

lless - interactive log inspection

Use

```
lless <log>
log - log file
```

Command Summary

```
Move      :
  First/Last [ g <    ] / [ G >  ]
  Next/Prev  [ dD<CR> ] / [ uU    ]
  This       [  <SPC> ]
  Jump +/-   [ j<n>    ] / [ k<n>  ]
Session    :
  Help [h H ?]   Quit [q Q x X]

Command    :
  Enter cmd mode [ / ]
  Search -
    tm=<msec> ti=<iso1806>
    rt=<rtid> rm=<mtid>
    i=<record index>
    Next match [n]
    Prev match [N]
  Output -
    out=[pxhdv]
```

Search parameters

```
tm  epoch milliseconds (>=)
ti  iso8601 date/time (>=)
rt  record type ID (==)
rm  record measurement ID (==)
i   record index (zero-based) (==)
```

Output options

```
p  pretty (human readable) [2]
x  formatted hex
h  header [1]
d  measurement data [1]
v  verbose content (record offset, e.g.)

[1] implies pretty
[2] header and data
```

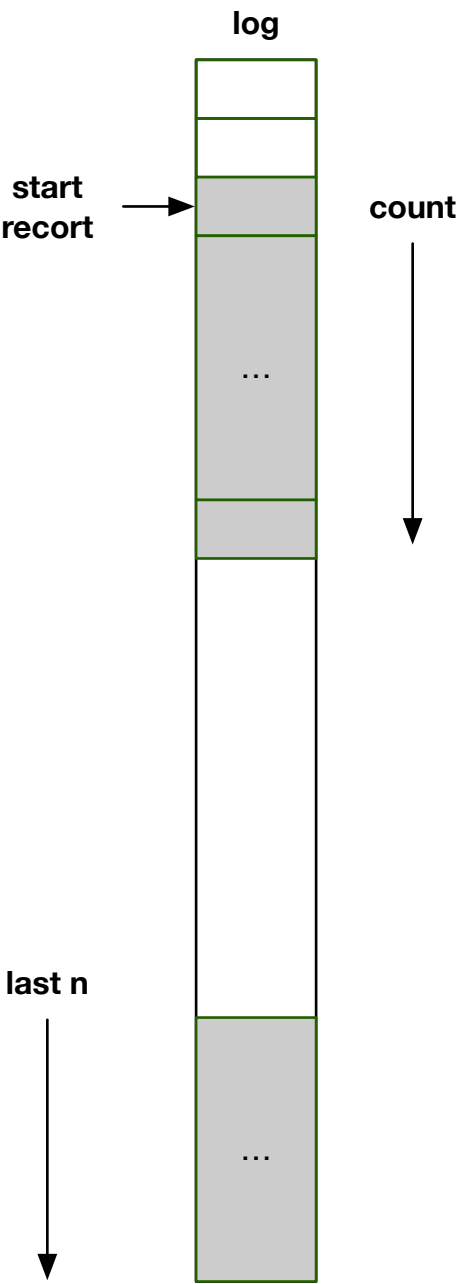
lcat - show selected log records in specified format

Use

```
lcat <log> [s<start> [c<count>]] [l<count>] [out:PXXBCRHDV]
```

- s - start record
start : start record index (zero-based)
- c - number of records
count : number of records
- l - last <count> records
- out - format output
 - P : pretty
 - XX : pretty hex
 - X : hex
 - B : base85
 - C : CSV
 - R : raw
 - H : header
 - D : data
 - V : verbose (show record index/offset)

Default: PDHV, start=0 c=-1 (all)



linfo - show log summary

Use

```
linfo <log>

log - log file
```

Output

```
>> linfo dat2003.000

Log Summary [DAT2003.000]
file len      :          5456
record count   :           12
time first    : 1583420493000/2020-03-05T15:01:33.000Z
time last     : 1583947751000/2020-03-11T17:29:11.000Z
time range start : 1583420493000/2020-03-05T15:01:33.000Z
time range end   : 1583951137000/2020-03-11T18:25:37.000Z
Error Summary   :
error count     :           11
    E_SYNC      :           0
    E_TMZERO    :           0
    E_TMMONO    :           2
    E_CTINVAL   :           0
    E_SEQINVAL  :           9
    E_LENINVAL  :           0
    E_RTID      :           0
    E_RMID      :           0
Record Summary:
    RMID_INVALID :           0
    RMID_NONE    :           9
    RMID_SAMPLE  :           3
    RMID_SCAL    :           0
    RMID_ZCAL    :           0
    RTID_INVALID :           0
    RTID_ZRECV1  :          12
```

lseq - show next sequence number

Use

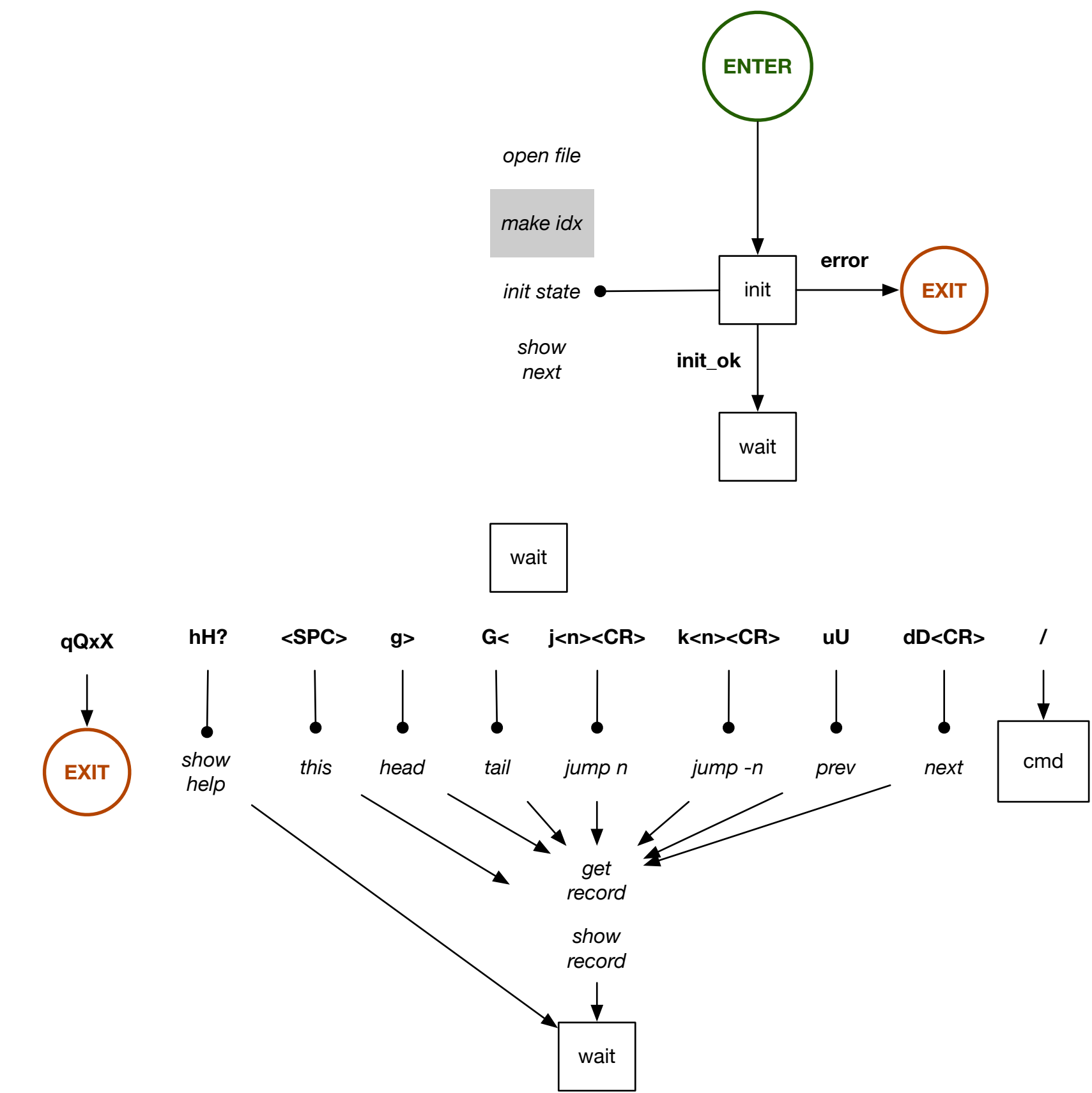
lseq [D]

D - data log

Output

```
>>lseq
17
```

lless state machine



Command Summary

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Next match [n]
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Output -
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