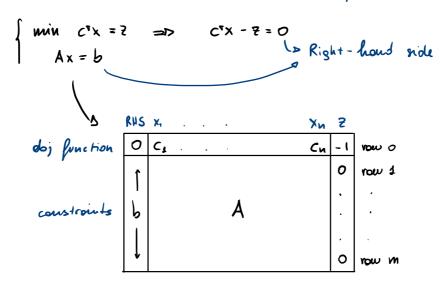
## Toblew Format

We can convert our original system into a toblear form:



We can further rewrite it to have the conomical tobleau

$$Ax = b \Rightarrow B'b = Jx_0 + B'Fx_F$$
 $C^Tx = 7 \Rightarrow 0 - C_0^TB'b = 0^Tx_0 + (C_0^T - C_0^TB'F)x_F - 7$ 

- · remember b must be >0 of each iteration
- " " Yn enters the bon's " meous that the vector (Q10,..., Qma)
  must become (0...010...)

  must become

۵	0 0	Ĉn	- (	
b,		ā,h	0	
Б <sub>t</sub>	I	ē <sub>th</sub> : ēmh	, , ,	→ rou t= erginin { bi ain c

pivot element

X, X<sub>1</sub> X<sub>3</sub> X<sub>4</sub> (-2=) 0 -1 -1 0 0 -1 (x3=) 24 6 4 (1 0 0 (xu=) 6 3 -2 0 (1 0) ES ) Min &= - X, - X, 6x, 4 4 x z + X 3 = 26 3 x 1 - 2 x 2 + X 4 = 6 X 2, X 2, X 3, X 3 0

> I can choose: Xy enters the basis both to and to co,

$$\frac{9}{1 = \frac{24}{6} = 4} \quad 9_2 = 2$$

$$\frac{1}{6} = 4 \quad 9_2 = 2$$

$$\frac{$$

combination of the news -2 = 1 0 -5/3 0 1/3 -1 | elect chronn con be \$\frac{12}{3} = \frac{1}{3} \frac{1}{3} = \frac{ to get the values of the wieble entering the bears right 1 .2/3 0 1/3 To his comb of nous to get to our the consider entering the bosis (x.) NEW YOU O - previous now 0 + & ( new print vow)

(b) (u) (b) (n)

bechnen st. E. Karilspouding is O. (C4 in this cose) How to choose the veriable xx entering the ban's

- 1) h = min (i | cicof
- 2) h = argmax | | cil | cico |
- 3) h = orgnex | | \( \bar{c}\_i | \mathre{\gamma}\_i | \bar{c}\_i < \gamma \)
- 4) h = voudon 1 i 1 ci < 0 1