In the same way, we allocate a sparse matrix object through:

```
info = psb_c_dspall(a, desc_a);

for(int i = 0; i < n; i++){
 if( 'this index belongs to me' ){
  nz = 'number of entries in equation  i'
  ia = 'vector of nz value i'
  ja = 'list of nz neighbours of i'
  val = 'coefficients Aij'
  info = psb_c_dspins(nz,ia,ja,val,a,desc_a);
 }
}
```

The procedures for the other data types are completely analogous.