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    Help
#ifndef _LIMDISC_H
#define _LIMDISC_H

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

#define TYPEOPT LIMDISC

/*Limit Option// Single barrier*/

typedef struct TYPEOPT
{
    VAR Maturity;
    VAR Limit; /*The Limit definition:
        * starting_date is in Limit->[0],
        * final_date(always equal to maturity for this fam
        ily, so useless)is in Limit->Par[1],
        * frequency is in Limit->Par[2],
        * the value of the limit is in Limit->Par[3]
        * !!!!!WARNING!!!!!!
        * Wether the limit is backard/forward
        * should be tested in ChkOpt
        */
    VAR PayOff;
    VAR Rebate;
    VAR OutOrIn;
    VAR DownOrUp;
    VAR RebOrNo;
    VAR EuOrAm;
    VAR PartOrTot; /*Partial Or Total limit
        * a partial limit is specified
        * by starting_date, final_date
        */
    VAR ContOrDisc; /*Continuous or Discrete:
        * a discrete limit is specified
        * by frequency (regular sampling)
        */

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VAR ConstLim; /*YES for constant limit*/

} TYPEOPT;

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