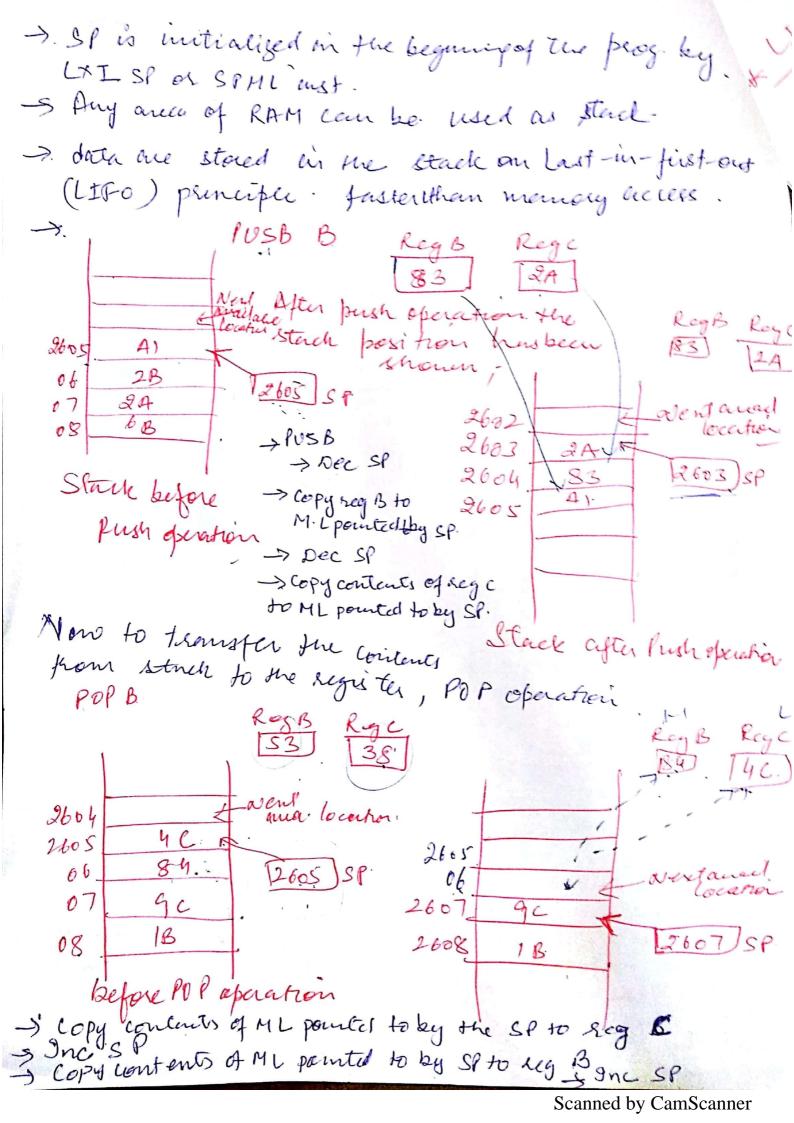
A Stack le Subsoutines : Good Stack I stack. The stack is an area of memory identified by the programmer for temp storage of I dung the enecution of a pray. Sometimes it becomes necessary to some the contents of Certain leg because the leg- are required for some other operation. ->. These contents are moved to certain M-18 by Push operation. ->. After completing operations, those contents which much sand in the money are transferred back to the registers by POP operation -> Menu. Loc. for this purpose au set inside, un the beginning and called stack. ->. The last M. L of the occupied portion of The Stack is called teachtop- Mangines. Subtantine. 2604 New available ron

Stack pointer

16-bit-reg

holds addle

Stack top ) af sterck top 2605 2606 16-5il- reg 2607 holds address ) location





be opposite of each other in order to retrieve info back into its original loaking.

Push B

POPB.

PSW Reg. prin - one additional Reg. pain lecognised in 8085. [All+ flag. Reg.]

It is possible to push the PSW outo two slackdo whatever operations are needed, then POP it off of the Stack.

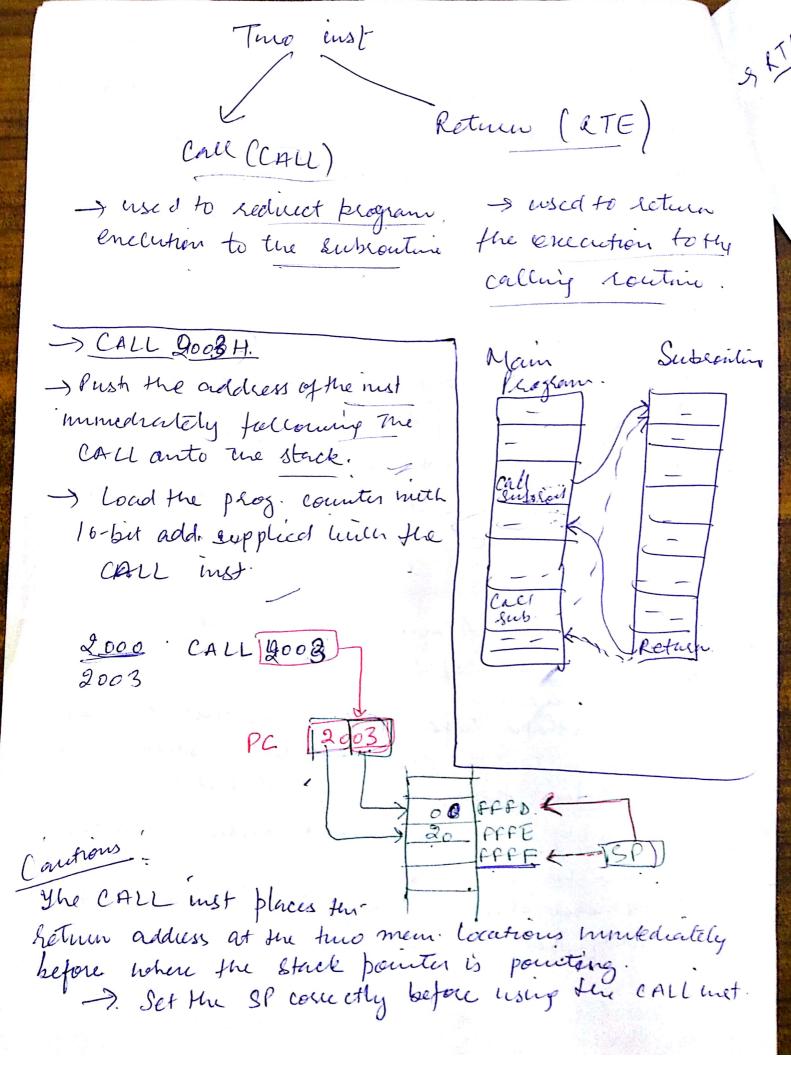
that will be used repeatedly in diff. (occurrous of the program:

-) quatrathate repeat the same out several trives, they can be grouped but a subsculing trat is called from the diff locations.

In assembly language, a subscribing can exist anyother in the code:

-) Homever, it is enthornary to place subsout.

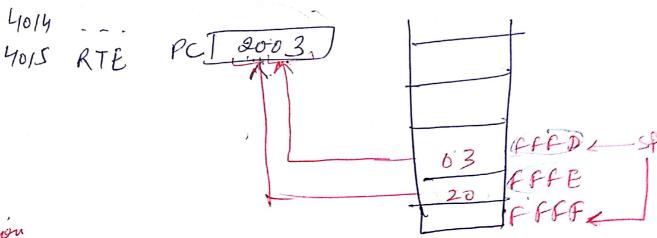
Separately from main prog.



SATE
-s retrieve the return address from the top of stack.

Stack.

Stood the PC auth the setum add.



Curtion

The RTE inst. takes the contents of two ML at top of the stack and uses these as return address.

I do not modify the SP in a Subsourner. Other mise you will loose the return address.

& lassing data to a subsoutines!

1 data is stored in

Leg, by calling pragram and substand. uses the natures from the reg.

The calling pragram stores data in Monn-location the subscont setricule for data from the location and uses it.

