



...

! 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)
```