Proof (1) =
$$ln(c_1) + \beta ln(c_2)$$
 c_1, c_2

Subject to: $c_1 + s = w_1 + s(1+i) + w_2 = c_2$

where: $w_2 = 0 + s = w_1 - c_1$
 $constraint : c_2 = (w_1 - c_1)(1+i)$
 co

Utilizing (4) W1(5)

CZ = B(1+1)(W1/B+1)

CZ = B(1+1)(W1) (6)

B+1