

**NAME**

`bprint` – expression profiler

**SYNOPSIS**

**bprint** [ *option ...* ] [ *file ...* ]

**DESCRIPTION**

*bprint* produces on the standard output a listing of the programs compiled by *lcc* with the **-b** option. Executing an **a.out** so compiled appends profiling data to **prof.out**. The first token of each expression in the listing is preceded by the number of times it was executed enclosed in angle brackets as determined from the data in **prof.out**. *bprint* interprets the following options.

- c**      Compress the **prof.out** file, which otherwise grows with every execution of **a.out**.
- b**      Print an annotated listing as described above.
- n**      Include line numbers in the listing.
- f**      Print only the number of invocations of each function. A second **-f** summarizes call sites instead of callers.
- I**      specifies additional directories in which to seek files given in **prof.out** that do not begin with **'/'**.

If any file names are given, only the requested data for those files are printed in the order presented. If no options are given, **-b** is assumed.

**FILES**

<code>prof.out</code>	profiling data
<code>\$LCCDIR/liblcc.{a,lib}</code>	<i>lcc</i> -specific library

**SEE ALSO**

*lcc*(1), *prof*(1)

**BUGS**

Macros and comments can confuse *bprint* because it uses post-expansion source coordinates to annotate pre-expansion source files. If *bprint* sees that it's about to print a statement count *inside* a number or identifier, it moves the count to just *before* the token.

Can't cope with an ill-formed **prof.out**.