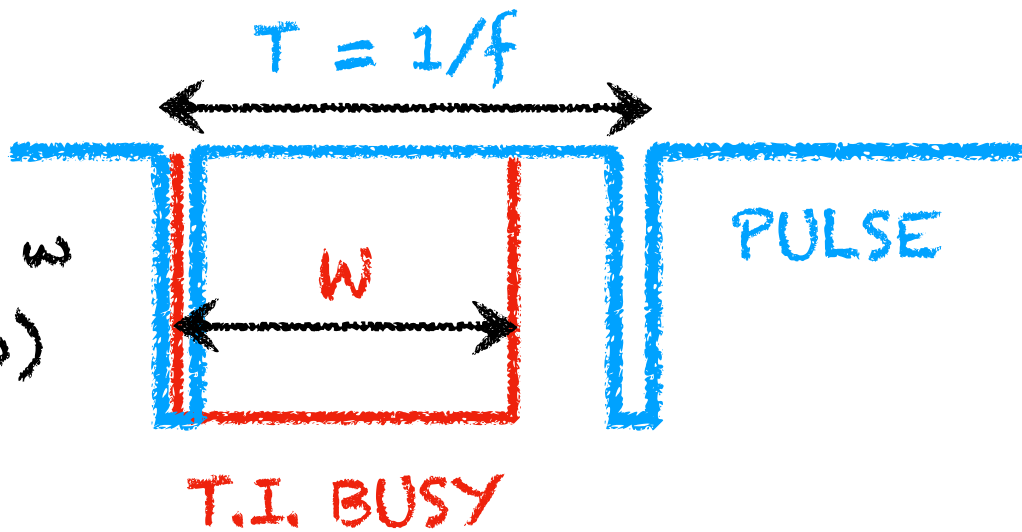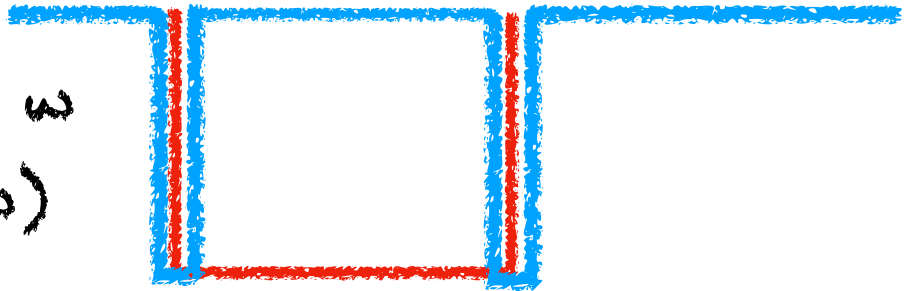Case 1: T > w
(or f < 1/w)

T = 1/f

W

T.I. BUSY

PULSE

Case 2: T = w
(or f = 1/w)

Case 3: T < w
(or f > 1/w)