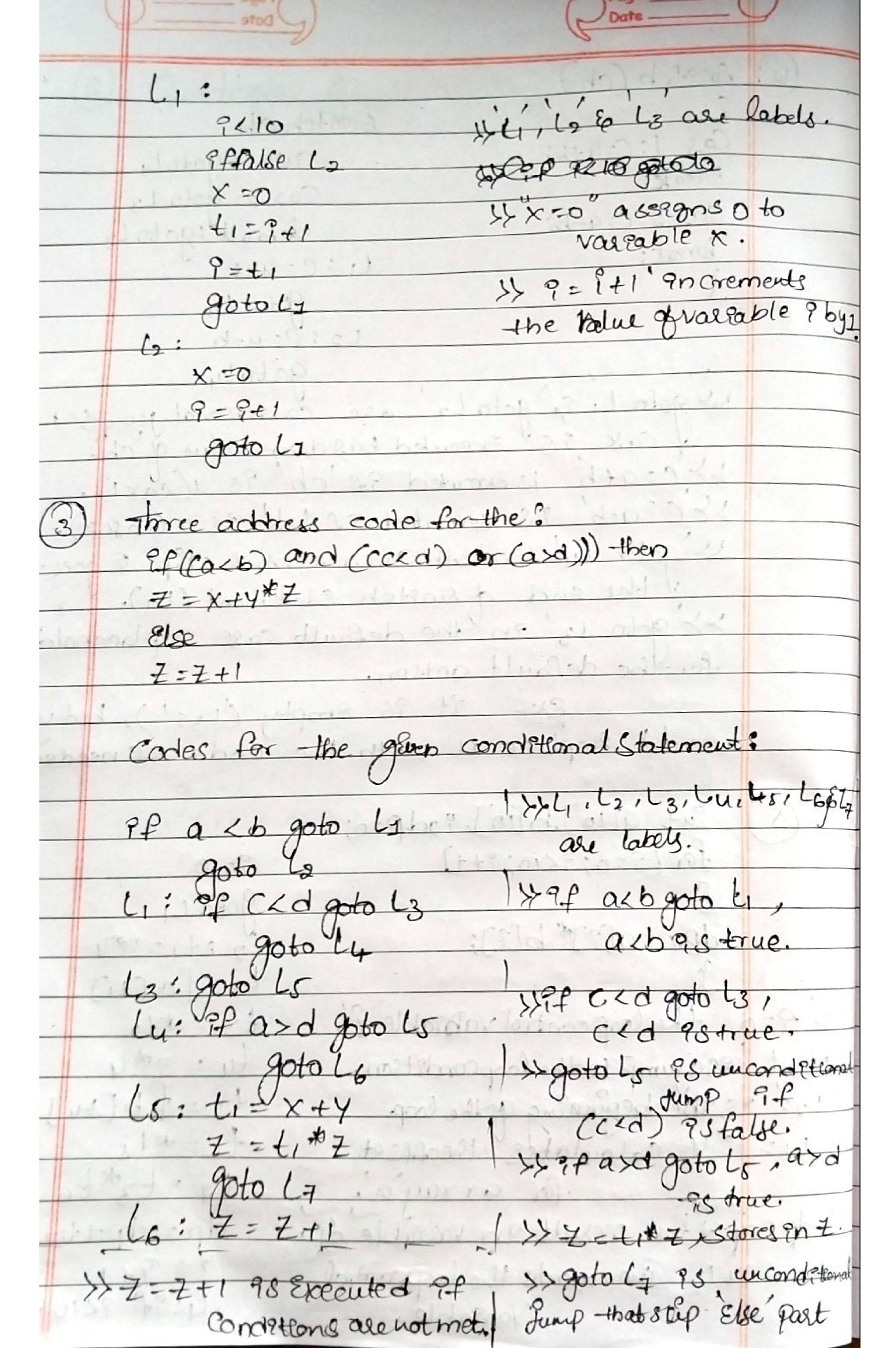
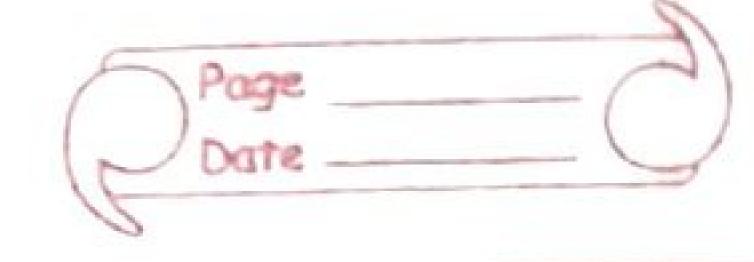
Juadruple Representation : ty = a+t3 Triple Representations ti= bxc -t2=@f t3 = +1/4. Indred Trople Re presentations +1= 6xc tu= a+t3 Three address code for while (9<10) X=0;

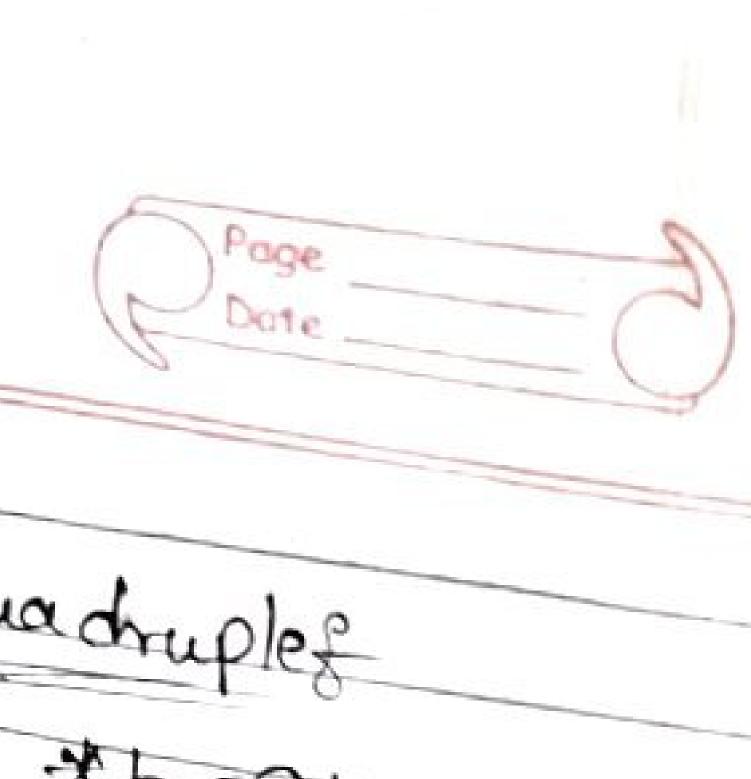


	2
Page	
C Date	(_/

		(Date)	
a	Swatch (ch)		
	5 (Ch)		
· · · · · · · · · · · · · · · · · · ·	Coccie	Swatch Ch	
	Case 1: C=a+b;	Case 1: 90to Li	
	Dreak;	Case 2: goto L3	
	Case 2: C= q-b;	de fault : 90 to 13	
	break;	L1: C = a+b	
		Apto Lu	
		La: C= a-b	
		α_{-1}	
	goto Li En gato	L2 080 CO-0100-1	
	Gase is Executed based on value of chi.		
	is em	ruted 22 ch' 20 1/20 in	
	3 6 000	cecuted 3P (ch 38 2 (case a)	
	goto ly in	with cuses, control stips & ones to	
	i ever end a	Switch Statement (Lu).	
	Toto (3 7n	the default case is placeholder	
	for the default	action.	
	Exs.	it is Empty ('13:1'), butyou	
-	roould replace ?	t with-the code 92 needed.	
	Put alia], blio],		
	for [9=0; 7<10; 7+		
	10 007# 1 Co7.	goto Li	
	dp+=a[i]* b[i];	t2 = for (+1)	
11.0-	the loop control val		
X ×			
2700	Psajump to the loopa	e loop + 5 = 4 b [ty]	
	* y calculates - 18		
01	for ar		
22dp=	to +t+ result 9n 1		
- P	•	loopcontrol 9'= 9+1	
	Varga	1 20 214 (25-1	



6	Quadruples for the Expression - (a*b) + (c+d) - [a+b+c+d].				
	1 - 0 ml				
	$\frac{\pm 1 - 4 \times 6}{1 - 4 \times 6}$				
	$t_2 = -t_1$ (negation of t_1) $t_3 = Ctd$				
	tu=t2+t3 (acting t2 Et3)				
	$t_5 = a + b$				
	-16 = C+d				
	to = totte (adding to & to)				
	result = ty-tz (subtracting tz from tu).				
	In-these Quadriples :				
	1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	1) to to the test are temporary variables.				
	>> result 95-the Anal result of the Expression.				
9	Lise Ay=c				
	anto 12 (8) a>b then				
	36 87=0 Hoto 13 x=a+b				
	apto Ly Ele x=a-b				
	12: A:=1 90to Lo A) ? faxb 90 to 4				
	C = C + 1 $X = Q + b$				
	90 to 1,				
	13: 27 A > 9 90 to 15				
	$\chi = a - b$				
	90to 13				
	Lu:				
	cs:				
(9) (Juadruple: Imagned treples				
	+5=tu+8 ==A+B == A+B				
1	2=+1+1B A=+6 +1=+1*C				
+	63-t2*C Ast2				
	tu - A				



Dote	
(10) as = P= P*C-1P*	
address code	
= - C Quadruple	2
42 = 12 = 1	
+3=b* +1 +3=b* +1	
tu = t2-tt3	742
a= +4	2+3
	39
if ach goto 4 se ckd goto 12?	
12 and Cad goto 12 9	P
SOTO CG.	F-CCF 90-to -
Li 78 Résult true 90 to 15	
12: Result : true goto 5	
Ly: Result: false	
45:	
(12) Translation Schema:	
1 Tansaction across	
S-6.	
6->6++E2	
$E \rightarrow E_1 + E_2$	
E-)(c) 9d + E 9d	
(FX ?d) id ?d ?d	
α b c	
(3) Translation & muhoblen	
13) manslateon gwentoblen feunction.	
-{or (a <b)< td=""><td></td></b)<>	
ef (ach) gotou for (c <d)< td=""><td>1900 la</td></d)<>	1900 la
go tolz. 2f cadgoto ar	- Los Los false
1.1. 5.	Panal Experimenta:
90 to 1 0	
7. Palso RF EXP goto L7	1-2+1 H21 +3
9070 ls	
Por (eep): 13:18 = true	