# Detect operating system in Makefile.

# Author: He Tao

# Date: 2015-05-30

OSFLAG :=

ifeq ($(OS),Windows\_NT)

OSFLAG += -D WIN32

ifeq ($(PROCESSOR\_ARCHITECTURE),AMD64)

OSFLAG += -D AMD64

endif

ifeq ($(PROCESSOR\_ARCHITECTURE),x86)

OSFLAG += -D IA32

endif

else

UNAME\_S := $(shell uname -s)

ifeq ($(UNAME\_S),Linux)

OSFLAG += -D LINUX

endif

ifeq ($(UNAME\_S),Darwin)

OSFLAG += -D OSX

endif

UNAME\_P := $(shell uname -p)

ifeq ($(UNAME\_P),x86\_64)

OSFLAG += -D AMD64

endif

ifneq ($(filter %86,$(UNAME\_P)),)

OSFLAG += -D IA32

endif

ifneq ($(filter arm%,$(UNAME\_P)),)

OSFLAG += -D ARM

endif

endif

all:

@echo $(OSFLAG)