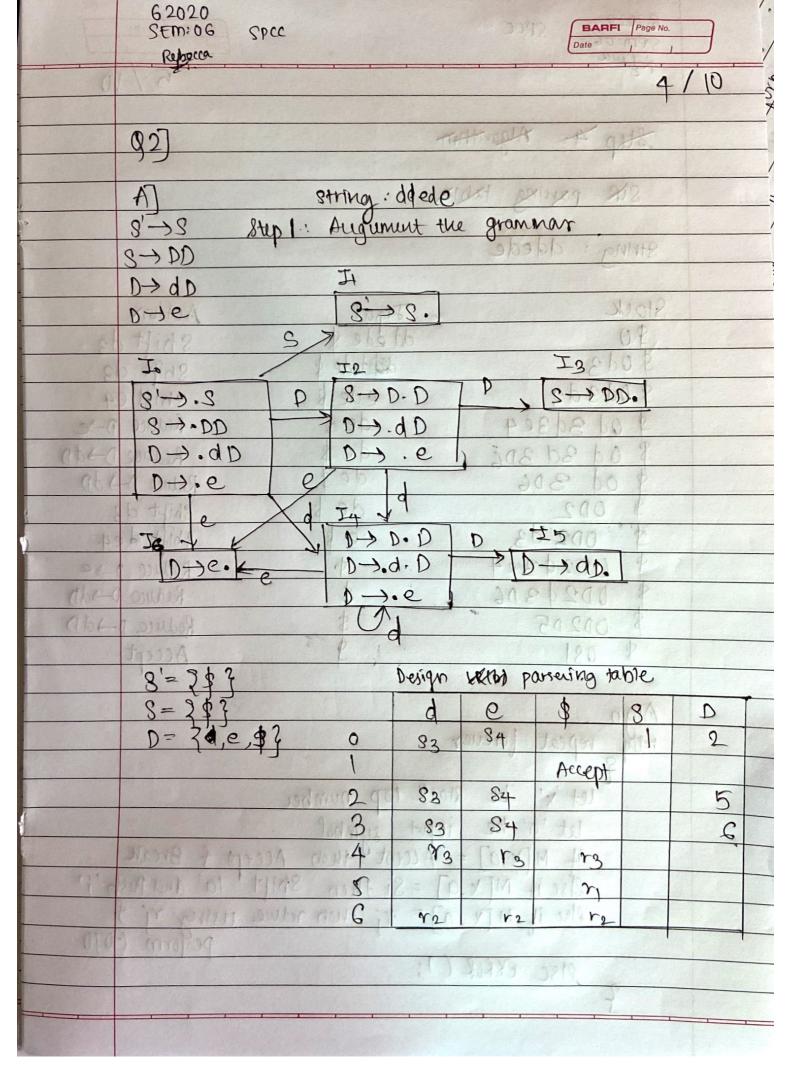


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	TOD !
Q2]	
CTOSO 1 1091 STARTION	in the miner chore in the in
3 Macro Expansion	VAIN IS NOT 15/10 PRODUCTION
- Replacement of	macro call by corresponding sequence
21 modernitary 18	called as maro expanding
To expend a	asser the name of the mary is
placed in the spe	ration fill and in special directives
are wollary	DMIT OUT
- The exas assembly	y vode require INCRA, B, AREG
is an example	of the macro call.
INCE GOSCINDIAN A	Than 1791
mours expands the	maro, and places a copy of the
Macro definition	along with the parameter substitutions)
- + eigh in the	preceding label field denote-the
enpanded inde	mairo definition
	MAUPO
START 100	INCR PA, & B, AREG
A DSI Allowed	MOVER REG. ZA
B DS	ADD RED & B
INCH A,B, AREGOT	Expanded ade MOVEM REG &A
PRINT	START 100 MEND
END HAND SHE SHE	A PS 1 / M
T. SARBONADA SOVI	MOVER REG A
	ADD REG B
	MOVE M REG A
	DRINT A A and B are
	STOP actual parameters
	END SA and & B are
DATES FARE FARE	formal parameters.
MANAGER AND STREET	1 co co co co Co.

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	35					
	@ macro name in the mummic field leads to					
	expansion only in a supporting name in (all					
32730367	statement in the program (lads 10 execution)					
	A macros are completely handled by the assembler					
91	during assembly time where as subvirutines					
ELLINA	are completely handled by the hardware at					
	rantime proposed to					
03	8) The nardware knows nothing about macros					
	while the assembler knows nothing about					
31	subroutines resimpon is 1002200 Door -					
axt1	(9) The subronative call instruction is assembled in					
(with the	the usual way and treated by the assembler as					
	any other instruction					
	(10) macro processing increases the size of the					
10	resulting code but results in factor expansion of programs whereas for					
	program for expanded programs whereas for					
0149	supronting about well into bulk object					
61 2	undes but has substantial overheads of control					
130	transfer during execution 14 and instruction (ii) thardware executes the subvortine call instruction					
In that to know how to save the neturn address						
	and how to branch to the subroutine.					
	A SIR HAVING					
	A & OJA OOA					
	A WAY WANT TO THE WANTER A PROPERTY OF THE PRO					
	DID 8 NOVO A A THIRS					
MATIN	STOP CIETURE Private P					
Jag. Jag.	83 bin At I CIMS					
3 788 F10	ing lawing to the state of the					



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	Step 7 Algorith	M.	Co
9	8th payring tab	18/016 Junie	A
	TON MOTO	out transferra 10	
	string: ddede		00-8
		14	9/2-0
	Stack	dd ede \$	Actions
	90	da éde \$	Shift da
	9043	de de \$	snift da
	9 0d 3 d 3	g ede \$ 9	2 ghift e4
	9 04 34364	ab de\$	
	\$ 0d 3d 3D6	des	Reduce D-> dD
	3 00 306		shift d3
	9 002	des	shift de4
	9 002 d3	9.0 60 5/	
	9 0020304	9.6.60	Reduce D->dD
	\$ 0024306	5-6-81	Reduce P-dD
	\$ 00205	8	
	\$ 031	3	Accept.
	exite possessing table	a prod	1448
0	Algo.	<i>b</i>	11/2 = 6
	mely repeat forever	70 0 9	1, 9, 87
	1333A	anly born	
17		tack top number	
19	let a ne	input symbol Accept than Ac	
	$\int M(X,0) =$	Accept than Al	ccept & Break
	escit M(x,0	1 = Si then shi	ft 1a' and push 'i'
	else if M(x, c	i) = r; then redu	le wing my \$
			perform GOTO
	else EXKOR (-15	
	3	2	