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```
#ifndef _TRANSOPT_H
#define _TRANSOPT_H

#include "pnl/pnl_finance.h"

int AlgCrayner(int N,double *Z,int ssl,double *A,double *B,
double *C,double*Q,double *S);
int PutMinAn(double s1,double s2,double k,double t,
double r,double divid1,double divid2,
double sigma1,double sigma2,double rho,
double *ptprice,double *ptdelta1,double *ptde
lta2);
int iac_kobol_europut(int ifCall, double lm, double lp,
double alm, double alp, double cm, double cp,
double r, double T, double Strike,
double Spot, double eps, double *Price);
#endif
```

References