```
model(linear);

//*****************************************************************************
// Definition of Modelbase Variables in Terms of Original Model Variables //*

interest   = i*4;                                                          //*
inflation = (1/4)*(4*pi+4*pi(-1)+4*pi(-2)+4*pi(-3));                       //*
inflationq  = pi*4;                                                        //*
outputgap  = x;                                                            //*
output = y;                                                                //*
fispol = g_;                                                               //*
//*****************************************************************************

//*****************************************************************************
// Policy Rule                                                               //*
                                                                           //*
// Monetary Policy                                                         //*
                                                                           //*
interest =   cofintintb1*interest(-1)                                      //*
           + cofintintb2*interest(-2)                                      //*
             ...
           + cofintoutpf4*output(+4)                                       //*
           + std_r_ *interest_;                                            //*
                                                                           //*
// Discretionary Government Spending                                       //*
                                                                           //*
fispol = coffispol*fiscal_;                                                //*
//*****************************************************************************

// Original Model Code:

pi    =  beta * pi(+1)+ kappa*x+ u;
u=rhou*u(-1)+u_;
x  =  x(+1) - sigma *( i - pi(+1) - rnat) ;
rnat = sigma^(-1)*((g-ynat)- (g(+1)-ynat(+1)));
ynat = sigma^(-1)*g /(sigma^(-1)+omega);
x = y-ynat;
g = rhog*g(-1) + g_;
// i=phipi*pi + phix*x;
end;

shocks;
var fiscal_= 1.524^2;
var u_=0.154^2;
end;

//stoch_simul (irf = 0, ar=100, noprint);
```