

	Date
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a	retion 2:
	Non zero signal $x(t)$ $\frac{LPF}{Y(t)} = y(t)(a > 0)$ $\frac{y(t)}{y(t)} = \frac{HIF}{z(t)} = z(t)(b > 0)$
	Non 30% signal 2 (1) +15 7 (+) (1>0)
5	- y(e) -> e(i) (p)
	(ii) FT of x(t) is O where?
	(i) Relation (1/10) (1) Where?
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10	(i) x(t) LPF y(t) (All frequencies above a are
	(i) $\chi(t) \xrightarrow{LPF} y(t)$ (All frequencies above a are autoff).
	y(t) HPF x(t) (All frequencies below to are cuty)
15	deleted in the LPF, and as we get back n (t), no frequencies were cut off by HPF too. This is because AN LTE SYSTEM CANNOT ADD Frequencies.
<u> </u>	deleted in the LPF, and as we get back n (t), no
	prequencies were aid off by 17 100. This is because
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20	From This we can say.
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	a>b
	= 1 (x/10) w/(w/ L/2/10)
-	(ii) The FI of B is necessarily of in all regions that was are
25	(ii) The FT of B is necessarily 0 in all regions that was are 0. Then regions are all regions with a prequercy > a, as shown above.
	as shown above.
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