

**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>	<code>lcc</code> -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`.