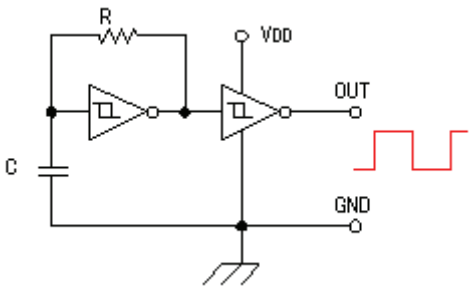
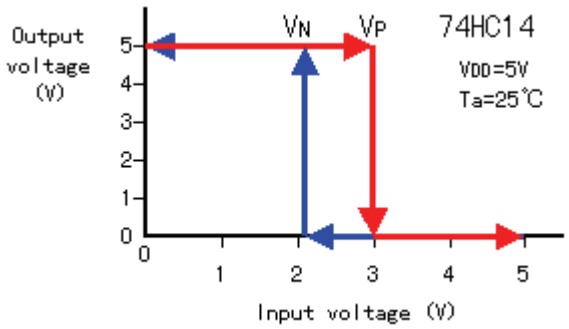
方波 1:





$$f = 1/T = 1/CR$$

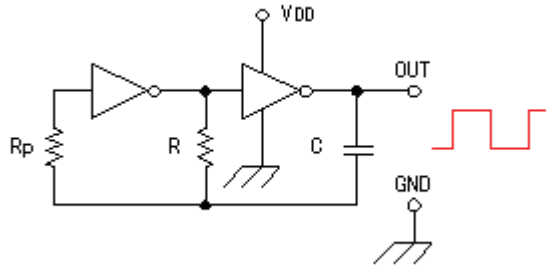
f :The oscillation frequency (Hz)

T: The oscillation period (Second)

C: The capacitor (F)

R: The resistor (ohm)

方波 2:



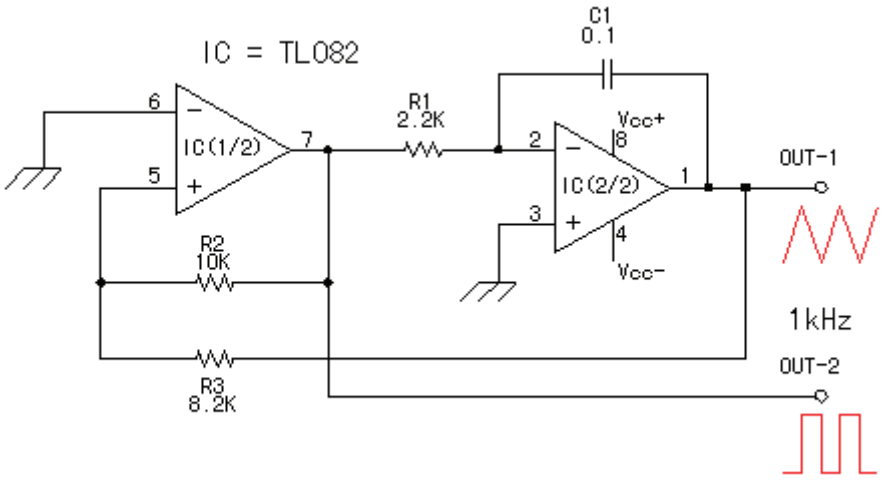
$$f = 1/(2.2CR)$$ (CD4069)

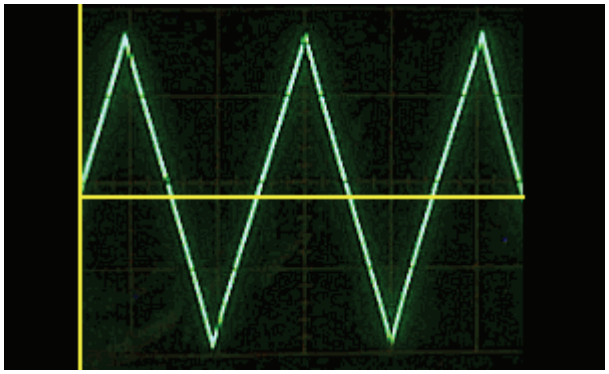
f : The oscillation frequency (Hz)

C : The capacitor (F)

R : The resistor (ohm)

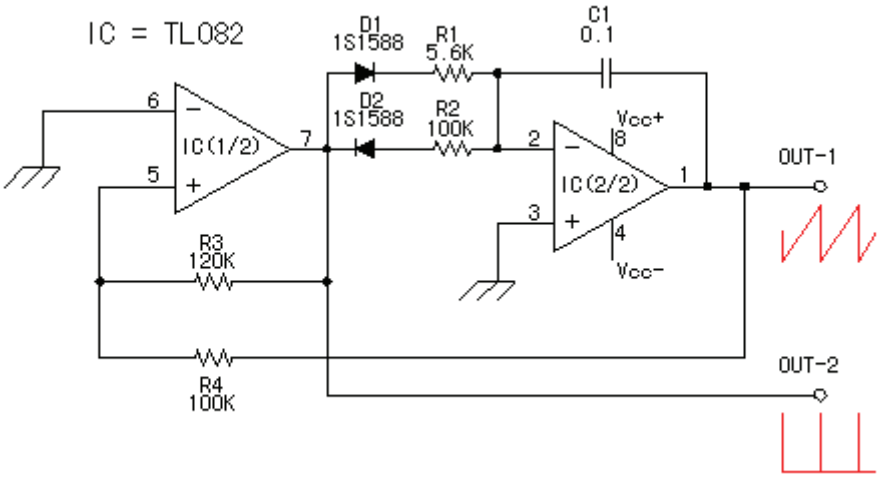
三角波:

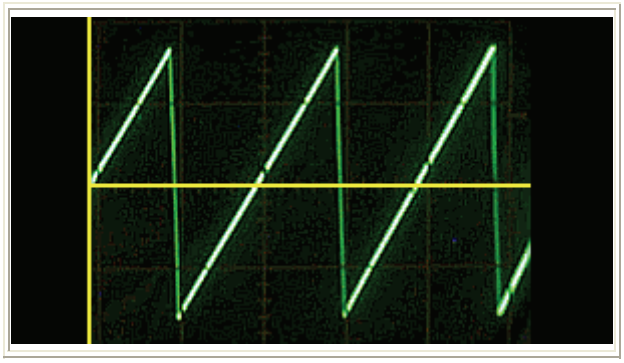




$$f = \frac{1}{4CR_1}\left(\frac{R_2}{R_3}\right)$$

鋸齒波:





$$f = \frac{1}{2C\ (R_1+R_2)}\left(\frac{R_3}{R_4}\right)$$

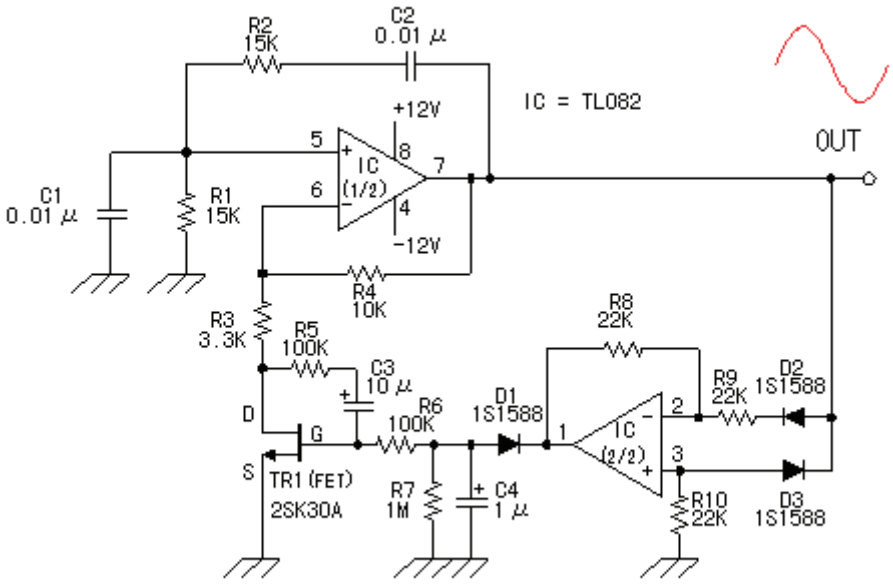
$f = (1/2C(R_1+R_2))x(R_3/R_4)$

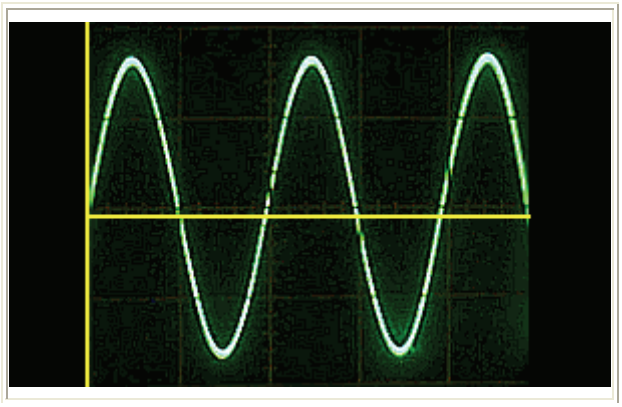
$= (1/(2x0.1x10^{-6}x(5.6x10^3+100x10^3))x(120x10^3/100x10^3)$

$= (1/(21.12x10^{-3}))x1.2$

$= 56.8$ Hz

正弦波：





$$f = \frac{1}{2\pi C \cdot R}$$

The example of the circuit which was made this time is shown below.

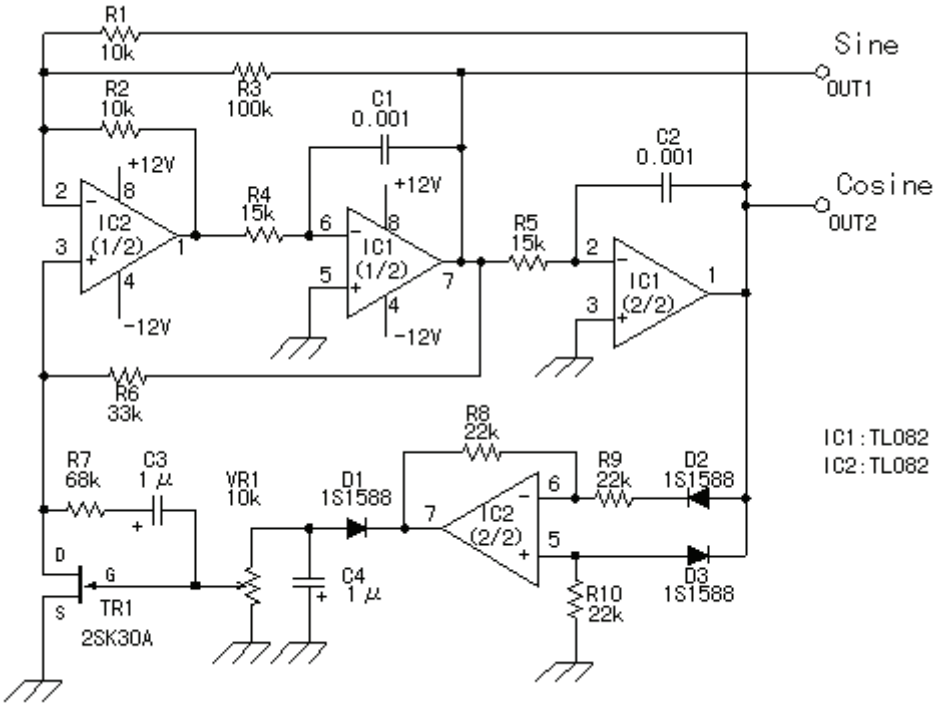
$f = 1/(2 \times 3.14 \times 0.01 \times 10^{-6} \times 15 \times 10^{3})$

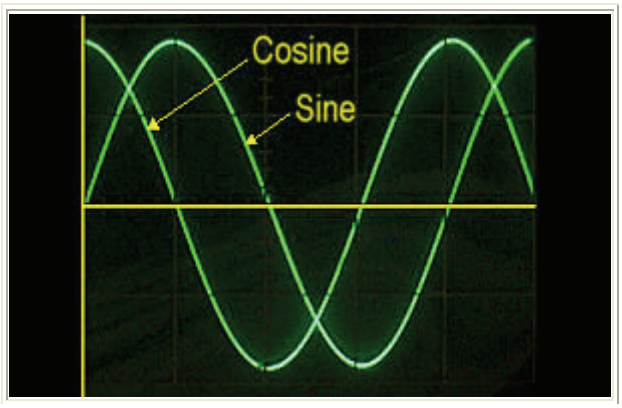
$= 1/(0.942 \times 10^{-3})$

$= 1.062 \times 10^{3}$

= 1,062 Hz

兩相位弦波:





$$f = \frac{1}{2\pi C \cdot R}$$

The example of the circuit which was made this time is shown below.

$f = 1/(2 \times 3.14 \times 0.001 \times 10^{-6} \times 15 \times 10^{3})$

$= 1/(0.0942 \times 10^{-3})$

$= 10.62 \times 10^{3}$

$=$ 10.62 KHz