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,	Now we assume the motion is small is that lux 1 is small => VI+4,2 × 1 (by Taylor's Eng.)
Proving and provin	[ux 1 1s smay = VITUx ~ 1 (5g mylor 1 cog.)
	Then Eq. (1) says that T is constant along
	Then Eq. (1) says that T is constant along the string = T is independent of x.
£ 1	
	Assume T is also independent of t (assumption)
	Then Eq.(2) says:
v	(Tux)x = Putt
•	
	(= WAVE SPEED)
9 1	
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