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```
#include "dynamic.h"
#include "chk.h"
#include "model.h"
#include "premia_obj.h"

/**
 * Initialization of the Dynamic CDO model
 * @param model
 */
static int MOD(Init)(Model *model)
{
    TYPEMOD *pt = (TYPEMOD *) (model->TypeModel);
    if (model->init == 0)
    {
        model->init = 1;
        model->nvar = 0;
        pt->Ncomp.Vname = "Number of Companies";
        pt->Ncomp.Vtype = PINT;
        pt->Ncomp.Val.V_PINT = 125;
        pt->Ncomp.Viter = ALLOW;
        model->nvar++;

        pt->r.Vname = "Interest rate";
        pt->r.Vtype = PDOUBLE;
        pt->r.Val.V_PDOUBLE = 0.04;
        pt->r.Viter = ALLOW;
        model->nvar++;

        pt->Recovery.Vname = "Recovery";
        pt->Recovery.Vtype = PDOUBLE;
        pt->Recovery.Val.V_PDOUBLE = 0.4;
        pt->Recovery.Viter = ALLOW;
        model->nvar++;
    }
    return OK;
}

TYPEMOD Dynamic;
```

```
MAKEMOD(Dynamic);
```