

# \$SPAD/src/etc Makefile

Timothy Daly

July 31, 2014

**Abstract**

## Contents

1	The databases	3
2	summary	3
3	copyright	3
4	asq	4

## 1 The databases

The databases are built in this Makefile even though the prerequisites are actually made during the previous step in the algebra directory. This allows us to use a simple wildcard to express the fact that all of the algebra/\*.nrlib/code.o files are required in order to build the databases. If any of these are changed, the databases must be re-built.

— dbcomplete —

```

${MNT}/${SYS}/algebra/*.daase: ${INT}/algebra/*.nrlib/code.o
@ echo se01 rebuilding databases...
@ cp ${SRC}/doc/gloss.text ${INT}/algebra
@ cp ${SRC}/doc/gloss.text ${INT}/algebra
@ cp ${SRC}/doc/topics.data ${INT}/algebra
@ cp ${SRC}/doc/topics.data ${INT}/algebra
@ (cd ${INT}/algebra ; \
    echo `)lisp (make-databases "" nil)' | ${INTERPSYS} )
@ cp -pr ${INT}/algebra/*.daase ${MNT}/${SYS}/algebra
```

—————

## 2 summary

— summary —

```

${LIB}/summary: ${IN}/summary
@echo se02 making ${LIB}/summary from ${IN}/summary
@cp ${IN}/summary ${LIB}/summary
```

—————

## 3 copyright

— copyright —

```

${LIB}/copyright: ${IN}/copyright
@echo si03 making ${LIB}/copyright from ${IN}/copyright
@cp ${IN}/copyright ${LIB}/copyright
```

—————

## 4 asq

asq is a command line tool to ask questions about Axiom's domains, packages, and categories.

```
asq -property searchkey
property is one of the following flags: (all is the default)
(ab)  abbreviation      (an)  ancestors
(at)  attributes        (ca cc) constructorcategory
(cf fo) constructorform  (ck ki) constructorkind
(cm)  constructormodemap (con) constructor
(cos) cosig             (de)  defaultdomain
(dom) domain            (doc) documentation
(mo)  modemaps          (ni)  niladic
(ob)  object            (op)  operationalist
(pr)  predicates        (so)  sourcefile
searchkey can be either a domain or its abbreviation.
e.g. %s -so Integer
will give the source file name written to stdout
```

— asq —

```
${OUT}/asq: ${MID}/asq.c
@echo se04 making ${OUT}/asq from ${MID}/asq.c
@( cd ${MID} ; ${CC} ${CCF} -o asq asq.c )
@cp ${MID}/asq ${OUT}

${MID}/asq.c: ${IN}/asq.c.pamphlet
@echo se05 making ${OUT}/asq from ${MID}/asq.c
@( cd ${MID} ; \
  ${BOOKS}/tanglec ${IN}/asq.c.pamphlet >asq.c )
```

—————

— \* —

```
IN=${SRC}/etc
MID=${OBJ}/${SYS}/etc
OUT=${MNT}/${SYS}/bin
LIB=${MNT}/${SYS}/lib
DOC=${INT}/doc/src/etc
INTERPSYS=${OBJ}/${SYS}/bin/interpsys

all: announce ${MNT}/${SYS}/algebra/*.daase ${OUT}/asq ${LIB}/summary \
      ${LIB}/copyright
@echo se06 finished ${IN}

announce:
@ echo =====
```

```

@ echo src/etc BUILDING ETC
@ echo =====

\getchunk{dbcomplete}
\getchunk{asq}
\getchunk{summary}
\getchunk{copyright}
document:
@echo se07 documenting ${IN}
@( cd ${DOC} ; \
  cp ${IN}/asq.c.pamphlet . ; \
  ${DOCUMENT} ${NOISE} asq.c ; \
  rm asq.c.pamphlet )

clean:
@echo se08 cleaning ${SRC}/etc
@rm -rf ${MID}
@rm -rf ${DOC}
@rm -f Makefile Makefile.dvi

```

---

## References

- [1] nothing