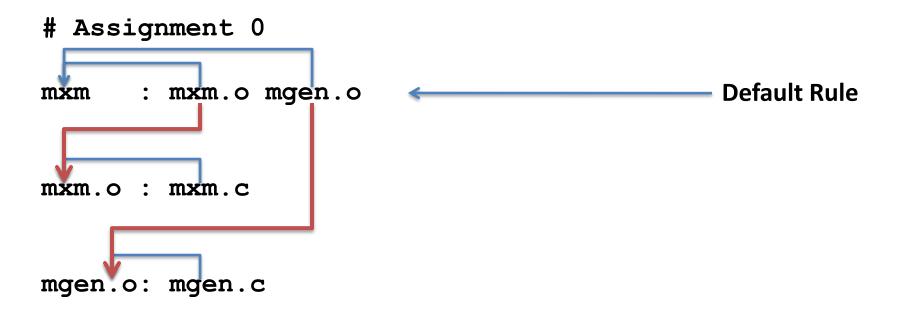
Assignment 0 – make background

```
# Assignment 0
                                                  Makes "a.out"
  icc -03 mxm.c
                                                    Space backslash
                                                    = continue
  icc -03 mxm.c mgen.c
  icc -I${TACC MKL INC} -O3 mxm.c mgen.c
      -W1,-rpath,${TACC MKL LIB} -L${TACC MKL LIB} \
      -Wl,--start-group -lmkl intel lp64 ...--end-group
                                                      Library "stuff"
         Can use two steps: Compile, then link:
icc -03 -c mxm.c mgen.c → icc -03 mxm.o mgen.o -o mxm
               Create ".o"
                                             Create
  compile
                                  link
               files = objects.
                                             executable
               mxm.o, mgen.o
```

-c optionStops at making objects.

-o <name> option
Name executable.

Assignment 0 - makefile, rules



clean :

Dependency Rules:

The target on the left must be newer than the sources on the right. If not, run the shell command line immediately after dependency line. BUT, check to see if each source is a target of another rule. If, so interpret and obey that rule (...but check on other dependencies).

Assignment 0 – makefile, commands

```
# Assignment 0
```

Removes

generated

Files.

rm -rf *.o core mxm



Assignment 0 – makefile, macros

```
clean :
    rm -rf *.o core mxm
```

Assignment 0

```
# Assignment 0
CC
         := icc
LINKER := \$(CC)
CFLAGS := -02 - I \$ (TACC MKL INC)
LDFLAGS
           := -W1,-rpath,${TACC MKL LIB} \
              -L$(TACC MKL LIB) -lmkl -lquide -lpthread
SRCS := mxm.f mgen.f
                                                  Macro
OBJS := $(patsubst %.f, %.o, $(SRCS))
                                                  modifier
mxm: $(OBJS)
        $(LINKER) $(OBJS) $(LDFLAGS) -0 $@
%.o: %.c
                                                  Inference
```

\$(CC) \$(CFLAGS) -c \$< -o \$@