SIMPLEX DUAL OB SIMPLEX PRIMAL ITS DUAL AND SOLVE WITH MO YOU WERE ASKED TO WRITE HAD A LIVERS MODEL STUPLEX DUAL TYPE. 1ST EXERCISE WAS 2. Let us consider the following liver model and the optimal tester max z = xx +2xx -xx of the relevad problem (RP) PE 7/3 0 5/3 0 2/3 14/3 C2 5/3 2 3/3 0 3/3 9/3 Xx + Xx + 3/3 45 5x1+3x2+x3 57 x3, x2 x3 ≥> , Integer using branch of bound algorithm, the first branching has produced Problems P2 and P3 whose tableux are the Blowing R2 0 0 G/3 0 L/5 2/5 24/3

Q4 0 0 24/5 1 1/5 2/5 14/5 az 0 1 0 0 0 1 2 ar 1 0 1/5 0 1/5 -3/5 1/3 P3 7/3 0 5/3 0 2/3 0 14/3 0 14/3 0 5/3 az 5/3 1 1/3 0 1/3 0 3/3 Qu 3/3 0 4/3 10 1/3 1)-2/3 2.1. write the optimal solution of the related problem. Then Be ont B, respectively and write their gramme to better

2.2 - Represent with the usual tree structure the search that has been done will this point, and identify the upper and lower bands in each case Continue applicates Branch of bands will applied station. July the final solution

The Metro weter district is a consulting company of environmental projects which is responsible for the management of the transportation of weter in a large geographical crear, the crear is relatively dry and then the weter must be transported from other crears (Rs, Rz, Rs) the crear. There are four autometric it on its own throughout and the crear there are four autometric area (Cs, (Zz, (Zs, Ky)), when which does not communicate with area (Zs, (Zz, (Zs, Ky)), when specify, back transportation outs deport to a large attent on the focusion of overs and cities. The transportation outs feel transportation outs feel

R ₂	Cs	C2 1	C3 /c	1	
	10	13	22	13	Spoly
Rz	14	13	19		50
R3.	19	20	1	15	60.
Perion	30	2	23	+-	50
		10	40	10	
				1	1

3.1- Use Wogeh approximation method for adapting a fearible solution to search for appropriate clarithm to search for approximation of appropriate algorithm to search for approximations.