

NAME

as - assembler

SYNOPSIS

as [-] [-o objfile] file ...

DESCRIPTION

As assembles the concatenation of the named files. If the optional first argument - is used, all undefined symbols in the assembly are treated as global.

The output of the assembly is left on the file *objfile*; if that is omitted, *a.out* is used. It is executable if no errors occurred during the assembly, and if there were no unresolved external references.

FILES

/lib/as2 pass 2 of the assembler
 /tmp/atm[1-3]? temporary
 a.out object

SEE ALSO

ld(1), nm(1), adb(1), a.out(5)
UNIX Assembler Manual by D. M. Ritchie

DIAGNOSTICS

When an input file cannot be read, its name followed by a question mark is typed and assembly ceases. When syntactic or semantic errors occur, a single-character diagnostic is typed out together with the line number and the file name in which it occurred. Errors in pass 1 cause cancellation of pass 2. The possible errors are:

)	Parentheses error
	Parentheses error
<	String not terminated properly
*	Indirection used illegally
.	Illegal assignment to .
a	Error in address
b	Branch instruction is odd or too remote
e	Error in expression
f	Error in local (f or b) type symbol
g	Garbage (unknown) character
i	End of file inside an <i>.if</i>
m	Multiply-defined symbol as label
o	Word quantity assembled at odd address
p	. different in pass 1 and 2
r	Relocation error
u	Undefined symbol
x	Syntax error

BUGS

Syntax errors can cause incorrect line numbers in following diagnostics.