```
...
! build a V-cycle preconditioner with 1
! block-Jacobi sweep (with ILU(0) on the
! blocks) as pre- and post-smoother, and
! 8 block-Jacobi sweeps (with ILU(0)
! on the blocks) as coarsest solver
call P%init('ML',info)
call P%set('SMOOTHER_TYPE','BJAC',info)
call P%set('COARSE_SOLVE','BJAC',info)
call P%set('COARSE_SWEEPS',8,info)
call P%hierarchy_build(A,desc_A,info)
call P%smoothers_build(A,desc_A,info)
...
```