

The `forloop` package*

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The `forloop` package defines two commands `\forloop` (preferred usage) and `\forLoop` (deprecated).

1 Implementation

```
\forloop \forloop[<step>]{<counter>=<value>}{<condition>}{<code>}.  
    In action: \forloop{testct=1}{\value{testct} < 3}{\arabic{testct}}  
12  
1 \newcommand{\forloop}[4][1]%  
2 {%  
3 \forloop@split#2\%%  
4 \setcounter{\forloop@ct@name}{\forloop@ct@initialvalue}%  
5 \whiledo{ #3 }%  
6 {%  
7 #4%  
8 \addtocounter{\forloop@ct@name}{#1}%  
9 }%  
10 }%  
  
11 \def\forloop@split#1=#2\{%  
12 \gdef\forloop@ct@name{#1}%  
13 \gdef\forloop@ct@initialvalue{#2}%  
14 }%  
  
\forLoop \forLoop[<step>]{<start>}{<stop>}{<counter name>}{<code>}  
15 \newcommand{\forLoop}[5][1]  
16 {%  
17 \setcounter{#4}{#2}%  
18 \ifthenelse{ \value{#4}<#3 }%  
19 {%  
20 #5%  
21 \addtocounter{#4}{#1}%  
22 \forLoop[#1]{\value{#4}}{#3}{#4}{#5}%  
23 }%  
24 % Else
```

*This document corresponds to `forloop` v1.0, dated 2006/09/17.

```

25 {%
26 \ifthenelse{\value{#4}=#3}%
27 {%
28 #5%
29 }%
30 % Else
31 {}%
32 }%
33 }

```

Change History

v1.0
 General: Initial Release 1

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in **roman** refer to the code lines where the entry is used.

Symbols			
		<code>\forloop</code>	<u>1</u>
<code>\%</code>	3, 11	<code>\forloop@ct@initialvalue</code>	4, 13
F		<code>\forloop@ct@name</code>	4, 8, 12
<code>\forLoop</code>	<u>15</u>	<code>\forloop@split</code>	3, 11