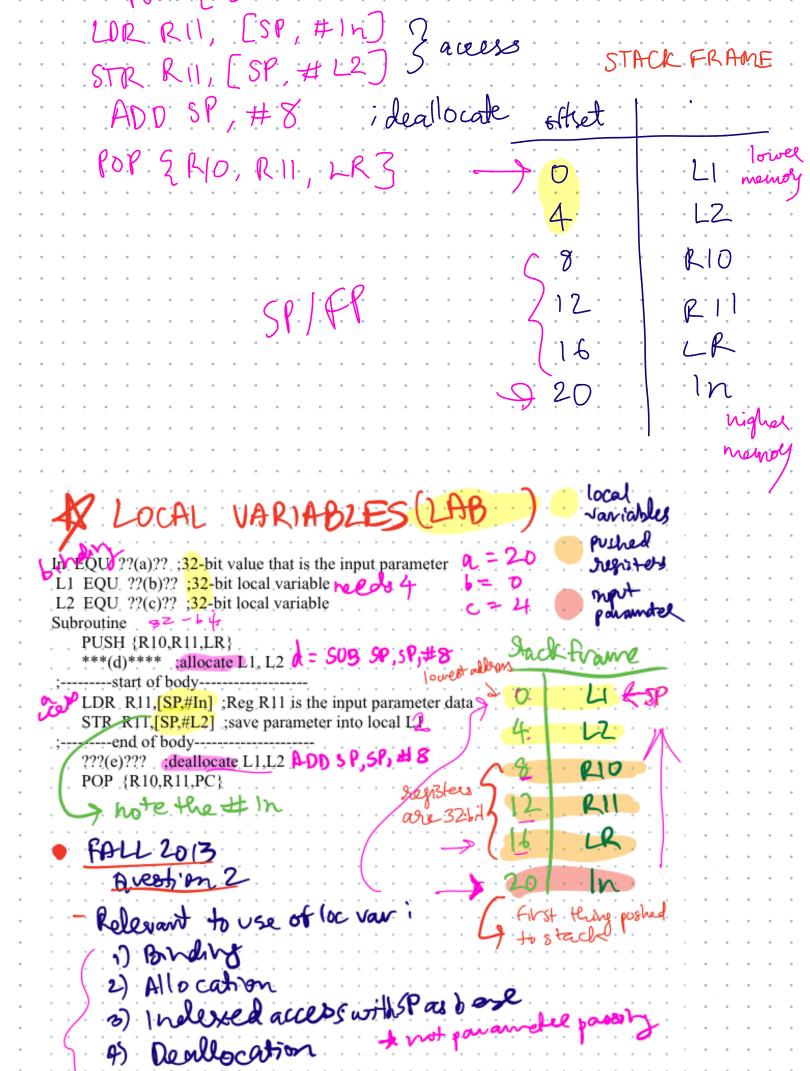
-Dwice Drives 12C
- Syndmonization -> Device could be faster or slower than microcontroller, so we syndhonize
than microcontroller, so we synchronize
* @ Busy-wait Synchroningation
3 Interrupt
- Local Variables in assembly
Worth 17.1 Variables video for Scope & persistence
(1) Local Variables Treuse of memory
-> access limitation
→ reuse of memory → access limitation → not affected by interrupts / recursion
Steps:
The company of the contraction o
- · · · · (L) · Allowith my · · JUB > [· · , · mo ITIPLES. or · O · · · · · · · · · ·
@ Indexed access with SP as base LDR RO, [SP, #XX
a deallocation ADD SP
In EQU 20; input powermon to lecture
Die Video, local variab
12 EQU 4 3 local variables does not have
to start at
Sub OUGH SRIDIPILIEZ V, O, depends
TOTAL TIME CORP.
50B.5P. F.8. / Webcar
···· Developer



Synchronization + Busywrit vong flags
12C3_MCS_R bit 0 indicates buyy
6 Set up LCD
(i) 12C Drives
Some tips:
() Left shift RO by I it is a 7 bit address and needs to go in MSA [7:17 not MSA [6:0]
@ RO, RI, RZ don't overwrite them, they are your nort parameters
3) MCS & 1 0 [stop start enable]
2 Outstring
super straightforward, iterate through ptr(nu11-term)
and call SSD 1306. Out Charl with character at ptr
Hearthest I Check for switch press
(i) I an i dulling in the only a form of the contract of the c
Since you know the fixed size of output X. XX or * * * * > 999
0,30 - 0,39 are conveniently 0-9 in ASCII
Ox 30 Comment of Comme

(5) LCD OHDEC Recursion only required for 319H but is easier and shorter to implement using recursion Base condition à inductive step what to do each time it is called when to start. servining factorial (i) 3 return it factorial (i-1) A Repends on how many local variables you weate Func check your bouse case -> return isolate your number call fonc with smaller number retrieve and output your character c 1 (lo cal variable)

Outdec (65535) Outde (6553) local vavidble