

```
! Assign a process to each index, e.g. via
!(serial) Metis
if (iam == 0) then
  call bld_mtpart(. . . . .)
  call getv_mtpart(v)
endif
call psb_bcast(ctxt,v,root=0)
call psb_cdall(ctxt,desc,info,vg=v)
```

Global size:  $m = \text{size}(v)$

The corresponding C style allocation is obtained using

```
psb_i_t psb_c_cdall_vg(psb_l_t ng, psb_i_t *vg,
^~|psb_c_ctxt ctxt,
^~|psb_c_descriptor *desc_a);
```