pumping 1emma > Pumping lemma ic generally used for proving a given grammare is not requiare længuage is regulate on not regulare.

>FA -> R.L Language

1= = {an | n > 0}

P.L pattern. 1 = \(\frac{\partienn.}{a}, \alpha', \alpha')

not find "pattern (find pattern)

(Not regular) (R.L.-may enmay not)

P. Lic negativity test.

 $L = \{a^{m} \mid m \text{ is even}\}$ m = 0, 2, 4,

I' given Language aire RL (because It has spattern Like Arrithmetic

Progression) [Ex-2] L = { a P | Pisprime } P = 3, 5, 7, 11, 17, ...

L= \(\alpha^3, \alpha^5, \alpha^4, \alpha^1, \alpha^2, \delta^2, so given language are not R.I. (because It has not contain any follow are any pattern on A.P)

	Date
	Pag3
	(= { a m is odd?
_	
	given language I dis RL.
	$[\pm x-5] L = \{(ab)^m \mid m > 0\} m = 0,1,2,3,'$
/	1= { E, ab, abab, abab }
	given lis RL.
	[Ex-6] 1= {an m= 100100}
0	1 is Regular Janquage (RL), because it is.
	Lis Regular lanquage (RL), because it is, finite set of string.
.	