Makefile cheatsheet

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```
uglify = $(uglify)  # lazy assignment
compressor := $(uglify)  # immediate assignment
prefix ?= /usr/local  # safe assignment

= expressions are only evaluated when they're being used.
```

Magic variables

Command prefixes

```
- Ignore errors

Don't print command

+ Run even if Make is in 'don't execute' mode

build:

@echo "compiling"
```

```
-gcc $< $@
-include .depend
```

Find files

```
js_files := $(wildcard test/*.js)
all_files := $(shell find images -name "*")
```

Substitutions

```
file = $(SOURCE:.cpp=.o) # foo.cpp => foo.o
outputs = $(files:src/%.coffee=lib/%.js)

outputs = $(patsubst %.c, %.o, $(wildcard *.c))
assets = $(patsubst images/%, assets/%, $(wildcard images/*))
```

More functions

```
$(strip $(string_var))
$(filter %.less, $(files))
$(filter-out %.less, $(files))
```

Building files

```
%.o: %.c
ffmpeg -i $< > $@ # Input and output
foo $^
```

Includes

```
-include foo.make
```

Options

```
make
  -e, --environment-overrides
  -B, --always-make
  -s, --silent
  -j, --jobs=N # parallel processing
```

Conditionals

Recursive

```
deploy:
$(MAKE) deploy2
```