XpE

P(w)

(3) ×

75 > 2 WM > WO > 2 MM > Nyquist Siequency

Multiply it by a new HLW) that has walne To Soom -wn to Wy and is periodic. Then apply "low pass Silter to KpluHlW to recover x(t) (E)

-2Ts X3 (t)

> 2(4) is just half of a rectongular pulse shifted.
So we know the transform of a rect rule is Xz(m)=(Xp(m)Z(m)) E