

\$SPAD/src/lib Makefile

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Abstract

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1 environment

— environment —

```
IN=${SRC}/lib
MID=${INT}/lib
OUT=${OBJ}/${SYS}/lib
DOCINT=${INT}/doc/src/lib
DOCMT=${MNT}/${SYS}/doc/src/lib
INC= ${SRC}/include

AR= ${OUT}/bsdsignal.o  ${OUT}/cursor.o  ${OUT}/edin.o      \
    ${OUT}/fnct-key.o   ${OUT}/hallocc.o  ${OUT}/openpty.o  \
    ${OUT}/pixmap.o     ${OUT}/prt.o      ${OUT}/sockio-c.o  \
    ${OUT}/spadcolors.o  ${OUT}/util.o     ${OUT}/wct.o        \
    ${OUT}/xdither.o     ${OUT}/xshade.o  ${OUT}/xspadfill.o

OTHER= ${OUT}/cfuns-c.o  ${OUT}/hash.o

DOCFILES=\
    ${DOCMT}/bsdsignal.c.pdf  ${DOCMT}/cfuns-c.c.pdf  ${DOCMT}/cursor.c.pdf \
    ${DOCMT}/edin.c.pdf      ${DOCMT}/fnct-key.c.pdf  ${DOCMT}/hallocc.c.pdf \
    ${DOCMT}/hash.c.pdf      ${DOCMT}/openpty.c.pdf   ${DOCMT}/pixmap.c.pdf \
    ${DOCMT}/prt.c.pdf       ${DOCMT}/sockio-c.c.pdf  ${DOCMT}/Makefile.pdf \
    ${DOCMT}/spadcolors.c.pdf ${DOCMT}/util.c.pdf     ${DOCMT}/wct.c.pdf   \
    ${DOCMT}/xdither.c.pdf   ${DOCMT}/xshade.c.pdf    ${DOCMT}/xspadfill.c.pdf
```

—————

2 Files

2.1 bsdsignal.c [1]

— bsdsignal —

```
${MID}/bsdsignal.c: ${IN}/bsdsignal.c.pamphlet
@echo sl01 making ${MID}/bsdsignal.c from ${IN}/bsdsignal.c.pamphlet
@${BOOKS}/tanglec bsdsignal.c.pamphlet >${MID}/bsdsignal.c

${OUT}/bsdsignal.o: ${MID}/bsdsignal.c
@echo sl02 making ${OUT}/bsdsignal.o from ${MID}/bsdsignal.c
@ ( cd ${OUT} ; \
  ${CC} ${CCF} -c -I${INC} ${MID}/bsdsignal.c )

${DOCINT}/bsdsignal.c.pdf: ${IN}/bsdsignal.c.pamphlet
@echo sl03 making ${DOCINT}/bsdsignal.c.pdf \
    from ${IN}/bsdsignal.c.pamphlet
```

```

@ (cd ${DOCINT} ; \
cp ${IN}/bsdsignal.c.pamphlet ${DOCINT} ; \
${EXTRACT} bsdsignal.c.pamphlet ; \
rm -f ${DOCINT}/bsdsignal.c.pamphlet ; \
rm -f ${DOCINT}/bsdsignal.c.tex ; \
rm -f ${DOCINT}/bsdsignal.c )

${DOCMNT}/bsdsignal.c.pdf: ${DOCINT}/bsdsignal.c.pdf
@echo sl12 making ${DOCMNT}/bsdsignal.c.pdf from \
      ${DOCINT}/bsdsignal.c.pdf
@cp ${DOCINT}/bsdsignal.c.pdf ${DOCMNT}/bsdsignal.c.pdf

```

2.2 cfuns-c.c [2]

The cfuns-c file contains socket primitives used by Axiom. They must be linked into and visible from the inferior lisp. In GCL this link happens thru setting a shell variable called **EXTRAS** in the **h/386-linux.defs** file. This file gets included as part of the final system build of GCL.

— cfuns-c —

```

${MID}/cfuns-c.c: ${IN}/cfuns-c.c.pamphlet
@echo sl05 making ${MID}/cfuns-c.c from ${IN}/cfuns-c.c.pamphlet
@${BOOKS}/tanglec cfuns-c.c.pamphlet >${MID}/cfuns-c.c

${OUT}/cfuns-c.o: ${MID}/cfuns-c.c
@echo sl06 making ${OUT}/cfuns-c.o from ${MID}/cfuns-c.c
@ ( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/cfuns-c.c )

${DOCINT}/cfuns-c.c.pdf: ${IN}/cfuns-c.c.pamphlet
@echo sl07 making ${DOCINT}/cfuns-c.c.pdf from ${IN}/cfuns-c.c.pamphlet
@ (cd ${DOCINT} ; \
cp ${IN}/cfuns-c.c.pamphlet ${DOCINT} ; \
${EXTRACT} cfuns-c.c.pamphlet ; \
rm -f ${DOCINT}/cfuns-c.c.pamphlet ; \
rm -f ${DOCINT}/cfuns-c.c.tex ; \
rm -f ${DOCINT}/cfuns-c.c )

${DOCMNT}/cfuns-c.c.pdf: ${DOCINT}/cfuns-c.c.pdf
@echo sl04 making ${DOCMNT}/cfuns-c.c.pdf from \
      ${IN}/cfuns-c.c.pamphlet
@cp ${DOCINT}/cfuns-c.c.pdf ${DOCMNT}/cfuns-c.c.pdf

```

2.3 cursor.c [3]

— cursor —

```

${MID}/cursor.c: ${IN}/cursor.c.pamphlet
@echo sl09 making ${MID}/cursor.c from ${IN}/cursor.c.pamphlet
@${BOOKS}/tanglec cursor.c.pamphlet >${MID}/cursor.c

${OUT}/cursor.o: ${MID}/cursor.c
@echo sl10 making ${OUT}/cursor.o from ${MID}/cursor.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/cursor.c )

${DOCINT}/cursor.c.pdf: ${IN}/cursor.c.pamphlet
@echo sl11 making ${DOCINT}/cursor.c.pdf from ${IN}/cursor.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/cursor.c.pamphlet ${DOCINT} ; \
${EXTRACT} cursor.c.pamphlet ; \
rm -f ${DOCINT}/cursor.c.pamphlet ; \
rm -f ${DOCINT}/cursor.c.tex ; \
rm -f ${DOCINT}/cursor.c )

${DOCINT}/cursor.c.pdf: ${DOCINT}/cursor.c.pdf
@echo sl12 making ${DOCINT}/cursor.c.pdf from ${DOCINT}/cursor.c.pdf
@cp ${DOCINT}/cursor.c.pdf ${DOCINT}/cursor.c.pdf
```

—

2.4 edin.c [4]

— edin —

```

${MID}/edin.c: ${IN}/edin.c.pamphlet
@echo sl13 making ${MID}/edin.c from ${IN}/edin.c.pamphlet
@${BOOKS}/tanglec edin.c.pamphlet >${MID}/edin.c

${OUT}/edin.o: ${MID}/edin.c
@echo sl14 making ${OUT}/edin.o from ${MID}/edin.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/edin.c )

${DOCINT}/edin.c.pdf: ${IN}/edin.c.pamphlet
@echo sl15 making ${DOCINT}/edin.c.pdf from ${IN}/edin.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/edin.c.pamphlet ${DOCINT} ; \
${EXTRACT} edin.c.pamphlet ; \
rm -f ${DOCINT}/edin.c.pamphlet ; \
rm -f ${DOCINT}/edin.c.tex ; \
```

```
rm -f ${DOCINT}/edin.c )

${DOCMNT}/edin.c.pdf: ${DOCINT}/edin.c.pdf
@echo sl16 making ${DOCMNT}/edin.c.pdf from ${DOCINT}/edin.c.pdf
@cp ${DOCINT}/edin.c.pdf ${DOCMNT}/edin.c.pdf
```

2.5 fnct-key.c [5]

— fnctkey —

```
${MID}/fnct-key.c: ${IN}/fnct-key.c.pamphlet
@echo sl17 making ${MID}/fnct-key.c from ${IN}/fnct-key.c.pamphlet
@${BOOKS}/tanglec fnct-key.c.pamphlet >${MID}/fnct-key.c

${OUT}/fnct-key.o: ${MID}/fnct-key.c
@echo sl18 making ${OUT}/fnct-key.o from ${MID}/fnct-key.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/fnct-key.c )

${DOCINT}/fnct-key.c.pdf: ${IN}/fnct-key.c.pamphlet
@echo sl19 making ${DOCINT}/fnct-key.c.pdf from ${IN}/fnct-key.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/fnct-key.c.pamphlet ${DOCINT} ; \
${EXTRACT} fnct-key.c.pamphlet ; \
rm -f ${DOCINT}/fnct-key.c.pamphlet ; \
rm -f ${DOCINT}/fnct-key.c.tex ; \
rm -f ${DOCINT}/fnct-key.c )

${DOCMNT}/fnct-key.c.pdf: ${DOCINT}/fnct-key.c.pdf
@echo sl20 making ${DOCMNT}/fnct-key.c.pdf from ${DOCINT}/fnct-key.c.pdf
@cp ${DOCINT}/fnct-key.c.pdf ${DOCMNT}/fnct-key.c.pdf
```

2.6 halloc.c [6]

— halloc —

```
${MID}/halloc.c: ${IN}/halloc.c.pamphlet
@echo sl21 making ${MID}/halloc.c from ${IN}/halloc.c.pamphlet
@${BOOKS}/tanglec halloc.c.pamphlet >${MID}/halloc.c

${OUT}/halloc.o: ${MID}/halloc.c
@echo sl22 making ${OUT}/halloc.o from ${MID}/halloc.c
```

```

@ ( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/halloc.c )

${DOCINT}/halloc.c.pdf: ${IN}/halloc.c.pamphlet
@echo sl23 making ${DOCINT}/halloc.c.pdf from ${IN}/halloc.c.pamphlet
@ ( cd ${DOCINT} ; \
cp ${IN}/halloc.c.pamphlet ${DOCINT} ; \
${EXTRACT} halloc.c.pamphlet ; \
rm -f ${DOCINT}/halloc.c.pamphlet ; \
rm -f ${DOCINT}/halloc.c.tex ; \
rm -f ${DOCINT}/halloc.c )

${DOCMNT}/halloc.c.pdf: ${DOCINT}/halloc.c.pdf
@echo sl24 making ${DOCMNT}/halloc.c.pdf from ${DOCINT}/halloc.c.pdf
@cp ${DOCINT}/halloc.c.pdf ${DOCMNT}/halloc.c.pdf

```

2.7 hash.c [6]

This is a string-based hash table that is used both in the graph and hyper functions. It is included here because we need it built earlier so the graph and hyper routines can refer to it.

— **hash** —

```

${MID}/hash.c: ${IN}/hash.c.pamphlet
@echo sl25 making ${MID}/hash.c from ${IN}/hash.c.pamphlet
@${BOOKS}/tanglec hash.c.pamphlet >${MID}/hash.c

${OUT}/hash.o: ${MID}/hash.c
@echo sl26 making ${OUT}/hash.o from ${MID}/hash.c
@ ( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/hash.c )

${DOCINT}/hash.c.pdf: ${IN}/hash.c.pamphlet
@echo sl27 making ${DOCINT}/hash.c.pdf from ${IN}/hash.c.pamphlet
@ ( cd ${DOCINT} ; \
cp ${IN}/hash.c.pamphlet ${DOCINT} ; \
${EXTRACT} hash.c.pamphlet ; \
rm -f ${DOCINT}/hash.c.pamphlet ; \
rm -f ${DOCINT}/hash.c.tex ; \
rm -f ${DOCINT}/hash.c )

${DOCMNT}/hash.c.pdf: ${DOCINT}/hash.c.pdf
@echo sl28 making ${DOCMNT}/hash.c.pdf from ${DOCINT}/hash.c.pdf
@cp ${DOCINT}/hash.c.pdf ${DOCMNT}/hash.c.pdf

```

2.8 openpty.c [7]

— openpty —

```
${MID}/openpty.c: ${IN}/openpty.c.pamphlet
@echo sl29 making ${MID}/openpty.c from ${IN}/openpty.c.pamphlet
@${BOOKS}/tanglec openpty.c.pamphlet >${MID}/openpty.c

${OUT}/openpty.o: ${MID}/openpty.c
@echo sl30 making ${OUT}/openpty.o from ${MID}/openpty.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/openpty.c )

${DOCINT}/openpty.c.pdf: ${IN}/openpty.c.pamphlet
@echo sl31 making ${DOCINT}/openpty.c.pdf from ${IN}/openpty.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/openpty.c.pamphlet ${DOCINT} ; \
${EXTRACT} openpty.c.pamphlet ; \
rm -f ${DOCINT}/openpty.c.pamphlet ; \
rm -f ${DOCINT}/openpty.c.tex ; \
rm -f ${DOCINT}/openpty.c )

${DOCMT}/openpty.c.pdf: ${DOCINT}/openpty.c.pdf
@echo sl32 making ${DOCMT}/openpty.c.pdf from ${DOCINT}/openpty.c.pdf
@cp ${DOCINT}/openpty.c.pdf ${DOCMT}/openpty.c.pdf
```

—

2.9 pixmap.c [8]

— pixmap —

```
${MID}/pixmap.c: ${IN}/pixmap.c.pamphlet
@echo sl33 making ${MID}/pixmap.c from ${IN}/pixmap.c.pamphlet
@${BOOKS}/tanglec pixmap.c.pamphlet >${MID}/pixmap.c

${OUT}/pixmap.o: ${MID}/pixmap.c
@echo sl34 making ${OUT}/pixmap.o from ${MID}/pixmap.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/pixmap.c )

${DOCINT}/pixmap.c.pdf: ${IN}/pixmap.c.pamphlet
@echo sl35 making ${DOCINT}/pixmap.c.pdf from ${IN}/pixmap.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/pixmap.c.pamphlet ${DOCINT} ; \
${EXTRACT} pixmap.c.pamphlet ; \
rm -f ${DOCINT}/pixmap.c.pamphlet ; \
rm -f ${DOCINT}/pixmap.c.tex ; \
```



```
rm -f ${DOCINT}/pixmap.c )

${DOCMNT}/pixmap.c.pdf: ${DOCINT}/pixmap.c.pdf
@echo sl36 making ${DOCMNT}/pixmap.c.pdf from ${DOCINT}/pixmap.c.pdf
@cp ${DOCINT}/pixmap.c.pdf ${DOCMNT}/pixmap.c.pdf
```

2.10 prt.c [9]

— prt —

```
${MID}/prt.c: ${IN}/prt.c.pamphlet
@echo sl37 making ${MID}/prt.c from ${IN}/prt.c.pamphlet
@${BOOKS}/tanglec prt.c.pamphlet >${MID}/prt.c

${OUT}/prt.o: ${MID}/prt.c
@echo sl38 making ${OUT}/prt.o from ${MID}/prt.c
@ ( cd ${OUT} ; \
  ${CC} ${CCF} -c -I${INC} ${MID}/prt.c )

${DOCINT}/prt.c.pdf: ${IN}/prt.c.pamphlet
@echo sl39 making ${DOCINT}/prt.c.pdf from ${IN}/prt.c.pamphlet
@ ( cd ${DOCINT} ; \
  cp ${IN}/prt.c.pamphlet ${DOCINT} ; \
  ${EXTRACT} prt.c.pamphlet ; \
  rm -f ${DOCINT}/prt.c.pamphlet ; \
  rm -f ${DOCINT}/prt.c.tex ; \
  rm -f ${DOCINT}/prt.c )

${DOCMNT}/prt.c.pdf: ${DOCINT}/prt.c.pdf
@echo sl40 making ${DOCMNT}/prt.c.pdf from ${DOCINT}/prt.c.pdf
@cp ${DOCINT}/prt.c.pdf ${DOCMNT}/prt.c.pdf
```

2.11 sockio-c.c [10]

The sockio-c file contains socket primitives used by Axiom. They must be linked into and visible from the inferior lisp. In GCL this link happens thru setting a shell variable called **EXTRAS** in the **h/386-linux.defs** file. This file gets included as part of the final system build of GCL.

— sockio-c —

```
${MID}/sockio-c.c: ${IN}/sockio-c.c.pamphlet
@echo sl41 making ${MID}/sockio-c.c from ${IN}/sockio-c.c.pamphlet
```

```

@${BOOKS}/tanglec sockio-c.c.pamphlet >${MID}/sockio-c.c

${OUT}/sockio-c.o: ${MID}/sockio-c.c
@echo sl42 making ${OUT}/sockio-c.o from ${MID}/sockio-c.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/sockio-c.c )

${DOCINT}/sockio-c.c.pdf: ${IN}/sockio-c.c.pamphlet
@echo sl43 making ${DOCINT}/sockio-c.c.pdf from ${IN}/sockio-c.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/sockio-c.c.pamphlet ${DOCINT} ; \
${EXTRACT} sockio-c.c.pamphlet ; \
rm -f ${DOCINT}/sockio-c.c.pamphlet ; \
rm -f ${DOCINT}/sockio-c.c.tex ; \
rm -f ${DOCINT}/sockio-c.c )

${DOCMNT}/sockio-c.c.pdf: ${DOCINT}/sockio-c.c.pdf
@echo sl44 making ${DOCMNT}/sockio-c.c.pdf from ${DOCINT}/sockio-c.c.pdf
@cp ${DOCINT}/sockio-c.c.pdf ${DOCMNT}/sockio-c.c.pdf

```

2.12 spadcolors.c [11]

— spadcolors —

```

${MID}/spadcolors.c: ${IN}/spadcolors.c.pamphlet
@echo sl45 making ${MID}/spadcolors.c from ${IN}/spadcolors.c.pamphlet
@${BOOKS}/tanglec spadcolors.c.pamphlet >${MID}/spadcolors.c

${OUT}/spadcolors.o: ${MID}/spadcolors.c
@echo sl46 making ${OUT}/spadcolors.o from ${MID}/spadcolors.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/spadcolors.c )

${DOCINT}/spadcolors.c.pdf: ${IN}/spadcolors.c.pamphlet
@echo sl47 making ${DOCINT}/spadcolors.c.pdf from \
    ${IN}/spadcolors.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/spadcolors.c.pamphlet ${DOCINT} ; \
${EXTRACT} spadcolors.c.pamphlet ; \
rm -f ${DOCINT}/spadcolors.c.pamphlet ; \
rm -f ${DOCINT}/spadcolors.c.tex ; \
rm -f ${DOCINT}/spadcolors.c )

${DOCMNT}/spadcolors.c.pdf: ${DOCINT}/spadcolors.c.pdf
@echo sl48 making ${DOCMNT}/spadcolors.c.pdf from ${DOCINT}/spadcolors.c.pdf
@cp ${DOCINT}/spadcolors.c.pdf ${DOCMNT}/spadcolors.c.pdf

```

2.13 util.c [12]

— util —

```

${MID}/util.c: ${IN}/util.c.pamphlet
@echo sl49 making ${MID}/util.c from ${IN}/util.c.pamphlet
@${BOOKS}/tanglec util.c.pamphlet >${MID}/util.c

${OUT}/util.o: ${MID}/util.c
@echo sl50 making ${OUT}/util.o from ${MID}/util.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/util.c )

${DOCINT}/util.c.pdf: ${IN}/util.c.pamphlet
@echo sl51 making ${DOCINT}/util.c.pdf from ${IN}/util.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/util.c.pamphlet ${DOCINT} ; \
${EXTRACT} util.c.pamphlet ; \
rm -f ${DOCINT}/util.c.pamphlet ; \
rm -f ${DOCINT}/util.c.tex ; \
rm -f ${DOCINT}/util.c )

${DOCMNT}/util.c.pdf: ${DOCINT}/util.c.pdf
@echo sl52 making ${DOCMNT}/util.c.pdf from ${DOCINT}/util.c.pdf
@cp ${DOCINT}/util.c.pdf ${DOCMNT}/util.c.pdf
```

2.14 wct.c [13]

— wct —

```

${MID}/wct.c: ${IN}/wct.c.pamphlet
@echo sl53 making ${MID}/wct.c from ${IN}/wct.c.pamphlet
@${BOOKS}/tanglec wct.c.pamphlet >${MID}/wct.c

${OUT}/wct.o: ${MID}/wct.c
@echo sl54 making ${OUT}/wct.o from ${MID}/wct.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/wct.c )

${DOCINT}/wct.c.pdf: ${IN}/wct.c.pamphlet
@echo sl55 making ${DOCINT}/wct.c.pdf from ${IN}/wct.c.pamphlet
```

```

@ (cd ${DOCINT} ; \
cp ${IN}/wct.c.pamphlet ${DOCINT} ; \
${EXTRACT} wct.c.pamphlet ; \
rm -f ${DOCINT}/wct.c.pamphlet ; \
rm -f ${DOCINT}/wct.c.tex ; \
rm -f ${DOCINT}/wct.c )

${DOCMNT}/wct.c.pdf: ${DOCINT}/wct.c.pdf
@echo sl56 making ${DOCMNT}/wct.c.pdf from ${DOCINT}/wct.c.pdf
@cp ${DOCINT}/wct.c.pdf ${DOCMNT}/wct.c.pdf

```

2.15 xdither.c [14]

— xdither —

```

${MID}/xdither.c: ${IN}/xdither.c.pamphlet
@echo sl57 making ${MID}/xdither.c from ${IN}/xdither.c.pamphlet
@${BOOKS}/tanglec xdither.c.pamphlet >${MID}/xdither.c

${OUT}/xdither.o: ${MID}/xdither.c
@echo sl58 making ${OUT}/xdither.o from ${MID}/xdither.c
@ ( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/xdither.c )

${DOCINT}/xdither.c.pdf: ${IN}/xdither.c.pamphlet
@echo sl59 making ${DOCINT}/xdither.c.pdf from ${IN}/xdither.c.pamphlet
@ (cd ${DOCINT} ; \
cp ${IN}/xdither.c.pamphlet ${DOCINT} ; \
${EXTRACT} xdither.c.pamphlet ; \
rm -f ${DOCINT}/xdither.c.pamphlet ; \
rm -f ${DOCINT}/xdither.c.tex ; \
rm -f ${DOCINT}/xdither.c )

${DOCMNT}/xdither.c.pdf: ${DOCINT}/xdither.c.pdf
@echo sl60 making ${DOCMNT}/xdither.c.pdf from ${DOCINT}/xdither.c.pdf
@cp ${DOCINT}/xdither.c.pdf ${DOCMNT}/xdither.c.pdf

```

2.16 xshade.c [15]

— xshade —

```

${MID}/xshade.c: ${IN}/xshade.c.pamphlet

```

```

@echo sl61 making ${MID}/xshade.c from ${IN}/xshade.c.pamphlet
@${BOOKS}/tanglec xshade.c.pamphlet >${MID}/xshade.c

${OUT}/xshade.o: ${MID}/xshade.c
@echo sl62 making ${OUT}/xshade.o from ${MID}/xshade.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/xshade.c )

${DOCINT}/xshade.c.pdf: ${IN}/xshade.c.pamphlet
@echo sl63 making ${DOCINT}/xshade.c.pdf from ${IN}/xshade.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/xshade.c.pamphlet ${DOCINT} ; \
${EXTRACT} xshade.c.pamphlet ; \
rm -f ${DOCINT}/xshade.c.pamphlet ; \
rm -f ${DOCINT}/xshade.c.tex ; \
rm -f ${DOCINT}/xshade.c )

${DOCMNT}/xshade.c.pdf: ${DOCINT}/xshade.c.pdf
@echo sl64 making ${DOCMNT}/xshade.c.pdf from ${DOCINT}/xshade.c.pdf
@cp ${DOCINT}/xshade.c.pdf ${DOCMNT}/xshade.c.pdf

```

2.17 xspadfill.c [16]

— xspadfill —

```

${MID}/xspadfill.c: ${IN}/xspadfill.c.pamphlet
@echo sl65 making ${MID}/xspadfill.c from ${IN}/xspadfill.c.pamphlet
@${BOOKS}/tanglec xspadfill.c.pamphlet >${MID}/xspadfill.c

${OUT}/xspadfill.o: ${MID}/xspadfill.c
@echo sl66 making ${OUT}/xspadfill.o from ${MID}/xspadfill.c
@( cd ${OUT} ; \
${CC} ${CCF} -c -I${INC} ${MID}/xspadfill.c )

${DOCINT}/xspadfill.c.pdf: ${IN}/xspadfill.c.pamphlet
@echo sl67 making ${DOCINT}/xspadfill.c.pdf from ${IN}/xspadfill.c.pamphlet
@(cd ${DOCINT} ; \
cp ${IN}/xspadfill.c.pamphlet ${DOCINT} ; \
${EXTRACT} xspadfill.c.pamphlet ; \
rm -f ${DOCINT}/xspadfill.c.pamphlet ; \
rm -f ${DOCINT}/xspadfill.c.tex ; \
rm -f ${DOCINT}/xspadfill.c )

${DOCMNT}/xspadfill.c.pdf: ${DOCINT}/xspadfill.c.pdf
@echo sl68 making ${DOCMNT}/xspadfill.c.pdf from ${DOCINT}/xspadfill.c.pdf
@cp ${DOCINT}/xspadfill.c.pdf ${DOCMNT}/xspadfill.c.pdf

```

3 The document stanza

— document —

```
document: ${DOCFILES}
@echo sl69 documenting ${IN}
```

4 The clean stanza

— clean —

```
clean:
@echo sl70 cleaning ${IN}
@rm -rf ${MID} ${OUT} ${DOCINT} ${DOCMNT}
@rm -f Makefile Makefile.pdf
```

4.1 Makefile documentation

— Makefile.pdf —

```
${DOCMNT}/Makefile.pdf: ${IN}/Makefile.pdf
@echo sl71 making ${DOCMNT}/Makefile.pdf from ${IN}/Makefile.pdf
@cp ${IN}/Makefile.pdf ${DOCMNT}/Makefile.pdf
```

— * —

```
\getchunk{environment}
```

```
all: announce ${OUT}/libspad.a ${OTHER} ${DOCFILES}
@echo sl72 finished making ${IN}
```

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

```

@ echo src/lib BUILDING LIB FILES
@ echo =====

${OUT}/libspad.a: ${AR}
@echo sl73 making ${OUT}/libspad.a
@(cd ${OUT} ; \
ar ru ${OUT}/libspad.a ${AR} ; \
${RANLIB} ${OBJ}/${SYS}/lib/libspad.a )

\getchunk{Makefile.pdf}
\getchunk{bsdsignal}
\getchunk{cfuns-c}
\getchunk{cursor}
\getchunk{edin}
\getchunk{fnctkey}
\getchunk{halloc}
\getchunk{hash}
\getchunk{openpty}
\getchunk{pixmap}
\getchunk{prt}
\getchunk{sockio-c}
\getchunk{spadcolors}
\getchunk{util}
\getchunk{wct}
\getchunk{xdither}
\getchunk{xshade}
\getchunk{xspadfill}
\getchunk{document}
\getchunk{clean}

```

References

- [1] \$SPAD/src/lib/bsdssignal.c.pamphlet
- [2] \$SPAD/src/lib/cfuncs-c.c.pamphlet
- [3] \$SPAD/src/lib/cursor.c.pamphlet
- [4] \$SPAD/src/lib/edin.c.pamphlet
- [5] \$SPAD/src/lib/fnct-key.c.pamphlet
- [6] \$SPAD/src/lib/halloc.c.pamphlet
- [7] \$SPAD/src/lib/openpty.c.pamphlet
- [8] \$SPAD/src/lib/pixmap.c.pamphlet
- [9] \$SPAD/src/lib/prt.c.pamphlet
- [10] \$SPAD/src/lib/sockio-c.c.pamphlet
- [11] \$SPAD/src/lib/spadcolors.c.pamphlet
- [12] \$SPAD/src/lib/util.c.pamphlet
- [13] \$SPAD/src/lib/wct.c.pamphlet
- [14] \$SPAD/src/lib/xdither.c.pamphlet
- [15] \$SPAD/src/lib/xshade.c.pamphlet
- [16] \$SPAD/src/lib/xspadfill.c.pamphlet