CHEATSHEET FOR

### Makefile

# Var assignment

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

# Magic variables

```
$(᠗D) # target directory
```

# Command prefixes

Prefix	Description
-	Ignore errors
බ	Don't print command
+	Run even if Make is in 'don't execute' mode

```
build:
```

```
@echo "compiling"
-gcc $< $@</pre>
```

-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 $< > $0  # Input and output
  foo $^
```

#### Includes

-include foo.make

## **Options**

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

### Conditionals

```
foo: $(objects)
ifeq ($(CC),gcc)
        $(CC) -o foo $(objects) $(libs_for_gcc)
else
        $(CC) -o foo $(objects) $(normal_libs)
endif
```

### Recursive

deploy:
 \$(MAKE) deploy2

# Further reading

isaacs's Makefile