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...  
! build a V-cycle preconditioner with the L1-Jacobi  
! variant of a Chebychev Polynomial of degree 6  
call P%init('ML',info)  
call P%set('ML_CYCLE','VCYCLE',info)  
call P%set('SMOOTHER_TYPE','POLY',info)  
call P%set('POLY_DEGREE',6,info)  
call P%set('POLY_VARIANT','CHEB_4',info)  
call P%set('POLY_RHO_ESTIMATE','POLY_RHO_POWER',info)  
call P%set('POLY_RHO_ESTIMATE_ITERATIONS',20,info)  
call P%set('SUB_SOLVE','L1-JACOBI',info)  
call P%set('COARSE_MAT','DIST',info)  
call P%set('COARSE_SOLVE','L1-JACOBI',info)  
call P%set('COARSE_SWEEPS',30,info)  
call P%hierarchy_build(A,desc_A,info)  
call P%smoothers_build(A,desc_A,info)
```