	3) Associativity (Serial amedienation)
Ī	
	Question for the teams
	pt' 1: by integration
	pf 1: by integration pf 2: by system construction.
	in a similar way of proving distributivity.
- /	
*	The essence of an LTI system:
	its impulse response h(t) or h[n]
	,
*	We have learned
	Given a system - > decide its
	Given a system — decide its classification
	We will now learn

	1055 An	LTI	sys	j	Memoryli	ess. (the ?	re sent
					,			
		^						
	lassin	latio	n#2	-: (,	ausalit vesent	y (de	gendin	y on
+	he	past	& to	he l	resent			
					causal	^		

Causal
The output depends only on
c - the output depends only on
_ 10
(=) The input S(t) affects only
h(t) $\neq 0$ only for $t \geq 0$ h(t) should not anticipate the $\delta(t)$
1 (cc) (o orny ioi)
h(t) should not anticipate the SCE)
Classification #3: Invertibility
Classification #3: Invertibility (whether there exists on inverse system.
COUNTRY WITH CERTS ON THEFT BYSICHT.

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