Preprocessor (1A)

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Preprocessor Commands

- #define
- #undefine
- #include
- #ifdef
- #ifndef
- #else
- #endif
- #line
- #elif

Builtin Macros

- __DATE__
- __TIME__
- __LINE__
- __FILE__

Define Macro

#define UNIT unsigned char

typedef unsigned char UINT;

Conditional File Inclusion

rect.h

#ifndefine RECT_H
#define RECT_H
#endif

#include aaa.h #include bbb.h

aaa.h

#include rect.h

bbb.h

#include rect.h

Swap Macro

objcopy

objcopy t t.new

objcopy -o binary t t.new

objcopy -R note -R .comment t t.new

objcopy -S t t.new

No elf header, only data & instruction

Remove .note & .comment section

Remove symbols & relocation info

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References

- [1] An Introduction to GCC, B. Gough, http://www.network-theory.co.uk/docs/gccintro/
- [2] Unix, Linux Programming Indispensable Utilities, CW Paik