

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}{initial value}{condition}{code}
  \newcounter{ct} \forloop{ct}{1}{\value{ct} < 10}{\arabic{ct} }
  1 2 3 4 5 6 7 8 9
1 \newcommand{\forloop}[5][1]%
2 {%
3 \setcounter{#2}{#3}%
4 \ifthenelse{#4}%
5 {%
6 #5%
7 \addtocounter{#2}{#1}%
8 \forloop[#1]{#2}{\value{#2}}{#4}{#5}%
9 }%
Else
10 {%
11 }%
12 }%

\forLoop \forLoop[step]{start}{stop}{counter name}{code}
13 \newcommand{\forLoop}[5][1]
14 {%
15 \setcounter{#4}{#2}%
16 \ifthenelse{ \value{#4}<#3 }%
17 {%
18 #5%
19 \addtocounter{#4}{#1}%
20 \forLoop[#1]{\value{#4}}{#3}{#4}{#5}%
21 }%
22 % Else
23 {%
```

*This document corresponds to `forloop` v3.0, dated 2006/09/18.

```

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

```

Change History

v1.0			sources	1
	General: Initial Release	1	v3.0	
v2.0				
	General: Re-wrote forloop command after discovering that whiledo took too many re-		General: total restructure of forloop command to make nested loops work	1

Index

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.

	F		<code>\forloop</code>	1
<code>\forLoop</code>				<u>13</u>