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```
#if defined(PremiaCurrentVersion) && PremiaCurrentVersion < (2009+2) //The "#els
#else

#ifndef HULLWHITE2DINCLUDES_H
#define HULLWHITE2DINCLUDES_H

#include<stdlib.h>
#include "hullwhite2d_std.h"
#include "math/read_market_zc/InitialYieldCurve.h"

/// Computation of the three coefficient A(t,T), B(t,T) and C(tT) used in the pr
/// These three coefficients are independants of r and u.
void ZCPrice_Coefficient(ZCMarketData *ZCMarket, double a, double sigma1, double
                        double T, double *A_tT, double *B_tT, double *C_tT);

/// Price of a ZC using the three coefficient A(t,T), B(t,T) and C(tT). H&W is a
double ZCPrice_Using_Coefficient(double r_t, double u_t, double A_tT, double B_t

/// Price at date t of a ZC maturing at T, knowing that r(t)=r_t and u(t)=u_t.
double cf_hw2d_zcb(ZCMarketData *ZCMarket, double a, double sigma1, double b, do

#endif
#endif //PremiaCurrentVersion
```