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```
#ifndef _MERHES1D_VOL_H
#define _MERHES1D_VOL_H

#include "
href../../../../mod/merhes1d/merhes1d_h_src.pdfmerhes1d/merhes1d.h"
#include "
href../../../../opt/vol/vol_h_src.pdfvol/vol.h"
#include "
href../../../../common/math/jump_h_src.pdfmath/jump.h"
#include "pnl/pnl_mathtools.h"
#include "pnl/pnl_random.h"
#include <stdlib.h>
#include <
href../../../../common/math/cdo/cdo_math_h_src.pdfmath.h>

#include "pnl/pnl_vector.h"
#include "pnl/pnl_matrix.h"
#include "pnl/pnl_fft.h"
#include "
href../../../../common/numfunc_h_src.pdfnumfunc.h"
#include "
href../../../../common/transopt_h_src.pdftransopt.h"
#include "
href../../../../common/math/linsys_h_src.pdfmath/linsys.h"
#include <float.h>

#endif
```