

```

1 function [ys,check] = rbc_steadystate(ys,exe);
2 global M_
3
4
5 % beta alpha delta chi gs ggs thetas rhoA rhot rhoG sA st sG
6
7 % need to be in some order you declared parameters in .mod file
8 beta = M_.params(1);
9 alpha = M_.params(2);
10 delta = M_.params(3);
11 chi = M_.params(4);
12 gs = M_.params(5);
13 ggs = M_.params(6);
14 thetas = M_.params(7);
15 rhoA = M_.params(8);
16 rhot = M_.params(9);
17 rhoG = M_.params(10);
18 sA = M_.params(11);
19 st = M_.params(12);
20 sG = M_.params(13);
21
22 kns = (alpha/(1/beta - (1-delta)))^(1/(1-alpha));
23 R = alpha*kns^(alpha-1);
24 W = (1-alpha)*kns^alpha;
25 cns = (1-gs)*kns^alpha - delta*kns;
26 N = ((1/thetas)*(1/cns)*W)^(1/(1+chi));
27 K = kns*N;
28 C = cns*N;
29 I = delta*K;
30 Y = K^alpha*N^(1-alpha);
31 G = Y - I - C;
32 A = 1;
33 theta = thetas;
34
35 check = 0;
36 % y c i w r n g
37 ys =[Y;
38     C;
39     I;
40     N;
41     K;
42     R;
43     W;
44     A;
45     G;
46     theta;
47     log(Y);
48     log(C);
49     log(I);
50     log(W);
51     log(R);
52     log(N);
53     log(G);
54     log(thetas);
55     log(A)];

```