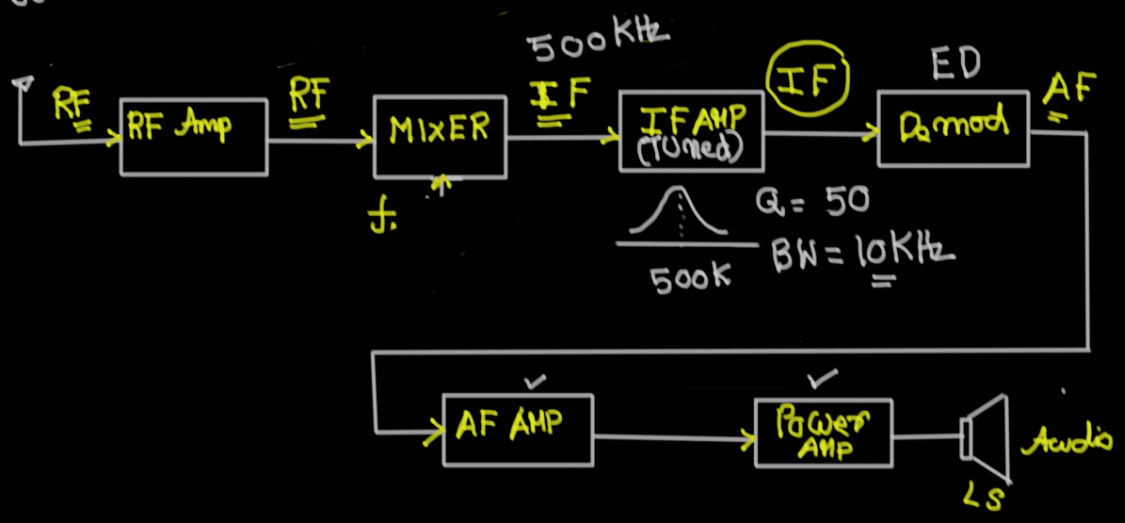
SUPERHETERODYNE RECEIVER

$$10K = \frac{600K}{60}$$

$$IF = f_l - f_s$$

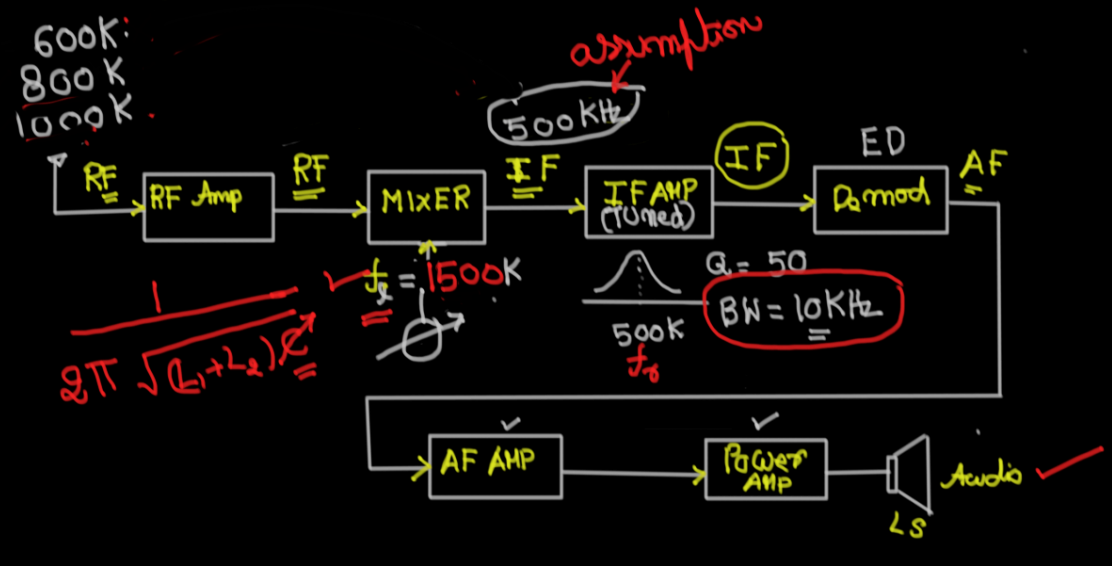
$$= \text{Intermediate freq}$$

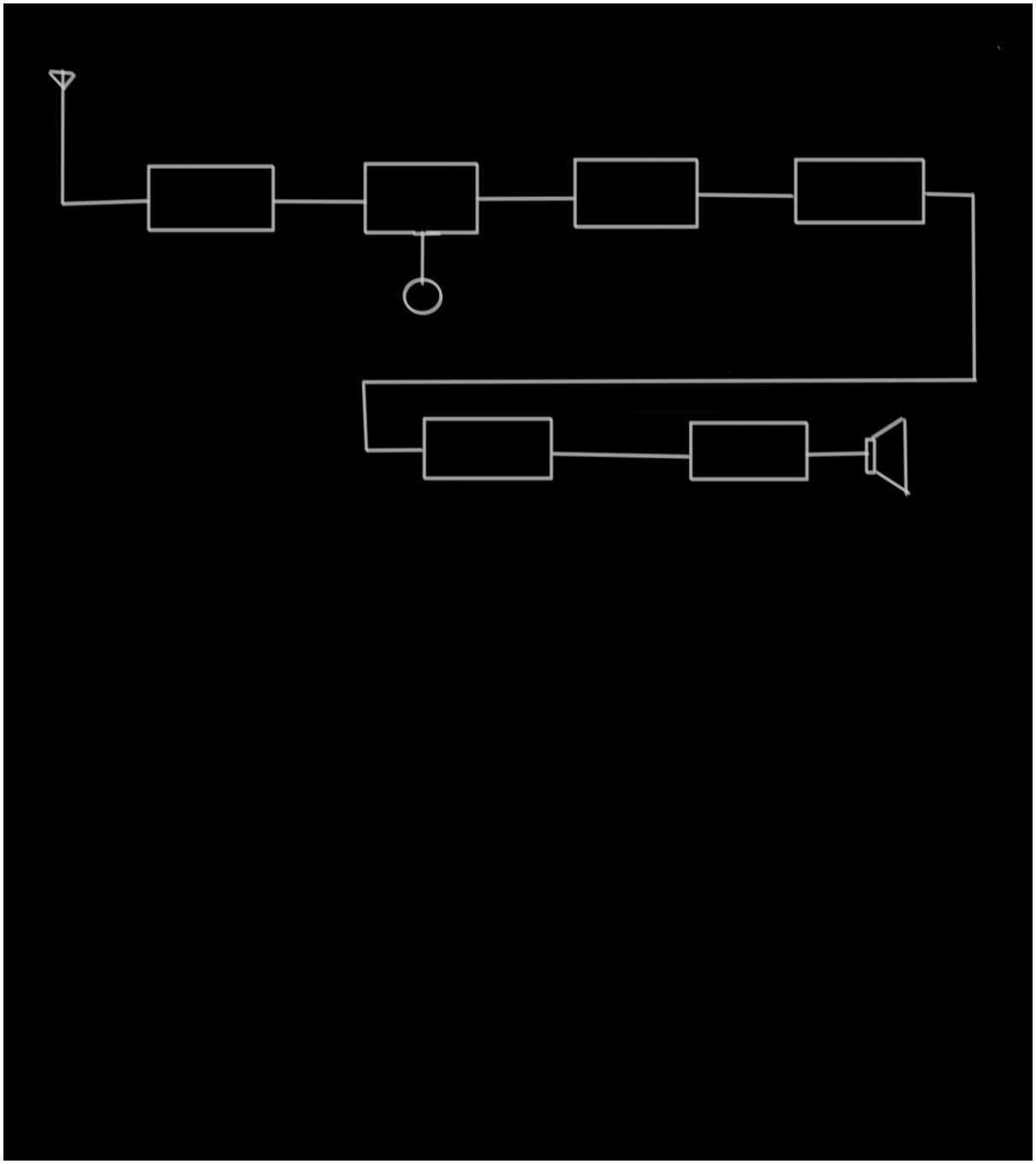
600K f_s = Carrier freq of the tuned radio station.

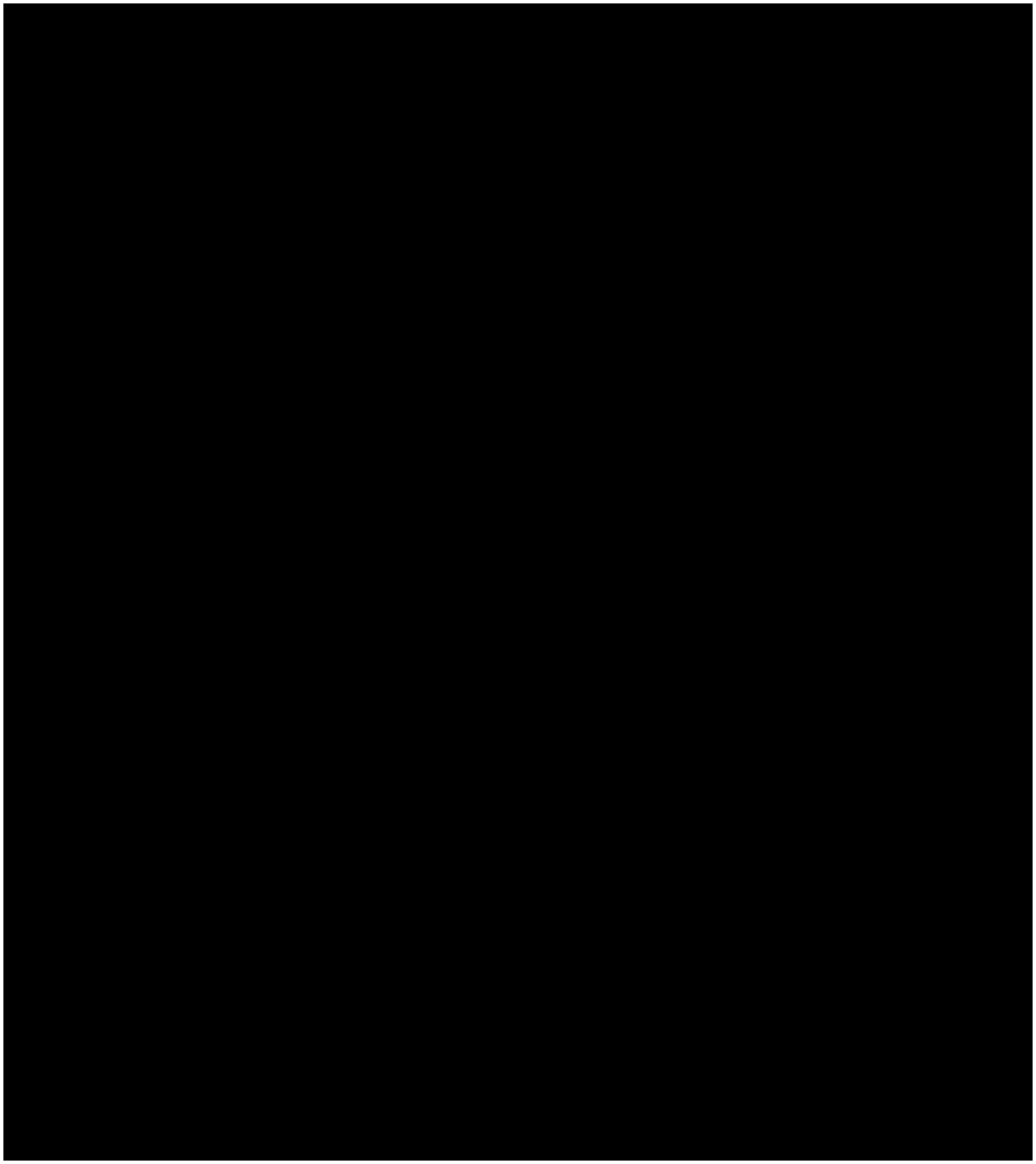


f_s = Carrier freq of the tuned radio station.

600K
800K
1000K







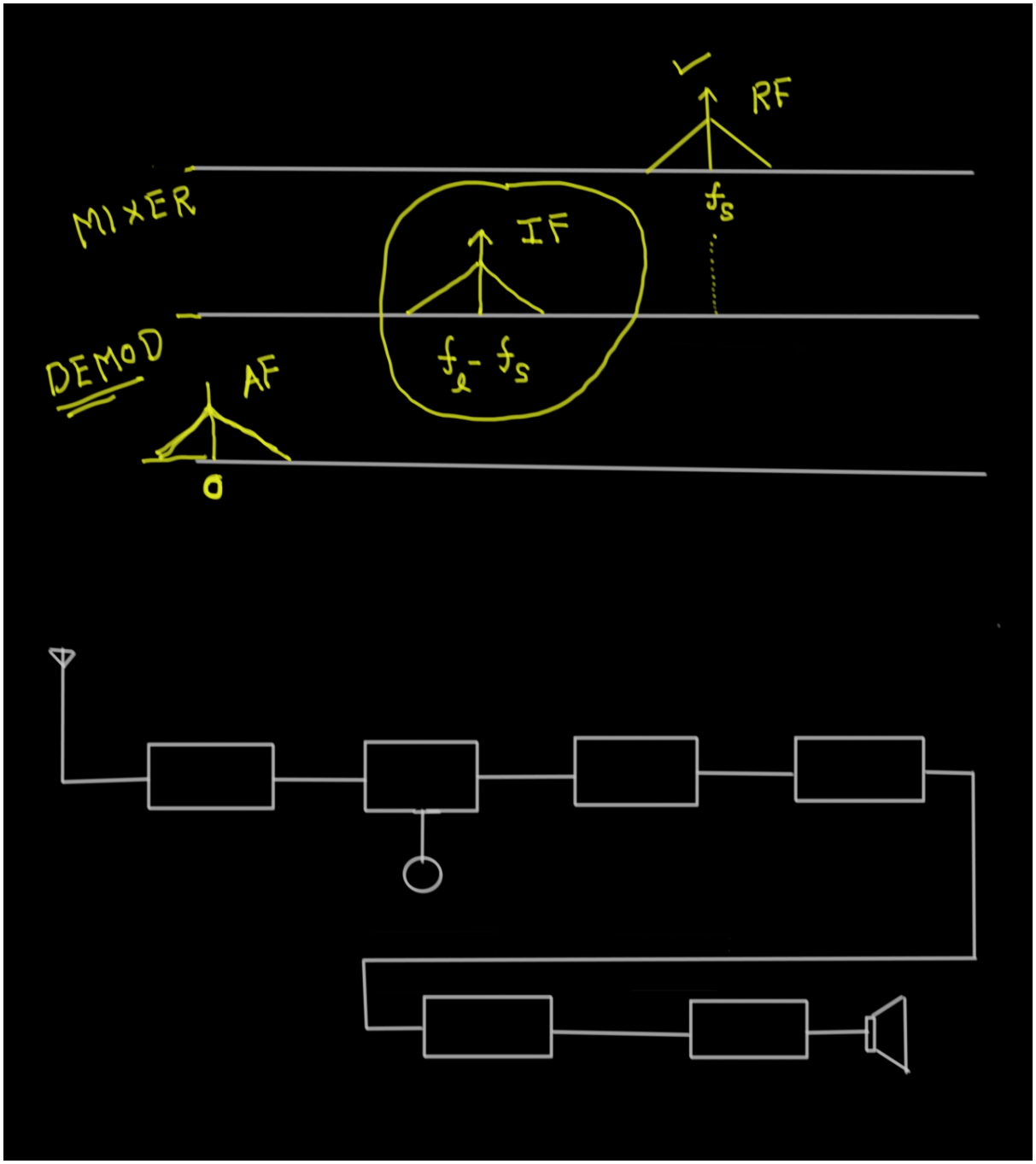
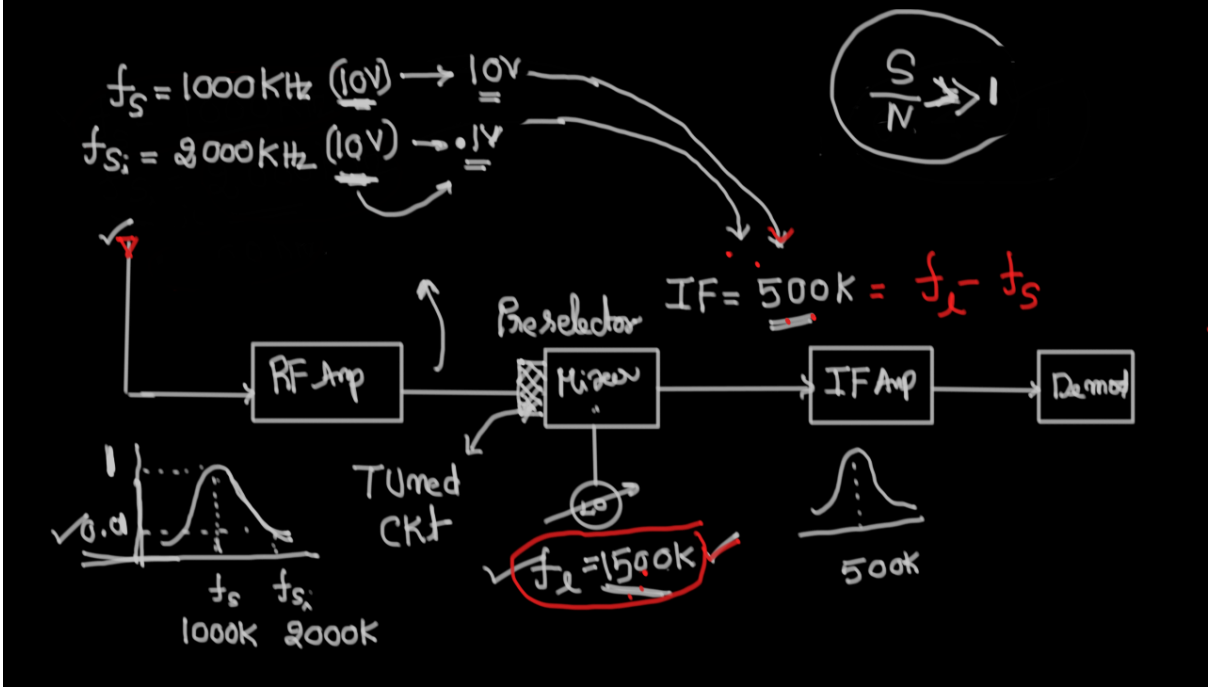
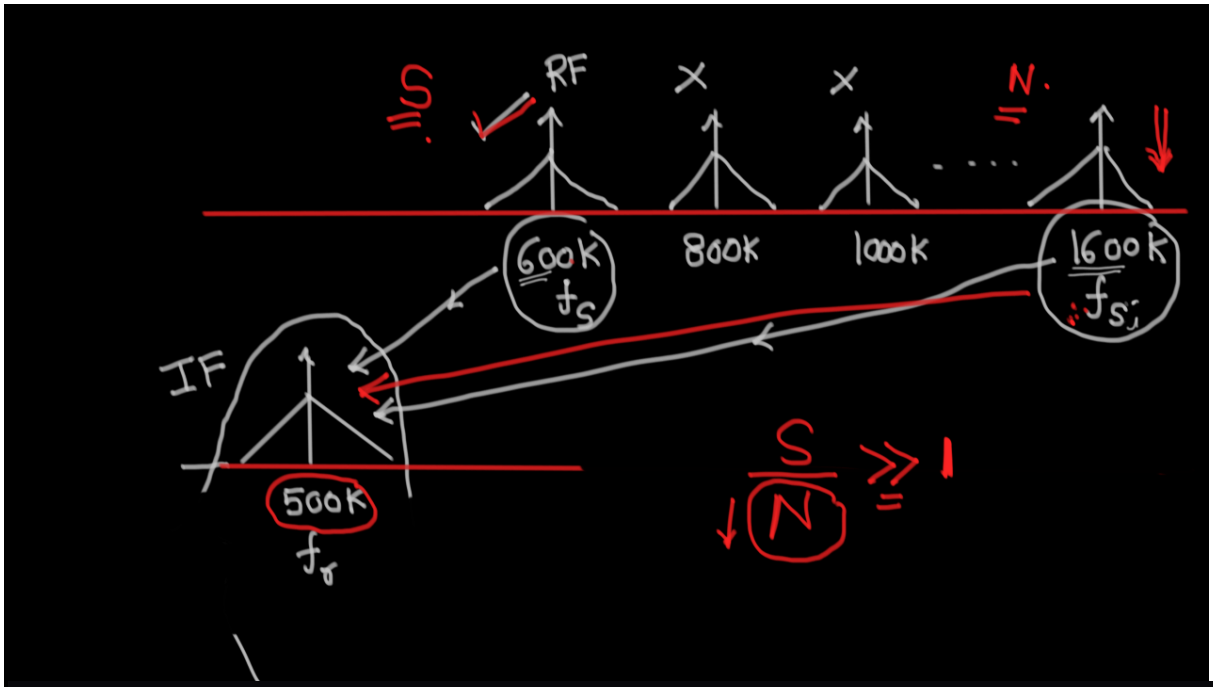

L
RF
MIXER
f_s
IF
DEMOD
AF
$f_L - f_s$
0

IMAGE FREQUENCY AND ITS SUPPRESSION





$$f_{si} = f_s + 2\,IF$$

$$2000K = 1000K + 2 \times 500K$$