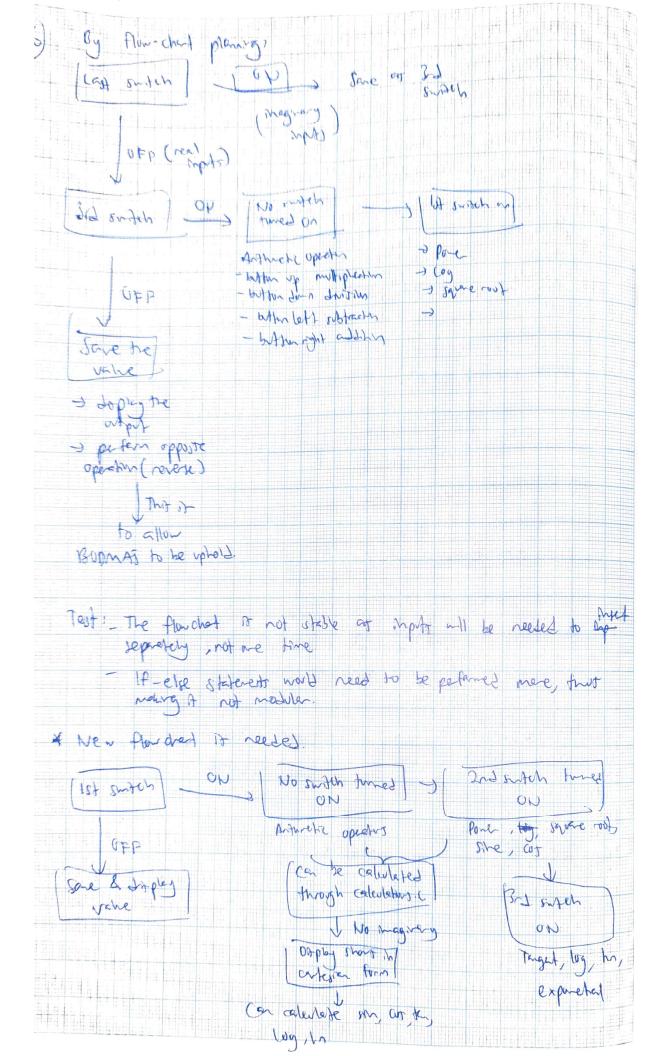
Scientific Calculator
Basic objectives
A) Make sure the by a list in
B) Use stide smitches for other operation
to other operation
1) Make sue to be also to be also al
1) Make sure to be able to display decimal number, 2) Display -ve decimaly.
3) They make some the calculator could do power & square not.
4) Then, make size the calculator can do size, come, target
5) Make sue the calculate is a construction of the target
6) Make sive the calculator could perform compiler numbers
6) Make sure the calculator can perform repeated operations
For whole ohithing: non1 = 65250 (67737 -277) [to shift 8647]
NVN2= 255
nvm2 = hvm2>>>8
TOWNS IT
Cto onet 6-5+) numl= 409J-63
hvm2 = 63
num 2 = num2 >> 6
~ Vie Two's complement to make sure negative numbe input
are possible.
For the repeated operation, numl + num2 = my
(any) + nunz = any
^
(Input by input.) On the sould be sould.
-> Con be sorted using pointers & void function
Test: - The void function does not have an intege to cast Cerror)
Southund Add '21 at the points that will be called at the
Pointer's pootur.
a the calculation () function must add more cases in the sinten statement
because nere operation will be performed.



N

swith 1 = shale Switching & Ox1000 (SW12)	
Swith 2 = 12 de Snitch In Il 0,2000 (SWB)	Assign the vole for the smistler
anichs: ond Switch In Il Oxy000 CSW14	
If switch I be and the suntable of the suntable of the square must be a square must be a square must be a square of the suntable of the square	complex ho library is imported & included in calculations. c for operations to mak. complex ho have cexp, cpow, complex ho have cexp, cpow,
Souteh) (p expuela) -	co and compute log base 10 (Nee 2 to
y - nat-log	mes
South C - tanged R - expiretal V - nat-loy D - logarithm	to display
9 +	
¢ A	
Buttury	
For doplay purposes, creal & cinag of or variables invide man. c furthern.	that can be taken by two complex
make the make firelier.	
- The valves can be compred using if	-elle statement to make sure that
whole number, decidal ar negative	decinal if shown.
- A vaiable must detect which number	type are the image and real values
of the result.	() -1)
- decide vanishe to sted, decide = 1 (d	
The state of the s	whole nomber
the second secon	negative)
= 9(negative deemel)
Test: - The negative decimal & positive dec	nel of "O. 1 and below cannot
1. 12 Marad	
- seg 7-display a har been madified	1, still some result.
Pasten! the venable inside the calc	ulations () function of the operation
I look deposed for all	-0.99
does not defect	The Control of the Co

58) Froed: A new complex versible or introduced moto the function to then be multiplied logil.

- creal & chang nM be avergred to an eighed when (511) dei . II, dei . R1, to detect the record remarked defect by (deci- II \$ 10 = 10) - world Calculater() function for triguometric functions - one () cornect, traget () function we weated The conjuntate that - Input must be in degrees. Test: the agree of sn (90) by PPGA burnd it 0.8. MpM & shill not in rediring Solution: - added PJ Letinitus, which the it vited by val: P1/40 - the code becomes *= = c6ih (ang * vai) - Still does not well. Foliation: - another variable on 2 and val it used,
- and wasts since only I variable on be made Csh (a). hed to add codes for soffere, by & In - (poul) can be used, it wales - (squt() also wells - cloges usly for refuel logotrithm. - log() does not werk an comprex numbers, need to And a may to impresent log large to an just imput need number to make it further Used Ian of logarithm log b = log no, used cloy (anstz)/clug(10) for log best 10 to well.

Testing for repeated calculations, and all the opention 2 -> porc -> () +i) \ sq-root -> ((13+2)) \ sme -> sm(-03) \ conve -> (or (22)) \ > taget-> ta (J-2) // ta (3++>5)

> eap -> esin (2x3)

> met-log -> la (1-3) //

J logator -> log(sin 4) Switch 3