

* installing *source* package 'igraph' ...

** package 'igraph' successfully unpacked and MD5 sums checked

** using staged installation

libxml2 include directories: -I/usr/include/libxml2

libxml2 library link flags: -lxml2

** libs

using C compiler: 'gcc (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0'

using C++ compiler: 'g++ (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0'

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c simpleraytracer.cpp -o simpleraytracer.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c rinterface_extra.c -o rinterface_extra.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c rrandom.c -o rrandom.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c rinterface.c -o rinterface.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
```

```
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c cpp11.cpp -o cpp11.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c cppinterface.cpp -o cppinterface.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c lazyeval.c -o lazyeval.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c init.cpp -o init.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dnaupd.f -o vendor/arpack/dnaupd.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dstatn.f -o vendor/arpack/dstatn.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dsaupd.f -o vendor/arpack/dsaupd.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dvout.f -o vendor/arpack/dvout.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dstqrb.f -o vendor/arpack/dstqrb.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dlaqrb.f -o vendor/arpack/dlaqrb.o
```

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsaup2.f -o vendor/arpack/dsaup2.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dmout.f -o vendor/arpack/dmout.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dngets.f -o vendor/arpack/dngets.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dneupd.f -o vendor/arpack/dneupd.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsortc.f -o vendor/arpack/dsortc.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnaup2.f -o vendor/arpack/dnaup2.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dseigt.f -o vendor/arpack/dseigt.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dneigh.f -o vendor/arpack/dneigh.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dseupd.f -o vendor/arpack/dseupd.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsgets.f -o vendor/arpack/dsgets.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnapps.f -o vendor/arpack/dnapps.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsair.f -o vendor/arpack/dsair.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dstats.f -o vendor/arpack/dstats.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnconv.f -o vendor/arpack/dnconv.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/second.f -o vendor/arpack/second.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsesrt.f -o vendor/arpack/dsesrt.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsapps.f -o vendor/arpack/dsapps.o

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dgetv0.f -o vendor/arpack/dgetv0.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnaitr.f -o vendor/arpack/dnaitr.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsortr.f -o vendor/arpack/dsortr.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsconv.f -o vendor/arpack/dsconv.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/wrap.f -o vendor/arpack/wrap.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/ivout.f -o vendor/arpack/ivout.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/version.c -o vendor/cigraph/src/version.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/eigenvector.c -o vendor/cigraph/src/centrality/eigenvector.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/truss.cpp -o vendor/cigraph/src/centrality/truss.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
```

```
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack.cpp -o  
vendor/cigraph/src/centrality/prpack.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/pagerank.c -o  
vendor/cigraph/src/centrality/pagerank.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/closeness.c -o  
vendor/cigraph/src/centrality/closeness.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/hub_authority.c -o  
vendor/cigraph/src/centrality/hub_authority.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/coreness.c -o  
vendor/cigraph/src/centrality/coreness.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
```

```
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/centralization.c -o
vendor/cigraph/src/centrality/centralization.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/betweenness.c -o
vendor/cigraph/src/centrality/betweenness.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/centrality_other.c -o
vendor/cigraph/src/centrality/centrality_other.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_utils.cpp -o
vendor/cigraph/src/centrality/prpack/prpack_utils.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_scc_graph.cpp -o
vendor/cigraph/src/centrality/prpack/prpack_preprocessed_scc_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_ge_graph.cpp -o
vendor/cigraph/src/centrality/prpack/prpack_preprocessed_ge_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_base_graph.cpp -o vendor/cigraph/src/centrality/prpack/prpack_base_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_schur_graph.cpp -o vendor/cigraph/src/centrality/prpack/prpack_preprocessed_schur_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_igraph_graph.cpp -o vendor/cigraph/src/centrality/prpack/prpack_igraph_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_gs_graph.cpp -o vendor/cigraph/src/centrality/prpack/prpack_preprocessed_gs_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_result.cpp -o vendor/cigraph/src/centrality/prpack/prpack_result.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
```

```
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_solver.cpp -o
vendor/cigraph/src/centrality/prpack/prpack_solver.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/glet.c -o vendor/cigraph/src/cliques/glet.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/maximalCliques.c -o
vendor/cigraph/src/cliques/maximalCliques.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer_wrapper.c -o
vendor/cigraph/src/cliques/cliquer_wrapper.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliques.c -o vendor/cigraph/src/cliques/cliques.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
```



```
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer/cliquer.c -o
vendor/cigraph/src/cliques/cliquer/cliquer.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer/reorder.c -o
vendor/cigraph/src/cliques/cliquer/reorder.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer/cliquer_graph.c -o
vendor/cigraph/src/cliques/cliquer/cliquer_graph.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/community/voronoi.c -o
vendor/cigraph/src/community/voronoi.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/community/optimal_modularity.c -o
vendor/cigraph/src/community/optimal_modularity.o
```

In file included from vendor/cigraph/src/community/optimal_modularity.c:32:

vendor/cigraph/src/internal/glpk_support.h:39:10: fatal error: glpk.h: No such file or directory

```
39 | #include <glpk.h>
```

```
|      ~~~~~
```

compilation terminated.

make: *** [/usr/lib/R/etc/Makeconf:191: vendor/cigraph/src/community/optimal_modularity.o] Error 1

ERROR: compilation failed for package 'igraph'

* removing '/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/igraph'

* installing *source* package 'igraph' ...

** package 'igraph' successfully unpacked and MD5 sums checked

** using staged installation

libxml2 include directories: -I/usr/include/libxml2

libxml2 library link flags: -lxml2

** libs

using C compiler: 'gcc (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0'

using C++ compiler: 'g++ (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0'

g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c simplerastracer.cpp -o simplerastracer.o

gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c rinterface_extra.c -o rinterface_extra.o

gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c rrandom.c -o rrandom.o

gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-

```
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c rinterface.c -o rinterface.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c cpp11.cpp -o cpp11.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c cpprinterface.cpp -o cpprinterface.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c lazyeval.c -o lazyeval.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c init.cpp -o init.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dnaupd.f -o vendor/arpack/dnaupd.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dstatn.f -o vendor/arpack/dstatn.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dsaupd.f -o vendor/arpack/dsaupd.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-
protector-strong -c vendor/arpack/dvout.f -o vendor/arpack/dvout.o
```

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dstqrb.f -o vendor/arpack/dstqrb.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dlaqrb.f -o vendor/arpack/dlaqrb.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsaup2.f -o vendor/arpack/dsaup2.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dmout.f -o vendor/arpack/dmout.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dngets.f -o vendor/arpack/dngets.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dneupd.f -o vendor/arpack/dneupd.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsortc.f -o vendor/arpack/dsortc.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnaup2.f -o vendor/arpack/dnaup2.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dseigt.f -o vendor/arpack/dseigt.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dneigh.f -o vendor/arpack/dneigh.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dseupd.f -o vendor/arpack/dseupd.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsgets.f -o vendor/arpack/dsgets.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnapps.f -o vendor/arpack/dnapps.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsair.f -o vendor/arpack/dsair.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dstats.f -o vendor/arpack/dstats.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnconv.f -o vendor/arpack/dnconv.o

gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/second.f -o vendor/arpack/second.o

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsesrt.f -o vendor/arpack/dsesrt.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsapps.f -o vendor/arpack/dsapps.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dgetv0.f -o vendor/arpack/dgetv0.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dnaitr.f -o vendor/arpack/dnaitr.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsortr.f -o vendor/arpack/dsortr.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/dsconv.f -o vendor/arpack/dsconv.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/wrap.f -o vendor/arpack/wrap.o
```

```
gfortran -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -c vendor/arpack/ivout.f -o vendor/arpack/ivout.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/version.c -o vendor/cigraph/src/version.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/eigenvector.c -o vendor/cigraph/src/centrality/eigenvector.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHhT/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/truss.cpp -o vendor/cigraph/src/centrality/truss.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack.cpp -o
vendor/cigraph/src/centrality/prpack.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/pagerank.c -o
vendor/cigraph/src/centrality/pagerank.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/closeness.c -o
vendor/cigraph/src/centrality/closeness.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/hub_authority.c -o
vendor/cigraph/src/centrality/hub_authority.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/coreness.c -o
vendor/cigraph/src/centrality/coreness.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
```

```
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/centralization.c -o
vendor/cigraph/src/centrality/centralization.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/betweenness.c -o
vendor/cigraph/src/centrality/betweenness.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/centrality_other.c -o
vendor/cigraph/src/centrality/centrality_other.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_utils.cpp -o
vendor/cigraph/src/centrality/prpack/prpack_utils.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_scc_graph.cpp -o
vendor/cigraph/src/centrality/prpack/prpack_preprocessed_scc_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
```

```
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_ge_graph.cpp -o  
vendor/cigraph/src/centrality/prpack/prpack_preprocessed_ge_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_base_graph.cpp -o  
vendor/cigraph/src/centrality/prpack/prpack_base_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_schur_graph.cpp  
-o vendor/cigraph/src/centrality/prpack/prpack_preprocessed_schur_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_igraph_graph.cpp -o  
vendor/cigraph/src/centrality/prpack/prpack_igraph_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -  
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_preprocessed_gs_graph.cpp -o  
vendor/cigraph/src/centrality/prpack/prpack_preprocessed_gs_graph.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -  
Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -  
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -  
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-  
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-  
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
```



```
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_result.cpp -o vendor/cigraph/src/centrality/prpack/prpack_result.o
```

```
g++ -std=gnu++17 -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/centrality/prpack/prpack_solver.cpp -o vendor/cigraph/src/centrality/prpack/prpack_solver.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/glet.c -o vendor/cigraph/src/cliques/glet.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/maximalCliques.c -o vendor/cigraph/src/cliques/maximalCliques.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer_wrapper.c -o vendor/cigraph/src/cliques/cliquer_wrapper.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -Ivendor -Ivendor/cigraph/src -Ivendor/cigraph/include -Ivendor/cigraph/vendor -Ivendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliques.c -o vendor/cigraph/src/cliques/cliques.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer/cliquer.c -o
vendor/cigraph/src/cliques/cliquer/cliquer.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer/reorder.c -o
vendor/cigraph/src/cliques/cliquer/reorder.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/cliques/cliquer/cliquer_graph.c -o
vendor/cigraph/src/cliques/cliquer/cliquer_graph.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/community/voronoi.c -o
vendor/cigraph/src/community/voronoi.o
```

```
gcc -I"/usr/share/R/include" -DNDEBUG -DUSING_R -I. -lvendor -lvendor/cigraph/src -
lvendor/cigraph/include -lvendor/cigraph/vendor -lvendor/mini-gmp -I/usr/include/libxml2 -DNDEBUG -
DNTIMER -DNPRINT -DIGRAPH_THREAD_LOCAL= -DPRPACK_IGRAPH_SUPPORT -DHAVE_GFORTRAN=1 -
D_GNU_SOURCE=1 -I'/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-
ff1f535b673c/cpp11/include' -fvisibility=hidden -fpic -g -O2 -ffile-prefix-map=/build/r-base-MHXHt/r-
base-4.3.1=. -fstack-protector-strong -Wformat -Werror=format-security -Wdate-time -
D_FORTIFY_SOURCE=2 -c vendor/cigraph/src/community/optimal_modularity.c -o
vendor/cigraph/src/community/optimal_modularity.o
```

In file included from vendor/cigraph/src/community/optimal_modularity.c:32:

vendor/cigraph/src/internal/glpk_support.h:39:10: fatal error: glpk.h: No such file or directory

```
39 | #include <glpk.h>
```

```
|     ^~~~~~
```

compilation terminated.

make: *** [/usr/lib/R/etc/Makeconf:191: vendor/cigraph/src/community/optimal_modularity.o] Error 1

ERROR: compilation failed for package 'igraph'

* removing '/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/igraph'

ERROR: dependency 'igraph' is not available for package 'networkD3'

* removing '/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c/networkD3'

Installing package into '/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c'

(as 'lib' is unspecified)

trying URL 'https://cloud.r-project.org/src/contrib/igraph_2.0.2.tar.gz'

Content type 'application/x-gzip' length 4965448 bytes (4.7 MB)

=====

downloaded 4.7 MB

Warning in utils::install.packages(package, ...) :

installation of package 'igraph' had non-zero exit status

The downloaded source packages are in

'/tmp/RtmppqDoPl/downloaded_packages'

Warning in p_install(package, character.only = TRUE, ...) :

Warning in library(package, lib.loc = lib.loc, character.only = TRUE, logical.return = TRUE, :

there is no package called 'igraph'

Warning in pacman::p_load(char = x, character.only = T) :

Failed to install/load:

igraph

Installing package into '/local_disk0/.ephemeral_nfs/envs/rEnv-1a9d05b3-cd4c-41b1-a6f3-ff1f535b673c'

(as 'lib' is unspecified)

also installing the dependency 'igraph'

trying URL 'https://cloud.r-project.org/src/contrib/igraph_2.0.2.tar.gz'

Content type 'application/x-gzip' length 4965448 bytes (4.7 MB)

=====

downloaded 4.7 MB

trying URL 'https://cloud.r-project.org/src/contrib/networkD3_0.4.tar.gz'

Content type 'application/x-gzip' length 128302 bytes (125 KB)

=====

downloaded 125 KB

Warning in utils::install.packages(package, ...) :

installation of package 'igraph' had non-zero exit status

Warning in utils::install.packages(package, ...) :

installation of package 'networkD3' had non-zero exit status

The downloaded source packages are in

'/tmp/RtmppqDoPl/downloaded_packages'

Warning in p_install(package, character.only = TRUE, ...) :

Warning in library(package, lib.loc = lib.loc, character.only = TRUE, logical.return = TRUE, :

there is no package called 'networkD3'

Warning in pacman::p_load(char = x, character.only = T) :

Failed to install/load:

networkD3

[[1]]

igraph

FALSE

[[2]]

networkD3

FALSE