

[Help](#)

```

#if defined(PremiaCurrentVersion) && PremiaCurrentVersion < (2008+2) //The "#els
#else
/*****
/*                                precondition.h                                */
/*****
/*                                */
/* PRECONDiTioners for iterative solvers of systems of linear equations      */
/*                                */
/* Copyright (C) 1992-1995 Tomas Skalicky. All rights reserved.              */
/*                                */
/*****
/*                                */
/*      ANY USE OF THIS CODE CONSTITUTES ACCEPTANCE OF THE TERMS              */
/*      OF THE COPYRIGHT NOTICE (SEE FILE COPYRGHT.H)                        */
/*                                */
/*****

#ifndef PRECOND_H
#define PRECOND_H

#include "lastypes.h"
#include "highdim_vector.h"
#include "qmatrix.h"
#include "copyright.h"

typedef Vector *(*PrecondProcType)(QMatrix *, Vector *, Vector *, double);

/* declaration of preconditioners */

Vector *JacobiPrecond(QMatrix *A, Vector *y, Vector *c, double Omega);
Vector *SSORPrecond(QMatrix *A, Vector *y, Vector *c, double Omega);
Vector *ILUPrecond(QMatrix *A, Vector *y, Vector *c, double Omega);

#endif /* PRECOND_H */

#endif //PremiaCurrentVersion

```