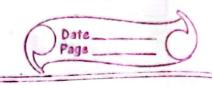
-		I	
	•	SHR ADDITA Page	0
			>
4	7.00	Pooblem-1	her
+		Polymorphic calls at 11nes	mi
+		6. if (pa-sete) > pb-sete)	-M-
		14' it (pa - getes > pc -> getes)	- -1
-		Indiac NA 20010 (STOP C DG . T	-9k+
+		\$8. Pt (pu -> get () + pugetes >	-
		Pb -> getes)	_au
		5 de 20 2 bio 10 bo 6 by 10	P
		Ust of possible binding For given polymorphic cet linera	α
1			_cu
_	7:	pa > get () closs A object	
	25	Pb - get () Class B Object	
	121	160 10 22ND (ND) (-)4 F	8
<i></i>		binlings for line 14!-	
	1.	- TOO SECOND STATE OF SECOND	
	7.	Pu-) get () class 1 5 Object	
	25	Pa -> get () dass &s Object	
		160 66 6600	
	eggan (



.	PC-> getes	Class c's object
4.	pc-> getes	class D's object
	For line 18	- -
٦٠	Pa -> gete)	class A's object
۶٠	PU -> gete)	class B's Object
3.	Py -> get()	class às object
4	py -> gete)	class d's Object
5.	PC-) gete).	class n's object
6	PC -) gete)	class B's object
7	PC -> getes	duss es object
8	PC-> gete)	elass D's Object
9	Pb-> getes	class A's object
io	pb -> gete)	(lass Bs object.

	Test asses
Y.	u=4 $b=7$ $c=6$ $d=1$
	Binding covered.
	6.1, 6.2114.2, 14.3, 18.2, 18.7
	18.90 politica longitud
	Binling covered: 7/16
۵.	a = 6 $b = 7$ $c = 8$ $d = -2$
	Additional binking covered
	1-14.4,318.8
	total binkry overed: - 9/16.
,	3.81 1 13 6
3.	Q=8 b=8 C=8 d=8
0	Additional bining covered
	1401, 1801, 18070



total binung overed
12/16

4) cl=8 b=5 c=5 d=12AllHonal binding Covered

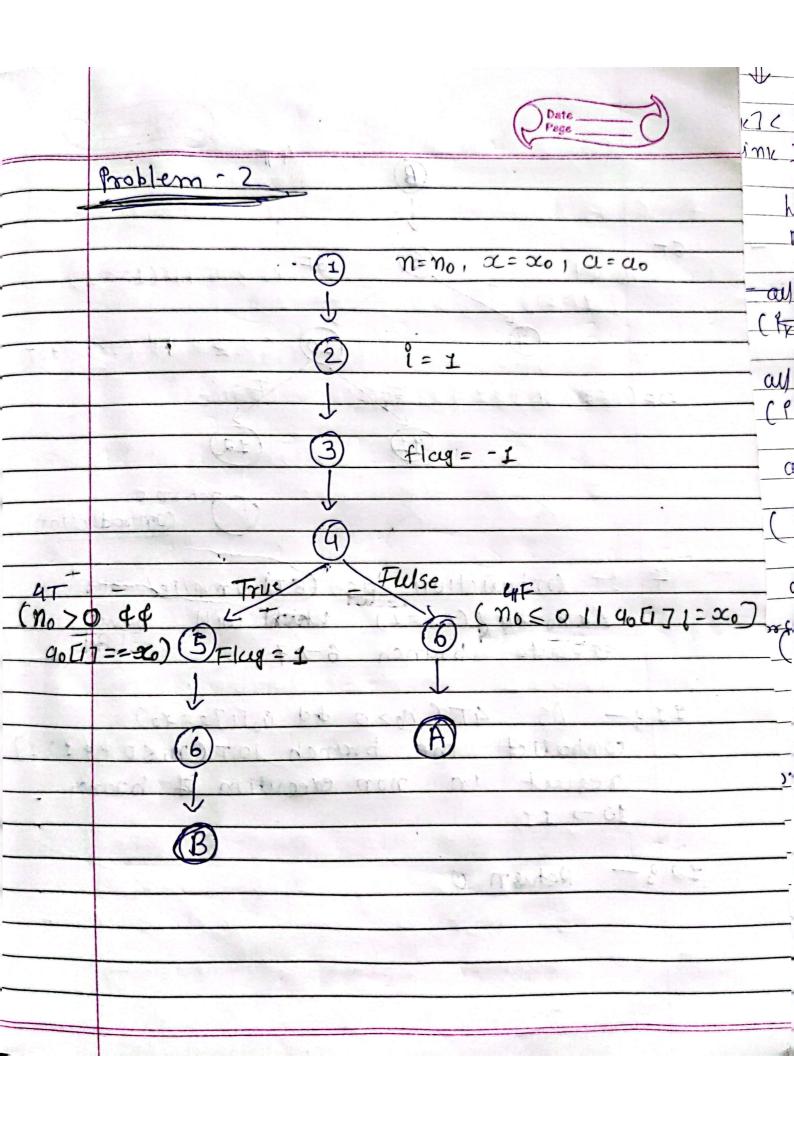
18-3, 18.5

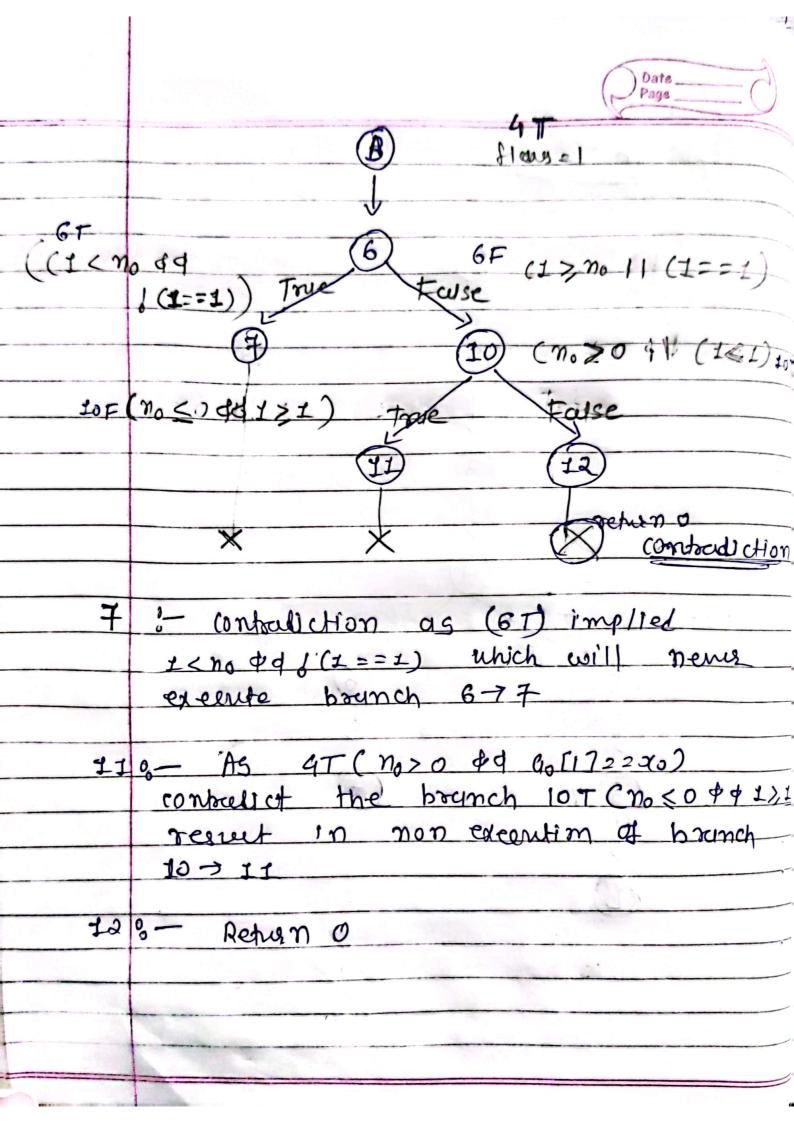
total binking covered

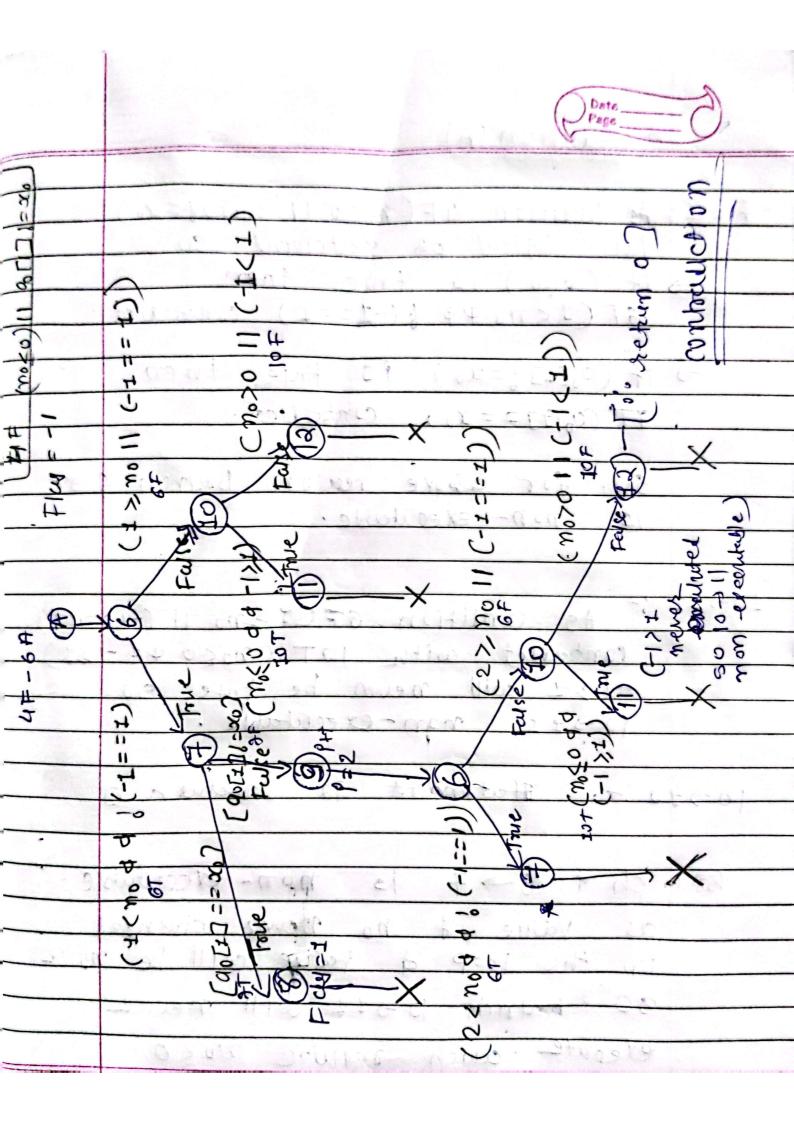
(3) d= 7 b= 3 6=4 d=-4

Additional binding covered
18.4 | 18.6

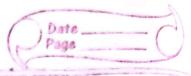
total binding Covered = 16/16







(ontellion (A)



7 > 89 As condition 4 F (no < 0 11 46 (2) (2 x0) how logical of statement 30 => If (no so) is true then 6T (9<no \$\$ 6(-1==1) conscellet. =) If (ab[+] 1=x0) Is the then FT (46G) == xo) confocult. 50, for above reason branch 7-38 is non-executeble. 10-3 11; - As convition GFCI>no 11 (-1==1) contralict with 10T (noco & + 121) -121 coll never be fre so 10 -> II non-executable. 10-) 12: - Statement 12 return o

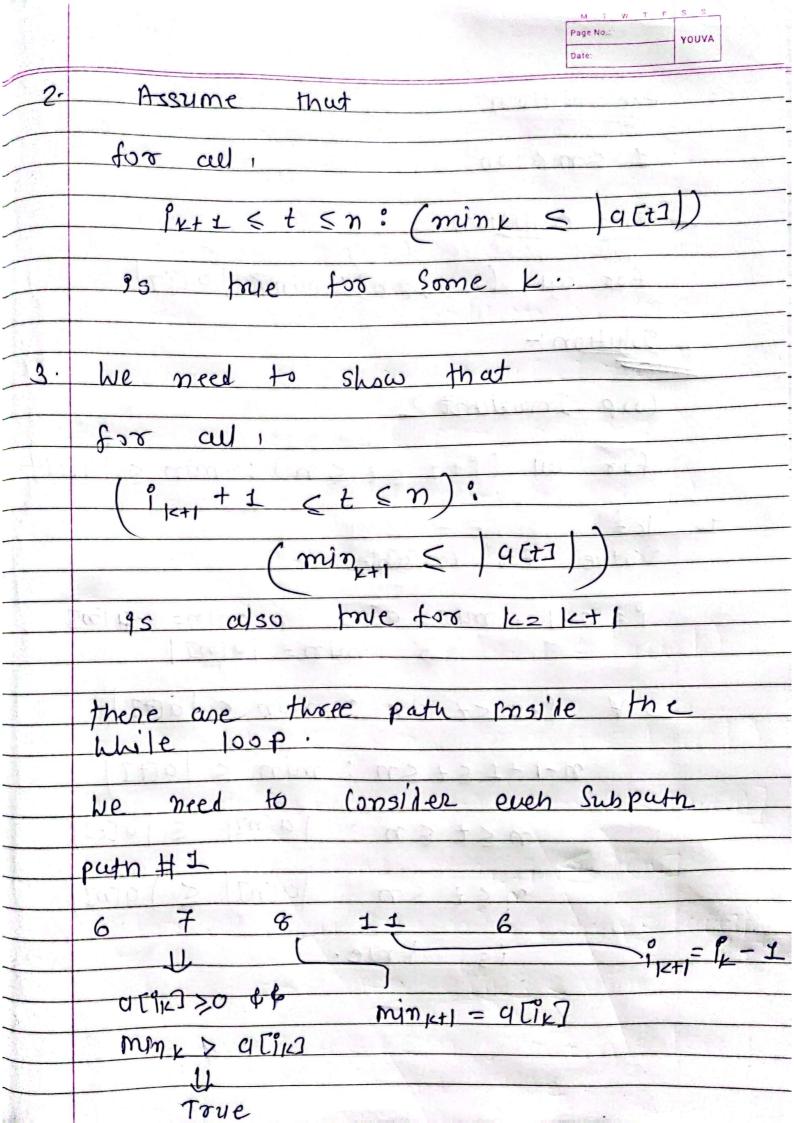
Branch of 6->7 13 non-executable.

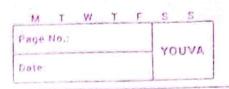
as range of no never changed

in the 100P of fature will be note

30 pronch b=11 will never

execute and require no <0.





we have

min = 4[ik], 1(+1 = 1x-1

Beaunie of (7,8),

the belowing condition is true

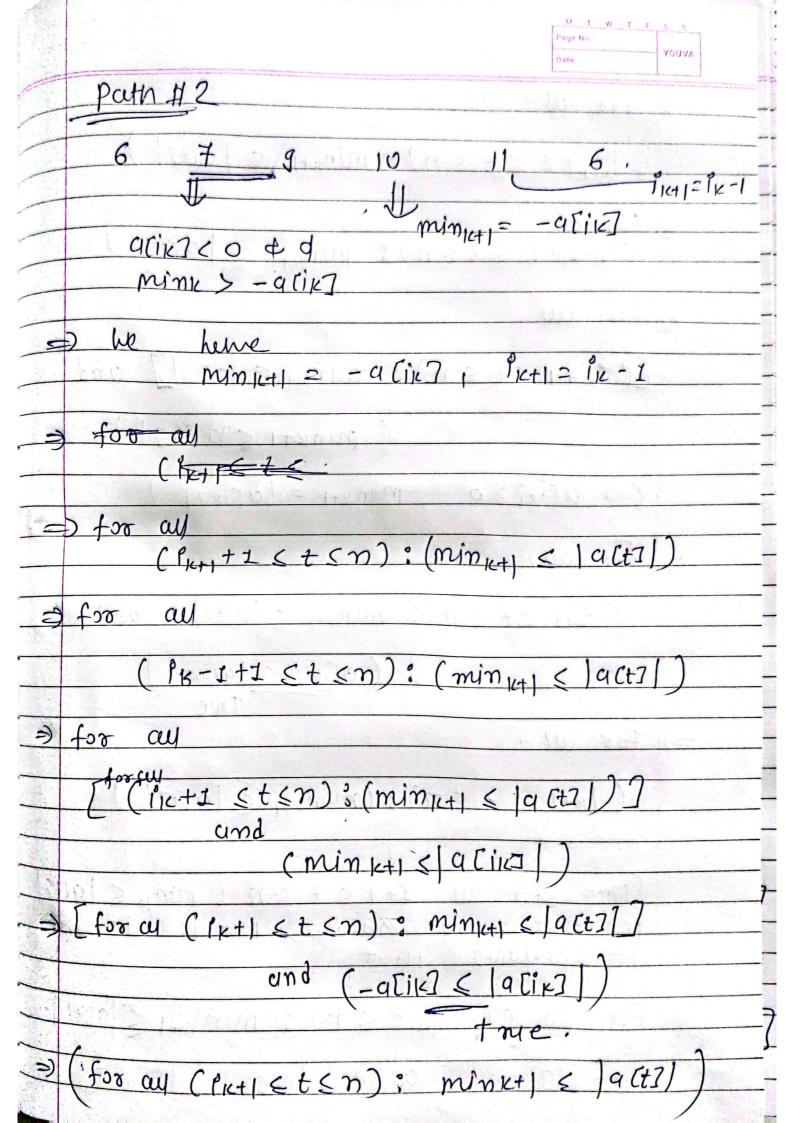
mink > a lind + + a lix7 > 0

> (alix) > 0 & minx > alix]

(min_k+) > 0 dd minx > minx > minx > minx >

is tone -

	Date: YOUVA
=	for all
	(ik+1+1 < t < n): mink+1 < act])
=)	for ay $(i_{k-1}+1 \leq t \leq n): \min_{i \in I} \leq a(t))$
	for ay
	[(ik+1 st sn): mink+1 s act]] and
	(minkt 1 < 19 Cir 7 1)
	(: a [ix] > 0 Mm K+1 = a [ix])
=)	For au
	(1xt ct < n : minkt < act]) und
	(alik] (alika)
=)	For all 1
	$(lk+1 \leq t \leq n)$: $(min_{k+1} \leq q[t])$
	Since for all ft 1 < t < n: mm < alt]
	Is true and mink > mink+1 is true
	it focuous that
	For all Chitists winktis act
	19. cuso true.



MIWIF	5 6
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	path #3
	6 7 9 11 6
(00	so min < acir7/
	true $p_{k+1} = p_k - 1$
=	he here 9/4+1 = 9x-1, mink+1 = mink
	(for ay ((kt) { t < n); min (ct) < a (t7)
)	for ay (9k-I+1 < t < n): (min 41 < 962])
9	for cey (1x+1-1 5t < n): mink < 9(t71)
=)	[for ay (in+1 st sn): mink s a(t7)) and
	mink < ach
	tue.
->	(for au cirtl st sn) 3 mink s act7 and m
	me und me-
=)	True End of Proof.
*	on Termination
	(=0 and for all (HS t < n) 3 min c 9 G
9	
	Charal of charal of min a large of
	for ay 1 ct < n; min < act > 1) that Ps Post - convition.