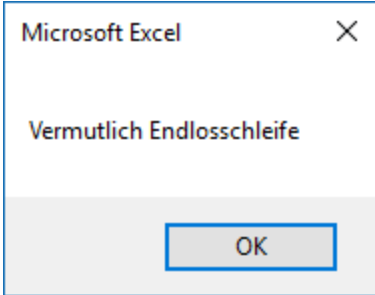
Microsoft Visual Basic

Laufzeitfehler '6':
Überlauf

Fortfahren Beenden **Debuggen** Hilfe

• Beispiel 2: Endlosschleife verhindern mit der Variable „safety“

```
Sub Beispiel2()  
Dim x As Integer  
Dim zelle As Integer  
Dim safety As Long  
  
x = 0  
zelle = 1  
safety = 0  
  
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	