2.48. Determine whether each of the following statements concerning LTI systems is true
2.48. Determine whether each of the following statements contaction and nonzero
2.48. Determine whether each of the second of false. Justify your answers.  or false. Justify your answers.  (a) If h(t) is the impulse response of an LTI system and h(t) is periodic and nonzero
the system is unstable.
(b) The inverse of a causal
NO.
117. 10 Date .
(Vecone.
3670
Generate a packet: 56.8 = 89.6 ms
- 56 pg = 89.6 mg
Cransmit a partie
T-tal: 7mg + 89.6 ms + 7ms + 10mg = 24.0896 mg
lotal.
THE RESERVE AND THE RESERVE AN
2000
2 (1) = 2007 = 100
D - 10%
(2) F = 10 ( 1 1 1 1 1 2 1 300 - h
(3) P= Csor (10%) 1 (90%) 3000-h
(4) 72 Jos (10%) n (90%) Javan
(A) /2 / (300 (10/5) (10/5)
n=101
= /- 200 (10%) n (90%) 500 m
$l = \frac{1}{4 + 1} \frac{1}{2} \frac{1}$
700-90k
20t - 24. Jane NUMS
1/ propagation detay: 7.5×108
Px /dus - 10 M. Bases - 800000 bits
8x ddn 7 - 10 M. 7 - 0000000000000000000000000000000000
During
(2) 800 600 bits
-11 miles of bits in the link
13) The maximum number of bits in the link.
(4) The width of a bit = length of link
/ Rxddron
= 200000 = 25 m
700000 - 25 M
$0 \dots 1 $
Shorter than a featball tield.
(5) or 5/2
亚托维制品

Chapter 2 Linear Time-Invariant Systems

19-) Math store & formal miles (2) Ist padent to 1st switch = 2000 = 12/m; let padet to 2nd smitch = 2st padeet in his (3) Total: 2000 \$2 = 2002 my - 2.0025 Detter than unsegnented (4) Packets need to be distributed at the source in re-combined at the destination. More headers are add to the message. Maximum data nate: 6k × 20 = 120kbys >56kb i. possible Transmission delay = 1x/b Propagation delay: Ed Total delay = st N/b+ td To 1st switch = xfb. - 1st snitch to dostination = man (f-1)p/b Total delay of packet-switch network

- 1/b+ (+1) P/b + +d When (k-1)p/b < s, packot-switch network