Problem Set-Up (Black pen is the given in problem) (1) O Basis here is X3, X1, X5 3 BFS 110 3 LP Unbounded Notice this is negative, showing this isn't yet an "optimal" tableau of non-neg in of coeffecent row. tableau Appropriate simplex (4) Notra about to RHS 大多 0 10 Since X, 8 X5 are basic variables, as Get the rows to be: "RHIS Xu Xo Xx Now, how do we deal w/ X3? -> Want it to be in that "identity format" L-7 So, the "pivot" should lie at X3 according to minimum ratio, so let's put in Ratio RHS X5 X2 XI X3 X4 Z 0 0 6/6=1 X 0 0 6 0 @ 00, since neg indenova 10 0 X, 4

15

Yay, fan-fucking-tastic, let's pathon make this an optimal tableaus (2) we could decode on what to till in the things we don't know
56,
BV Z X1 X2 X3 X41 X7 RHS 3 3DK what this is yet, but we'll find out.
X3 0 0 6 6
X3 0 0 6 6 0 10 from before.
X5 10 0 -6 1 4
Also, while I'm here.
Why 68-6? Lossim a lazy piece of shit and I the nice numbers,
Los I'm a lazy piece of shit and shire vince months of shirt and shirt and shire vince months of shirt and shirt and shire vince months of shirt and shirt a
Anyway, buck to the task. Of and was vow-reducing.
Anyway, buck to 12 lask 1
BV 7 X1 X2 X3 X4 X5 RHS 7 10 60 0 K+3 =10 >> SO K=107
Z 1 0 6 1 0 6 1
X, 0 1 0 10 16
X ₃ 0 0 6 1 0 6 1 X ₁ 0 1 0 0 16 X ₅ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Yay!!! was well done Jk, we're got more shit to do
Yay!!!
Alright, we'm ignored Xi since I wasn't sure what to do with Alright, we'm ignored Xi since I wasn't sure what to do with
Alright, we'm ignored he since some make it non-ney of optimality, the h. I now know we ought nucle it non-ney of optimality, the h. I now know we ought nucle it non-ney of optimality, the h. I now know we ought nucle it non-ney of optimality, the h. I now know we ought nucle it non-ney of optimality, the head of the
the si injust garna pick some values that make it replans
BV 2 X1 X2 X3 X4 X5 RHS SAME BV Z X9 X2 X3 X4 X5 RA
2 1 0 2 -3 0 107
X3 0 0 12 6 0 6 B X3 0 0
X, 0 1 2 6 0 10 0pt X, 0
30 Sm Just 9 X1 X2 X5 X4 X5 RHS BV & X1 X2 X5 X4 X5 RHS TO 0 2 -3 0 107 X3 0 0 12 6 0 6 X4 0 0 12 6 0 10 X5 0 0 2 -6 1 4 X5 0 0 2 -6 1 4

"Optimal" again for verification of prevestep										
BU	1/2	Xı	X	X 2	X-1	X2	1 RH3			
7	1	0	8	0		0	110			
Xz	0	0	2	1		0	61			
X,	0	1	14	0		0	110 110 16			
X5	0	0	14	Ō	11	1	10			

Column not matter! We're made sure this

It's probably a good time to note acce fulfilled that

1) BFS is 110 a

ii) By Basic variables are X2, XXX5

We only need now to fulfill infeasability

Locar when there is a column of non-basic variable that contains non-positive entries. So variable that contains non-positive entries. So I'm just gory to say & optimality, it look like this for column's, since neget to pick like this for column's, since neget to pick all values.

BV	2	×ı	X2	X ₃	Xq	Xz	RHJ	why this?
7	1	0	8	0	0	0	110	Co Once again, I'm
-X3	0	0	2	01	-1	0	110 1 6 4	a luzy piece of
X,	0	1	14	0	-1	0	6	shit
X2	0	0	14	0	1-1			

