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Help
#ifndef _PAD_H
#define _PAD_H

#include "optype.h"
#include "var.h"
#include "chk.h"
#include "numfunc.h"
#include "option.h"

#define TYPEOPT PAD

/*PathDep Option*/
typedef struct TYPEOPT
{
    VAR                                Maturity;
    VAR    PayOff; /*    The Payoff is phi(stock,
    path_dep) */
    VAR    PathDep; /* The PathDep functional definitio
    n:

    new_path-dep=psi(PathDep->Par,stock,time)

    where:

    starting_date is in PathDep->Par[0],
    final_date is in PathDep->Par[1],
    frequency is in PathDep->Par[2],
    initial_path_dep is in PathDep->Par[3],
    current_path_dep is in PathDep->Par[4]

    !!!!!WARNING!!!!!!
    Wether the pathdep is backard/forward
    should be tested in ChkOpt
    */

    VAR                                MinOrElse; /* cf supra*/
    VAR                                EuOrAm;
    VAR                                PartOrTot; /* Partial or total
    pathdep:

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        a partial pathdep is specified
        by starting_date, final_date*/

VAR          ContOrDisc; /*Continuous or Discret
e:
        a discrete pathdep is specified
                                by frequency (reg
                                ular sampling) */
/* /*{*Cliquet options*{/
* VAR Fg;
* VAR Cg;
* VAR Fl;
*  VAR Cl; */

} TYPEOPT;

/*MinOrElse*/
#define MINIMUM 0
#define MAXIMUM 1
#define AVERAGE 2

int OPT(Get)(int user, Planning *pt_plan, Option *opt,
Model *mod);
int OPT(FGet)(char **InputFile, int user, Planning *pt_plan
, Option *opt, Model *mod);
int OPT(Show)(int user, Planning *pt_plan, Option *opt,
Model *mod);
int OPT(Check)(int user, Planning *pt_plan, Option *opt);

#endif

```

## References