

```

1: ::::::::::::::::::::
2: ./mk
3: ::::::::::::::::::::
4:     1  #!/bin/sh
5:     2  # $Id: mk,v 1.3 2021-02-17 18:03:48-08 - - $
6:     3
7:     4  cid -is $0 Makefile *.cpp
8:     5
9:     6  for target in $(ls *.cpp | sed 's/\.\cpp$//')
10:    7  do
11:    8      echo ===== make $target =====
12:    9      make $target
13:   10      make $target.test
14:   11      echo make $target.test status: $?
15:   12  done >mktests.output 2>&1
16:   13
17:   14  catnv $0 Makefile $(which catnv) >mktests.listing1
18:   15  catnv *.cpp mktests.output >mktests.listing2
19:   16  mkipdf Listing.ps mktests.listing?
20: ::::::::::::::::::::
21: Makefile
22: ::::::::::::::::::::
23:     1  # $Id: Makefile,v 1.3 2021-02-17 18:03:48-08 - - $
24:     2
25:     3  %: %.c
26:     4          cid -is $<
27:     5          g++ $< -o $@
28:     6
29:     7  %.test:
30:     8          $*
31:     9
32: ::::::::::::::::::::
33: /afs/cats.ucsc.edu/courses/csel110a-wm/bin/catnv
34: ::::::::::::::::::::
35:     1  #!/bin/sh
36:     2  # $Id: catnv,v 1.1 2019-10-31 13:32:24-07 - - $
37:     3  #
38:     4  # Concatenate multiple short files into a longer file with
39:     5  # headers like more but use cat -nv for line numbers.
40:     6  #
41:     7
42:     8  for file in $*
43:     9  do
44:    10      echo ::::::::::::::::::::
45:    11      echo $file
46:    12      echo ::::::::::::::::::::
47:    13      cat -nv $file
48:    14  done

```

```
1: ::::::::::::::::::::::::::::::
2: aok.cpp
3: ::::::::::::::::::::::::::::::
4:     1  // $Id: aok.cpp,v 1.1 2018-11-06 18:04:21-08 - - $
5:     2  int main() {
6:     3      return 0;
7:     4  }
8: ::::::::::::::::::::::::::::::
9: bad.cpp
10: ::::::::::::::::::::::::::::::
11:     1  // $Id: bad.cpp,v 1.1 2018-11-06 18:04:21-08 - - $
12:     2  int main() {
13:     3      return 63;
14:     4  }
15: ::::::::::::::::::::::::::::::
16: segfault.cpp
17: ::::::::::::::::::::::::::::::
18:     1  // $Id: segfault.cpp,v 1.1 2018-11-06 18:04:21-08 - - $
19:     2  int main() {
20:     3      char* p = nullptr;
21:     4      return *p;
22:     5  }
23: ::::::::::::::::::::::::::::::
24: mktests.output
25: ::::::::::::::::::::::::::::::
26:     1  ===== make aok =====
27:     2  g++      aok.cpp  -o aok
28:     3  aok
29:     4  make aok.test status: 0
30:     5  ===== make bad =====
31:     6  g++      bad.cpp  -o bad
32:     7  bad
33:     8  make: *** [Makefile:8: bad.test] Error 63
34:     9  make bad.test status: 2
35:    10  ===== make segfault =====
36:    11  g++      segfault.cpp  -o segfault
37:    12  segfault
38:    13  make: *** [Makefile:8: segfault.test] Segmentation fault
39:    14  make segfault.test status: 2
```