T_FX - macro programming

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No separate handout for this chapter; see the book 'TEX by Topic'.

Exercise 1. Write a macro \intt ('in typewriter type') such that \intt {foo} and \intt {foo_bar} are output as foo and foo_bar, in typewriter type.

Exercise 3. T_EX natively has addition, multiplication, and division arithmetic. Write a square root routine in T_EX. Hint: Use Newton's method.

Exercise 4. Make this work:

```
\def\LeftDelim{(}\def\RightDelim{)}
\DefineWithDelims{foo}{My argument is '#1'.}
\def\LeftDelim{<}\def\RightDelim{>}
\DefineWithDelims{bar}{But my argument is '#1'.}
\foo(one)\par
\bar<two>
Output:
```

My argument is 'one'.
But my argument is 'two'.

In other words, \DefineWithDelims defines a macro – in this case \foo – and this macro has one argument, delimited by custom delimiters. The delimiters can be specified for each macro separately.

Hint: \DefineWithDelims is actually a macro with only one argument. Consider this code snippet:

```
\Define{foo}{ ... #1 ...}
\def\Define#1{
  \expandafter\def\csname #1\endcsname##1}
```

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