```
mn resampler< nparts,
                                      dimx, float t >
                                 resid resampler< nparts,
                                      dimx, float t >
rbase< nparts, dimx,
      float t >
                                  stratif resampler<
                                   nparts, dimx, float t >
                                 systematic_resampler
                                 < nparts, dimx, float t >
```