

Vct 5000200 = 28 VTC

1140 = 31.6 VTC

1400 = 32.0 VTC

Vct 31 @ 0845 = 33.6 VTC

3.25

$$G \equiv 3 \pmod{17} \Rightarrow G = 17q_1 + 3$$

$$G \equiv 10 \pmod{16} \Rightarrow G = 16q_2 + 10$$

$$G \equiv 0 \pmod{15} \Rightarrow G = 15q_3$$

$$G \equiv x \pmod{(17)(16)(15)}$$

$$G \equiv x \pmod{4080}$$

Thm 3.28

$$17k + 3 = 16k + 10$$

$$17k - 16k = 7$$

$$k = 7$$

$$G \equiv [3 + 17(7)] \pmod{17}$$

$$G \equiv [10 + 16(7)] \pmod{16}$$

$$G \equiv 122 \pmod{272}$$

Thm 3.28

$$G \equiv 122 \pmod{272}$$

$$G \equiv 0 \pmod{15}$$

$$G \equiv [122 - 272] \pmod{272}$$

$$G \equiv [0 - 15(10)] \pmod{15}$$

$$G \equiv -150 \pmod{272}$$

$$G \equiv -150 \pmod{15}$$

$$G \equiv -150 \pmod{4080}$$

$$G = -150 + 4080$$

$$G = 3930$$

Thm 3.28

$(272, 15) = 1$