Pozgen 2 biox + bood = M 111 biox + bs. A=M+2 @ 0.1 p. X = S BIOX = 10 S Poo7 = M-105 # PIX + Pry M+S PixmiPrymit Pixsh Prys= 1.11Pixm + Dry (Pix+Pry)S = Of Pixm SZOIPIX MZOIPIX 20 3agara y crhaa. -- 420 a) PIX + PRY < I 2/1 × 2 × 200 × +209 € 420 // 2=23 home 42 - 21 - 21 = 26 42 - 21 = 26 2 = 21.46 = 23

6)

P, X+P24= 420, 120 P/2 23 P2= 420
P2= 420
P1= 420 420 XX 426 2420 7 $\frac{x}{23} + \frac{y}{40} = 1$ U(x1,x2) z min 521%, 4833 2/y2 4x2) y2 4x

 $\frac{x}{2^{3}} + \frac{4x}{21046} = 1 \Rightarrow x = \frac{1}{23} + \frac{4}{21046} = 21 \Rightarrow y = 4.$

Ed was the m20-30x63 D=(b1/2)>D $\frac{\partial x_1}{\partial x_2} = \frac{\partial x_1}{\partial$ a) u(m, x)=(x,)d(x) PIXI+P2X= M PIXI+PH DIXIB=1 pixi+PripixiB=ne $P(X) = \frac{M}{P(1+\frac{P}{\alpha})}$ $X_1 = \frac{M}{P(1+\frac{P}{\alpha})}$ $X_2 = \frac{P}{P(1+\frac{P}{\alpha})}$ a) U(x, x2) = d, x1 + d2x2, d, d2>0 301/301-121 = D2 => U3U. PXI+PIXI=M U(K1, X2) = mon & EL Ke?) M(x"x5) = Nx"+x5 b(x)+b5x5=m = 2 M2C1. 24 = 1/81 => 301/34 = 1/4 = 1/2 = 1/

(5.)]=600 U(xcf)=xy 25x+404=600 404+404=600 4=25 40x=600 4=254