$$-C_0 = -$$

$$-C_1 = -H - S - H - H - S - S - H$$

$$-C_2 = -H - S - S - H - H - S - H$$

$$R7: \quad X^2 = H S S H H S H =: C_2$$

R8:
$$XZ = w^2 ZX$$
 $Z = x^2 Z$ $Z = x^2 Z$

Lem 5 By definition,
$$C_1$$
, R_5 , R_6 , R_7 & R_8 , we have $15.(1)$ -5 $-C_0$ = $-C_0$ -5

(2)
$$-S$$
 $-C_1$ $=$ $-C_1$ $-S$ $-Z$ $\cdot w^2$

(3)
$$-S$$
 $-C_2$ $=$ $-C_2$ $-S$ $-Z$ $-Z$

$$X + S + Z - v^2 = C_1 - S + Z - v^2 = 15. (2). RHS$$

$$\frac{R_6}{=} \times S \times Z \times W^2 \times W^$$

$$\stackrel{C_1}{=} - \times - \times - S - Z - Z - \stackrel{R_7}{=} : - C_2 - S - Z - Z -$$