Tutorial	2-	108	-	51725018-	Croup 8

branch in their city"

{ x, y 1] = wstower (x, y, z) n] x', y' Amount (x', z, x, y')}

(2) "10 and name of astoners who do not own any aunt"

3 '10 and name of vistoner who own an amount with a balance which is no less than the balance of any other amount "

{x, y | = 2 Customer (x, y, z) n (] n, b Assout (n, b, x', bucka) n x = x'))}

1 rollin 2: could not she it. rime it has not been covered yet.

enllm 3:

WITO MER IXI (TID, city (Wilomer) N Swith -ND, BRANCH - CITY

(Morando, custio (Account))

let $1 = 10 \mapsto x$,

None $\rightarrow y$,

lity $\rightarrow 2$,

Nonter $\mapsto a$,

branch $\rightarrow b$,

with $\rightarrow b$,

solve $\rightarrow d$;

Wsbour Swain - 10, Brank - 64 0 Wishour 10 Tomando, WITIO 3 Account (1) O Account > Account (a, b, c, d) (2) Witover -> Customer (x,y, 7) (3) F a, d A count (a, 6, c,d) @ I a, d Account (a, z, 2, d) 6 3 y austoner (x, y, z) 6 n=> Rns = R-(R-s) = Pen1(PRN7Ps) = PR N(7PRVPs) where R= (5) S= (4) Aunt (a, 2, xd)) = Hy wshower (x, y, 2) n (Yy wshower v I a, d Account (a, 2, v,d)) We are left outh astoner MG ANB = TT (0 (AX Juni0=10' B)

Add fro' = x' & to n

B = By Wibner (v, y, z) n (by Wilher (x, y, z) v Ha, d Account (a, z, x, d)

3x1 Anb n x=x1

where A = Customer(x, y, z) $B = \exists y \ Usbuer(x', y, z) \ n(\forall y \ Usbuer(x', y, z) \ v \exists a, d$ Account (a, z, x, d))

Problem 4:

Rover A & over A, B

$$R(b)$$
 $S_{A\rightarrow Az}(R)$
 $S(y, t)$ $S_{A\rightarrow Ay, B\rightarrow Bt}(S)$

: we have:

P (R) X (Adom Ay X Adom Az) - TT (f A, B (S))

AT WE HOW TO CACHETE THIS.