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```
#if defined(PremiaCurrentVersion) && PremiaCurrentVersion < (2008+2) //The "#els
#else

#ifndef LEVYFDSWING_H
#define LEVYFDSWING_H

#include <iostream>
#include <fstream>
#include <
href../../common/math/highdim_solver/highdim_vector_h_src.pdfvector>
#include "
href../../common/math/progonka_h_src.pdfprogonka.h"
#include "
href../../common/math/numerics_h_src.pdfnumerics.h"
#include "
href../../common/math/levy_h_src.pdflevy.h"

class GridSwing
{
    double A1;
    double Ar;
    double dx;
    int N;

public :

    GridSwing(const double dA1, const double dAr, const int dN);
    inline double x(double i) const
    {
        return A1 + i * dx;
    }
};

double init_cond_swing(const double x, const double S0,
                      const double K, const int product);

double bound_cond_swing(const double x, const double S0, const double K, const d
                      const double ttm, const double r,
                      const int product, const int product_type);
```

```
int price2_swing(int am, const Levy_measure &measure, int product,
                 int product_type, double r, double divid, double S0,
                 double K, double rebate, double A1, double Ar,
                 int Nspace, double T, int Ntime, int Nu, int Nd, double r_perio

#endif

#endif //PremiaCurrentVersion
```