Thursday, April 12, 2018 7:59 AM

I. Consider LE EXP.

There is a Th Har dicides L in time 2nk.

Define PADL = $\frac{5}{4} \times \frac{1}{4} \times \frac{1}{4}$

As sun in class PADL & P. If P=I hun PADL & I.

Let Mbe a TM Hat On input

× # 21x1k USB log (21x1k) = |x|k

workspace to divide PADL.

Here is a Th h' has con draide Lusings only $O(kx)^k$ space (which implies then LEPSPACE).

M' . Work tapes are excelly the same as M.

· If the location of M's input pointer is at location 4/x1 pen the location of M's input pointer is the same.

M's input pointer is the same.

If M's input pointer hours into the

H's, keep a register than holds

the Cocation of the head. In this case

the symbol being tend input

tape is #.

· Sterl having he pointer again of he contents of the register is & IxI.