

You can type R commands in your L^AT_EX document and they will be properly run and the output printed in the document.

```
library(knitr)
opts_chunk$set(fig.path='figure/latex-', cache.path='cache/latex-')
```

```
# Create a sequence of numbers
X = 2:10

# Display basic statistical measures
summary(X)
```

##	Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
##	2	4	6	6	8	10

```
t
t
t
t
t
t
```

```
fileConn<-file("data.txt")
writeLines(paste(c(1:10), collapse=", "), fileConn)
close(fileConn)
```

and output

```
fileConn <- file("data.txt")
data <- readLines(fileConn)
message(data)
```

```
## 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
```

```
data: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.
t
```

```
system("mount", intern = TRUE)
```

```
## [1] "none on / type aufs (rw,relatime,si=34223f5145629321,dio,dirperm1)"
## [2] "proc on /proc type proc (rw,nosuid,nodev,noexec,relatime)"
## [3] "tmpfs on /dev type tmpfs (rw,nosuid,mode=755)"
## [4] "devpts on /dev/pts type devpts (rw,nosuid,noexec,relatime,gid=5,mode=620,ptmxmode=0)"
## [5] "sysfs on /sys type sysfs (ro,nosuid,nodev,noexec,relatime)"
## [6] "tmpfs on /sys/fs/cgroup type tmpfs (ro,nosuid,nodev,noexec,relatime,mode=755)"
```

```

## [7] "cgroup on /sys/fs/cgroup/systemd type cgroup (ro,nosuid,nodev,noexec,relatime,xattr)"
## [8] "cgroup on /sys/fs/cgroup/blkio type cgroup (ro,nosuid,nodev,noexec,relatime,blkio)"
## [9] "cgroup on /sys/fs/cgroup/rdma type cgroup (ro,nosuid,nodev,noexec,relatime,rdma)"
## [10] "cgroup on /sys/fs/cgroup/hugetlb type cgroup (ro,nosuid,nodev,noexec,relatime,hugetlb)"
## [11] "cgroup on /sys/fs/cgroup/memory type cgroup (ro,nosuid,nodev,noexec,relatime,memory)"
## [12] "cgroup on /sys/fs/cgroup/cpuset type cgroup (ro,nosuid,nodev,noexec,relatime,cpuset)"
## [13] "cgroup on /sys/fs/cgroup/net_cls,net_prio type cgroup (ro,nosuid,nodev,noexec,relatime,net_cls,net_prio)"
## [14] "cgroup on /sys/fs/cgroup/perf_event type cgroup (ro,nosuid,nodev,noexec,relatime,perf_event)"
## [15] "cgroup on /sys/fs/cgroup/freezer type cgroup (ro,nosuid,nodev,noexec,relatime,freezer)"
## [16] "cgroup on /sys/fs/cgroup/cpu,cpuacct type cgroup (ro,nosuid,nodev,noexec,relatime,cpu,cpuacct)"
## [17] "cgroup on /sys/fs/cgroup/pids type cgroup (ro,nosuid,nodev,noexec,relatime,pids)"
## [18] "cgroup on /sys/fs/cgroup/devices type cgroup (ro,nosuid,nodev,noexec,relatime,devices)"
## [19] "mqueue on /dev/mqueue type mqueue (rw,nosuid,nodev,noexec,relatime)"
## [20] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/lib32 on /lib32 type nfs4 (ro,relatime)"
## [21] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/lib64 on /lib64 type nfs4 (ro,relatime)"
## [22] "tmpfs on /tmp type tmpfs (rw,relatime)"
## [23] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/sbin on /sbin type nfs4 (ro,relatime)"
## [24] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/usr on /usr type nfs4 (ro,relatime)"
## [25] "10.99.185.156:/2018-06-11_1604_p4 on /ext type nfs4 (ro,relatime,vers=4.0,rsize=1048576,wsize=1048576,namlen=255,uid=0,gid=0,dtype=1)"
## [26] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/opt on /opt type nfs4 (ro,relatime)"
## [27] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/bin on /bin type nfs4 (ro,relatime)"
## [28] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/libx32 on /libx32 type nfs4 (ro,relatime)"
## [29] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/var on /var type nfs4 (ro,relatime)"
## [30] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/etc on /etc type nfs4 (ro,relatime)"
## [31] "10.99.185.156:/2018-06-11_1604_p4/linux/Ubuntu-16.04/lib on /lib type nfs4 (ro,relatime)"
## [32] "tmpfs on /secrets/secret-token type tmpfs (ro,relatime)"
## [33] "kucalc-default-project-20e4a191-73ea-4921-80e9-0a5d792fc511 on /home/user type zfs"
## [34] "bindfs on /home/user/.snapshots type fuse.bindfs (rw,nosuid,nodev,relatime,user_id=0,group_id=0)"
## [35] "tmpfs on /secrets/gateway-public type tmpfs (ro,relatime)"
## [36] "/dev/sda1 on /dev/termination-log type ext4 (rw,relatime,data=ordered)"
## [37] "/dev/sda1 on /etc/resolv.conf type ext4 (rw,relatime,data=ordered)"
## [38] "/dev/sda1 on /etc/hostname type ext4 (rw,relatime,data=ordered)"
## [39] "/dev/sda1 on /etc/hosts type ext4 (rw,relatime,data=ordered)"
## [40] "shm on /dev/shm type tmpfs (rw,nosuid,nodev,noexec,relatime,size=65536k)"
## [41] "tmpfs on /run/secrets/kubernetes.io/serviceaccount type tmpfs (ro,relatime)"
## [42] "proc on /proc/bus type proc (ro,nosuid,nodev,noexec,relatime)"
## [43] "proc on /proc/fs type proc (ro,nosuid,nodev,noexec,relatime)"
## [44] "proc on /proc/irq type proc (ro,nosuid,nodev,noexec,relatime)"
## [45] "proc on /proc/sys type proc (ro,nosuid,nodev,noexec,relatime)"
## [46] "proc on /proc/sysrq-trigger type proc (ro,nosuid,nodev,noexec,relatime)"
## [47] "tmpfs on /proc/kcore type tmpfs (rw,nosuid,mode=755)"
## [48] "tmpfs on /proc/timer_list type tmpfs (rw,nosuid,mode=755)"
## [49] "tmpfs on /proc/sched_debug type tmpfs (rw,nosuid,mode=755)"

```

```
system("hostname", intern = TRUE)

## [1] "project-20e4a191-73ea-4921-80e9-0a5d792fc511"
```

```
system("cat /etc/os-release", intern = TRUE)

## [1] "NAME=\"Ubuntu\""
## [2] "VERSION=\"16.04.4 LTS (Xenial Xerus)\""
## [3] "ID=ubuntu"
## [4] "ID_LIKE=debian"
## [5] "PRETTY_NAME=\"Ubuntu 16.04.4 LTS\""
## [6] "VERSION_ID=\"16.04\""
## [7] "HOME_URL=\"http://www.ubuntu.com/\""
## [8] "SUPPORT_URL=\"http://help.ubuntu.com/\""
## [9] "BUG_REPORT_URL=\"http://bugs.launchpad.net/ubuntu/\""
## [10] "VERSION_CODENAME=xenial"
## [11] "UBUNTU_CODENAME=xenial"
```

```
system("ls -la", intern = TRUE)

## [1] "total 1808"
## [2] "drwxrwx---  9 user user   150 Jul  8 09:06 ."
```

Index	Permissions	Size	User	Group	Time	File Name
[3]	drwx-----	135	user	user	Jul 9 12:19	..
[4]	-rw-r-----	1	user	user	Jan 3 2016	..test.ipynb.syncdoc4.sage-history"
[5]	-rw-r--r--	1	user	user	Jun 18 14:09	.2018-01-28-210904.tex.lock"
[6]	-rw-rw----	1	user	user	Apr 11 2015	.data.sagetex.sout.sage-chat"
[7]	-rw-rw----	1	user	user	3843 Apr 11 2015	.data.sagetex.sout.sage-history"
[8]	-rw-rw----	1	user	user	Apr 11 2015	.data.sagews.sage-chat"
[9]	-rw-rw----	1	user	user	104801 Apr 11 2015	.data.sagews.sage-history"
[10]	-rw-r--r--	1	user	user	Apr 1 19:15	.data.tex.lock"
[11]	-rw-rw----	1	user	user	579 Apr 13 2015	.data.tex.sage-chat"
[12]	-rw-rw----	1	user	user	64183 Jun 11 2015	.data.tex.sage-history"
[13]	-rw-r--r--	1	user	user	145 Jun 22 07:58	.default.tex.syncdb"
[14]	-rw-----	1	user	user	0 Sep 19 2017	.empty.tex.lock"
[15]	-rw-----	1	user	user	0 May 24 10:35	.example.tex.lock"
[16]	-rw-rw----	1	user	user	850 Mar 29 12:56	.example.tex.sage-chat"
[17]	-rw-rw----	1	user	user	8029 Apr 13 2015	.example.tex.sage-history"
[18]	-rw-r--r--	1	user	user	149 Jun 18 13:56	.example.tex.syncdb"
[19]	-rw-r--r--	1	user	user	148 Jun 22 07:57	.german.tex.syncdb"
[20]	-rw-rw----	1	user	user	0 Dec 18 2013	.hangul.tex.sage-chat"
[21]	drwxr-x---	2	user	user	3 Jan 3 2016	.ipynb_checkpoints"
[22]	-rw-r-----	1	user	user	0 Mar 11 2016	.latexmk.fl.sage-chat"
[23]	-rw-r-----	1	user	user	4128 Mar 11 2016	.latexmk.fl.sage-history"
[24]	-rw-r--r--	1	user	user	0 Mar 14 14:36	.latexmk.tex.lock"

```

## [25] "-rw-r----- 1 user user      0 Dec  2  2015 .latexmk.tex.sage-chat"
## [26] "-rw-r----- 1 user user    3325 Dec 30  2015 .latexmk.tex.sage-history"
## [27] "-rw----- 1 user user      0 Feb  1 19:33 .long-presentation.tex.lock"
## [28] "-rw-r--r--  1 user user      0 Mar 28 16:55 .small.tex.lock"
## [29] "-rw-r--r--  1 user user      0 Aug 16  2015 .subdir.tex.sage-chat"
## [30] "-rw-r--r--  1 user user    1149 Aug 16  2015 .subdir.tex.sage-history"
## [31] "-rw-r--r--  1 user user     144 Jul  4 14:14 .system.rnw.syncdb"
## [32] "-rw-r----- 1 user user     636 Jan  3  2016 .test.ipynb.syncdoc4"
## [33] "-rw-r--r--  1 user user     142 Jun 30 07:50 .test.rnw.syncdb"
## [34] "-rw-r--r--  1 user user      0 Jun 29 14:29 .test.tex.lock"
## [35] "-rw-r--r--  1 user user     109 Jun 18 14:09 2018-01-28-210904-concordance.tex"
## [36] "-rw-r--r--  1 user user      8 Jun 18 14:09 2018-01-28-210904.aux"
## [37] "-rw-r--r--  1 user user    7687 Jun 18 14:09 2018-01-28-210904.fdb_latexmk"
## [38] "-rw-r--r--  1 user user    7029 Jun 18 14:09 2018-01-28-210904.flx"
## [39] "-rw-r--r--  1 user user   32206 Jun 18 14:09 2018-01-28-210904.log"
## [40] "-rw-r--r--  1 user user   67985 Jun 18 14:09 2018-01-28-210904.pdf"
## [41] "-rw-r--r--  1 user user     571 Jan 28 20:09 2018-01-28-210904.rnw"
## [42] "-rw-r--r--  1 user user    2154 Jun 18 14:09 2018-01-28-210904.synctex.gz"
## [43] "-rw-r--r--  1 user user    2878 Jun 18 14:09 2018-01-28-210904.tex"
## [44] "-rw-rw----  1 user user     200 Apr 11  2015 E2.sobj"
## [45] "drwxr-xr-x  2 user user      8 Jun 19  2017 build"
## [46] "drwxr-xr-x  2 user user     30 Jul  4 14:16 cache"
## [47] "-rw-r----- 1 user user     181 Feb  1 19:15 data.aux"
## [48] "-rw-r----- 1 user user    6549 Feb  1 19:15 data.fdb_latexmk"
## [49] "-rw-r--r--  1 user user    6439 Feb  1 19:15 data.flx"
## [50] "-rw-r----- 1 user user   12449 Feb  1 19:15 data.log"
## [51] "-rw-r----- 1 user user   58943 Feb  1 19:15 data.pdf"
## [52] "-rw-r----- 1 user user    1374 Feb  1 19:15 data.sagetex.sage"
## [53] "-rw-r--r--  1 user user    2187 Feb  1 19:15 data.sagetex.sage.py"
## [54] "-rw-r--r--  1 user user     238 Feb  1 19:15 data.sagetex.scmd"
## [55] "-rw-r--r--  1 user user    1495 Feb  1 19:15 data.sagetex.sout"
## [56] "-rw-rw----  1 user user    5790 Apr 11  2015 data.sagews"
## [57] "-rw-r--r--  1 user user    8855 Feb  1 19:15 data.synctex.gz"
## [58] "-rw-rw----  1 user user    1402 Jan  1  2017 data.tex"
## [59] "-rw-r--r--  1 user user      30 Jul  4 14:16 data.txt"
## [60] "-rw-r--r--  1 user user     662 Jul  1 09:00 default.aux"
## [61] "-rw-r--r--  1 user user    6261 Jul  1 09:00 default.fdb_latexmk"
## [62] "-rw-r--r--  1 user user    5449 Jul  1 09:00 default.flx"
## [63] "-rw-r--r--  1 user user   27372 Jul  1 09:00 default.log"
## [64] "-rw-r--r--  1 user user      0 Jul  1 09:00 default.out"
## [65] "-rw-r--r--  1 user user   63141 Jul  1 09:00 default.pdf"
## [66] "-rw-r--r--  1 user user    1094 Jul  1 09:00 default.synctex.gz"
## [67] "-rw-r--r--  1 user user     661 Jun 22 07:58 default.tex"
## [68] "-rw-----  1 user user      8 Sep 19  2017 empty.aux"
## [69] "-rw-----  1 user user    4481 Sep 19  2017 empty.fdb_latexmk"

```

```

## [70] "-rw----- 1 user user 3243 Sep 19 2017 empty.flx"
## [71] "-rw----- 1 user user 20577 Sep 19 2017 empty.log"
## [72] "-rw----- 1 user user 63238 Sep 19 2017 empty.pdf"
## [73] "-rw----- 1 user user 875 Sep 19 2017 empty.synctex.gz"
## [74] "-rw----- 1 user user 0 Sep 19 2017 empty.tex"
## [75] "-rw-r--r-- 1 user user 528 Jun 27 21:24 example.aux"
## [76] "-rw-r--r-- 1 user user 7228 Jun 27 21:24 example.fdb_latexmk"
## [77] "-rw-r--r-- 1 user user 7012 Jun 27 21:24 example.flx"
## [78] "-rw-r--r-- 1 user user 9566 Jun 27 21:24 example.log"
## [79] "-rw-r----- 1 user user 134933 Jun 27 21:24 example.pdf"
## [80] "-rw-r--r-- 1 user user 5403 Jun 27 21:24 example.sagetex.sage"
## [81] "-rw-r--r-- 1 user user 9890 Jun 27 21:23 example.sagetex.sage.py"
## [82] "-rw-r--r-- 1 user user 241 Jun 27 21:24 example.sagetex.scmd"
## [83] "-rw-r--r-- 1 user user 1499 Jun 27 21:24 example.sagetex.sout"
## [84] "-rw-r--r-- 1 user user 22289 Jun 27 21:24 example.synctex.gz"
## [85] "-rw-rw---- 1 user user 7673 Jun 18 13:52 example.tex"
## [86] "drwxr-xr-x 2 user user 6 Jun 28 15:06 figure"
## [87] "-rw-r--r-- 1 user user 662 Jun 22 07:55 german.aux"
## [88] "-rw-r--r-- 1 user user 4398 Jun 22 07:55 german.fdb_latexmk"
## [89] "-rw-r--r-- 1 user user 4299 Jun 22 07:55 german.flx"
## [90] "-rw-r--r-- 1 user user 26221 Jun 22 07:55 german.log"
## [91] "-rw-r--r-- 1 user user 0 Jun 22 07:55 german.out"
## [92] "-rw-r--r-- 1 user user 26665 Jun 22 07:55 german.pdf"
## [93] "-rw-r--r-- 1 user user 885 Jun 22 07:55 german.synctex.gz"
## [94] "-rw-r--r-- 1 user user 707 Jun 22 07:56 german.tex"
## [95] "-rw-rw---- 1 user user 735 Dec 18 2013 hangul.tex"
## [96] "-rw-r----- 1 user user 1230 Mar 14 14:36 latexmk.aux"
## [97] "-rw-r----- 1 user user 5250 Mar 14 14:36 latexmk.fdb_latexmk"
## [98] "-rw-r--r-- 1 user user 4025 Mar 14 14:36 latexmk.flx"
## [99] "-rw-r----- 1 user user 8068 Mar 14 14:36 latexmk.log"
## [100] "-rw-r----- 1 user user 138479 Mar 14 14:36 latexmk.pdf"
## [101] "-rw-r--r-- 1 user user 111978 Mar 14 14:36 latexmk.synctex.gz"
## [102] "-rw-r----- 1 user user 2588 Mar 14 14:36 latexmk.tex"
## [103] "-rw-r--r-- 1 user user 7339 Feb 1 19:33 long-presentation.aux"
## [104] "-rw-r--r-- 1 user user 24994 Feb 1 19:33 long-presentation.fdb_latexmk"
## [105] "-rw-r--r-- 1 user user 25297 Feb 1 19:33 long-presentation.flx"
## [106] "-rw-r--r-- 1 user user 39970 Feb 1 19:33 long-presentation.log"
## [107] "-rw----- 1 user user 3817 Feb 1 19:33 long-presentation.nav"
## [108] "-rw-r--r-- 1 user user 338 Feb 1 19:33 long-presentation.out"
## [109] "-rw----- 1 user user 166408 Feb 1 19:33 long-presentation.pdf"
## [110] "-rw----- 1 user user 178 Feb 1 19:33 long-presentation.snm"
## [111] "-rw-r--r-- 1 user user 80005 Feb 1 19:33 long-presentation.synctex.gz"
## [112] "-rw----- 1 user user 18891 Jan 28 20:08 long-presentation.tex"
## [113] "-rw-r--r-- 1 user user 386 Feb 1 19:33 long-presentation.toc"
## [114] "drwxr-xr-x 3 user user 18 Mar 21 10:17 multiple-files"

```

```

## [115] "drwxrwx--- 2 user user 18 Apr 11 2015 sage-plots-for-data.tex"
## [116] "drwxr-xr-x 2 user user 18 Jun 27 21:24 sage-plots-for-example.tex"
## [117] "-rw-r--r-- 1 user user 8 Mar 28 16:55 small.aux"
## [118] "-rw-r--r-- 1 user user 4481 Mar 28 16:55 small.fdb_latexmk"
## [119] "-rw-r--r-- 1 user user 3243 Mar 28 16:55 small.fls"
## [120] "-rw-r--r-- 1 user user 20577 Mar 28 16:55 small.log"
## [121] "-rw-r--r-- 1 user user 62836 Mar 28 16:55 small.pdf"
## [122] "-rw-r--r-- 1 user user 868 Mar 28 16:55 small.synctex.gz"
## [123] "-rw-r--r-- 1 user user 510 Mar 28 16:09 small.tex"
## [124] "-rw-r--r-- 1 user user 305 Aug 16 2015 subdir.tex"
## [125] "-rw-r--r-- 1 user user 220 Jul 8 09:06 system-concordance.tex"
## [126] "-rw-r--r-- 1 user user 8 Jul 8 09:06 system.aux"
## [127] "-rw-r--r-- 1 user user 5263 Jul 8 09:06 system.fdb_latexmk"
## [128] "-rw-r--r-- 1 user user 5109 Jul 8 09:06 system.fls"
## [129] "-rw-r--r-- 1 user user 55727 Jul 8 09:06 system.log"
## [130] "-rw-r--r-- 1 user user 64721 Jul 8 09:06 system.pdf"
## [131] "-rw-r--r-- 1 user user 1586 Jul 4 14:16 system.rnw"
## [132] "-rw-r--r-- 1 user user 38570 Jul 8 09:06 system.synctex.gz"
## [133] "-rw-r--r-- 1 user user 36920 Jul 8 09:06 system.tex"
## [134] "-rw-rw---- 1 user user 36 Jul 6 06:44 terminal.term"
## [135] "-rw-r--r-- 1 user user 114 Jul 8 09:06 test-concordance.tex"
## [136] "-rw-r--r-- 1 user user 8 Jul 8 09:06 test.aux"
## [137] "-rw-r--r-- 1 user user 8094 Jul 8 09:06 test.fdb_latexmk"
## [138] "-rw-r--r-- 1 user user 7419 Jul 8 09:06 test.fls"
## [139] "-rw-r----- 1 user user 1190 Jan 3 2016 test.ipynb"
## [140] "-rw-r--r-- 1 user user 33755 Jul 8 09:06 test.log"
## [141] "-rw-r--r-- 1 user user 96947 Jul 8 09:06 test.pdf"
## [142] "-rw-r--r-- 1 user user 907 Jul 1 12:17 test.rnw"
## [143] "-rw-r--r-- 1 user user 4834 Jul 8 09:06 test.synctex.gz"
## [144] "-rw-r--r-- 1 user user 3969 Jul 8 09:06 test.tex"
## [145] "-rw-r----- 1 user user 8 Jul 16 2017 tex.aux"
## [146] "-rw-r----- 1 user user 4702 Jul 16 2017 tex.fdb_latexmk"
## [147] "-rw-r----- 1 user user 4242 Jul 16 2017 tex.fls"
## [148] "-rw-r----- 1 user user 19153 Jul 16 2017 tex.log"
## [149] "-rw-r----- 1 user user 8438 Jul 16 2017 tex.pdf"
## [150] "-rw-r----- 1 user user 991 Jul 16 2017 tex.synctex.gz"
## [151] "-rw-r----- 1 user user 635 Jun 19 2017 tex.tex"

```

```

system("ls -la .cache/clsi/*", intern = TRUE)

## Warning: running command 'ls -la .cache/clsi/*' had status 2

## character(0)
## attr(,"status")
## [1] 2

```

```

system("cat .project-sync-state", intern = TRUE)

## Warning: running command 'cat .project-sync-state' had status 1

## character(0)
## attr(,"status")
## [1] 1

```

```

system("ps aux", intern = TRUE)

## [1] "USER          PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND"
## [2] "user           1  0.0  0.0    212     4 ?        Ss   12:18   0:00 /cocalc/bin/dumb"
## [3] "user           6  0.0  0.0 435708  7176 ?        Ss1  12:18   0:00 /cocalc/bin/supe"
## [4] "user          24  0.0  0.0  67584  5656 ?        S    12:18   0:00 /usr/sbin/sshd -"
## [5] "user          25  0.2  0.1 916568 36872 ?        Sl   12:18   0:00 node /cocalc/sro"
## [6] "user          28  9.1  0.6 1409232 176244 ?       Sl   12:18   0:09 node /cocalc/sro"
## [7] "user          67  0.1  0.1 900932  31600 ?       Sl   12:18   0:00 /usr/bin/node /c"
## [8] "user          73  0.0  0.0  24516   7604 pts/0    Ss   12:18   0:00 bash"
## [9] "user         116  0.0  0.0  18984   2280 pts/0    S+   12:18   0:00 tmux"
## [10] "user         118  0.0  0.0  28456   2768 ?       Ss   12:18   0:00 tmux"
## [11] "user         119  0.1  0.0  24524   7600 pts/1    Ss+  12:18   0:00 -bash"
## [12] "user         198 15.2  1.0 8606996 288952 ?       Ss1  12:18   0:10 python -m sage.1"
## [13] "user         342  0.8  0.6 8042216 185112 ?       S    12:19   0:00 python -c import"
## [14] "user         343 18.8  1.0 8216760 284932 ?       Sl   12:19   0:05 python -c import"
## [15] "user         367 55.4  0.2 329164  60752 ?       S    12:19   0:02 /usr/lib/R/bin/e"
## [16] "user         399  0.0  0.0  38220   3132 ?       R    12:19   0:00 ps aux"

```

```

ok
t t
t
t
t
t t
t ok

```

```

n <- n + 0
Sys.sleep(0)
message(cat(n, "secs later"))

## 0 secs later

##

```

```

t
t
ok

```

t t
t
t
t
t
ok
t t
t
t
t
t
ok
t t
t
t
t
t
ok
t t
t
t
t
ok
t
t
t
t
t

message(1:10)
12345678910

ok
t
t
t
t
t

message(1:10)
12345678910

ok
t
t
t
t
t

```
message(1:10)
```

```
## 12345678910
```

ok
t
t
t
t
t

```
message(1:10)
```

```
## 12345678910
```