

The macro `\def\foo A#1\fake{123 #1}` stored as a token list in TeX's memory.

These characters **do not** become part of the <replacement text> token list.

`\def\foo A#1\fake{123 #1}`

<parameter text> <replacement text>

current node: 245122
token value: -268435454
reference count
next node: 245121

"reference count" node

This special node type is the first node in any macro token list (and other types of token list). It does not contain a token but, instead, it stores a value that TeX uses to track use of the macro. The node immediately following it contains the first token of the <parameter text>.

current node: 245121
token value: 2881
token type: character
catcode: 11
character: (A)
next node: 245120

Character token for the letter A with category code 11.

current node: 245120
token value: 3363
token type: match parameter (#1)
next node: 245119

"match parameter" token

This tells TeX that it needs to identify tokens in the user's macro call that are the arguments provided to the macro.

current node: 245119
token value: 19491
\fake
next node: 245118

Command token representing \fake

current node: 245118
token value: 3584
end match token
next node: 245117

"end match" token

Signifies the end of the <parameter text> section. Immediately after this token is the first token of the <replacement text> section.

<parameter text>

<replacement text>

current node: 245117
token value: 3121
token type: character
catcode: 12
character: (1)
next node: 245116

Character token for the number 1 with category code 12.

current node: 245116
token value: 3122
token type: character
catcode: 12
character: (2)
next node: 245115

Character token for the number 2 with category code 12.

current node: 245115
token value: 3123
token type: character
catcode: 12
character: (3)
next node: 245114

Character token for the number 3 with category code 12.

current node: 245114
token value: 2592
token type: character
catcode: 10
character: ()
next node: 245113

Token for a space character with category code 10.

current node: 245113
token value: 1281
token type: output parameter (#1)
next node: -268435455

"output parameter" token

These tokens tell TeX where to inject the tokens for the actual arguments provided by the user when the macro is called.

∅ Next node: "null", indicating last node in list.