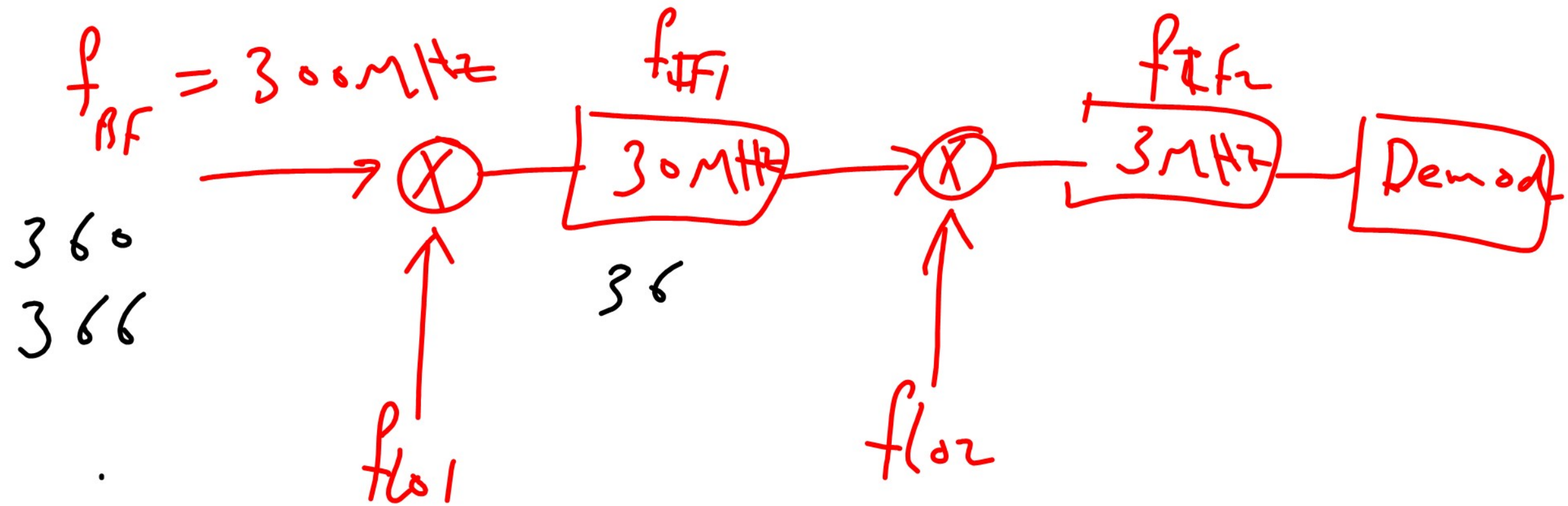




$$f_{LO1} = 300 + 30 = 330$$

$$f_{LO2} = 30 + 3 = 33$$

$$f_{img1} = 300 + 2(30) = 360 \text{ MHz}$$

$$f_{img2} = 30 + 2(3) = 36 \text{ MHz}$$

$$f_{img3} = 330 + 36 = 366 \text{ MHz}$$

$$330 - 36 = 294 \text{ MHz}$$