

```

1: .....
2: ./mk
3: .....
4: 1 #!/bin/sh
5: 2 # $Id: mk,v 1.2 2018-11-06 18:04:21-08 - - $
6: 3
7: 4 cid + $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 mkpspdf Listing.ps mktests.listing?
20: .....
21: Makefile
22: .....
23: 1 # $Id: Makefile,v 1.2 2018-11-06 18:05:32-08 - - $
24: 2
25: 3 %: %.c
26: 4         cid + $<
27: 5         g++ $< -o $@
28: 6
29: 7 %.test:
30: 8         $*
31: 9
32: .....
33: /afs/cats.ucsc.edu/courses/cmsp104a-wm/bin/catnv
34: .....
35: 1 #!/bin/sh
36: 2 # $Id: catnv,v 1.3 2015-05-28 17:45:06-07 - - $
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
```