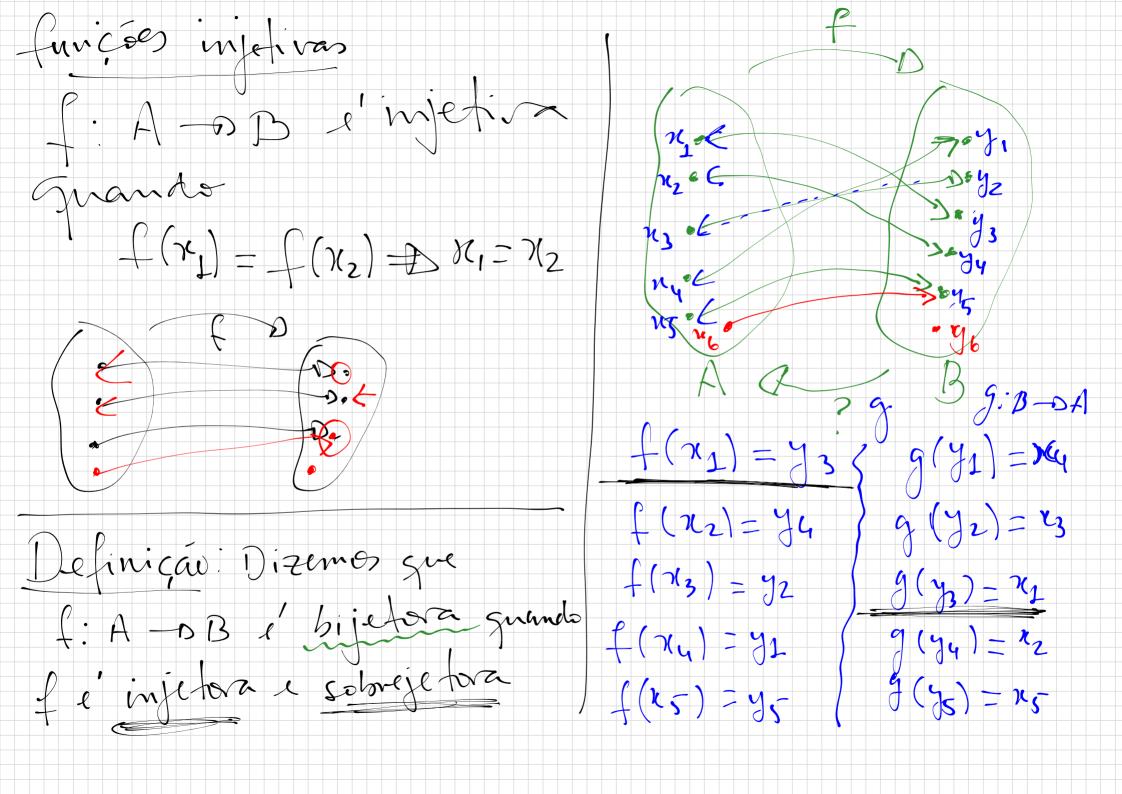
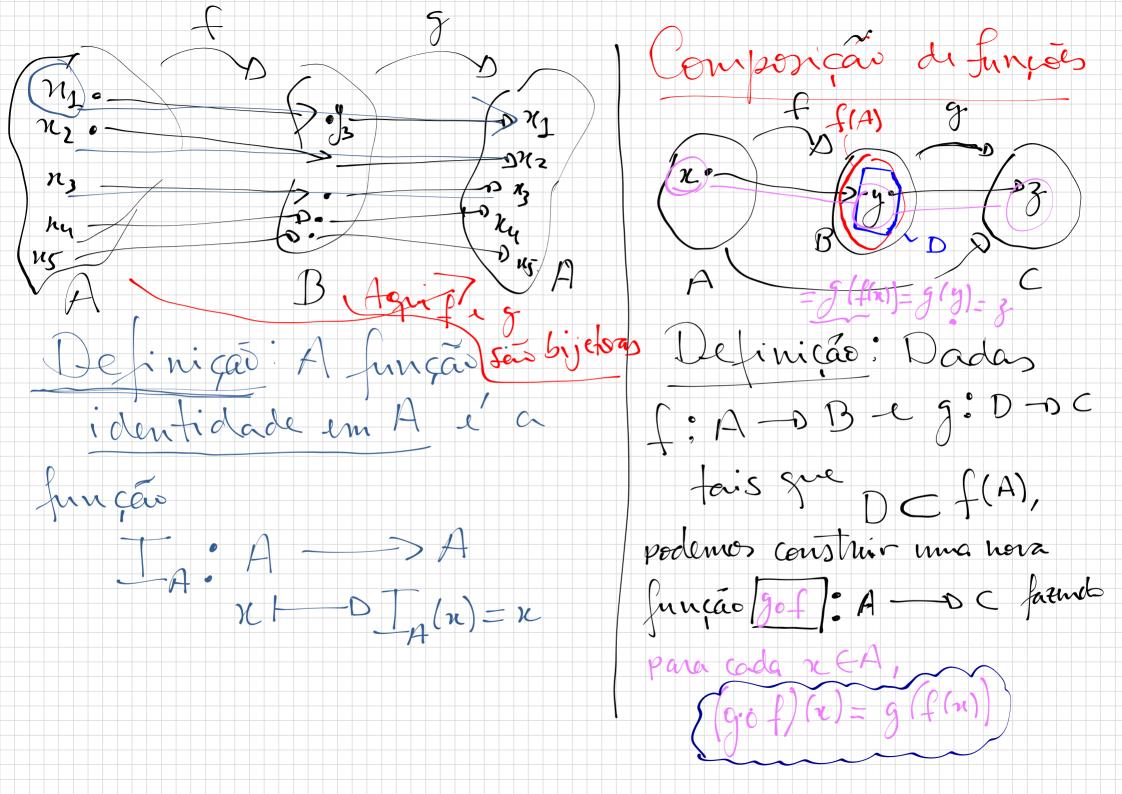
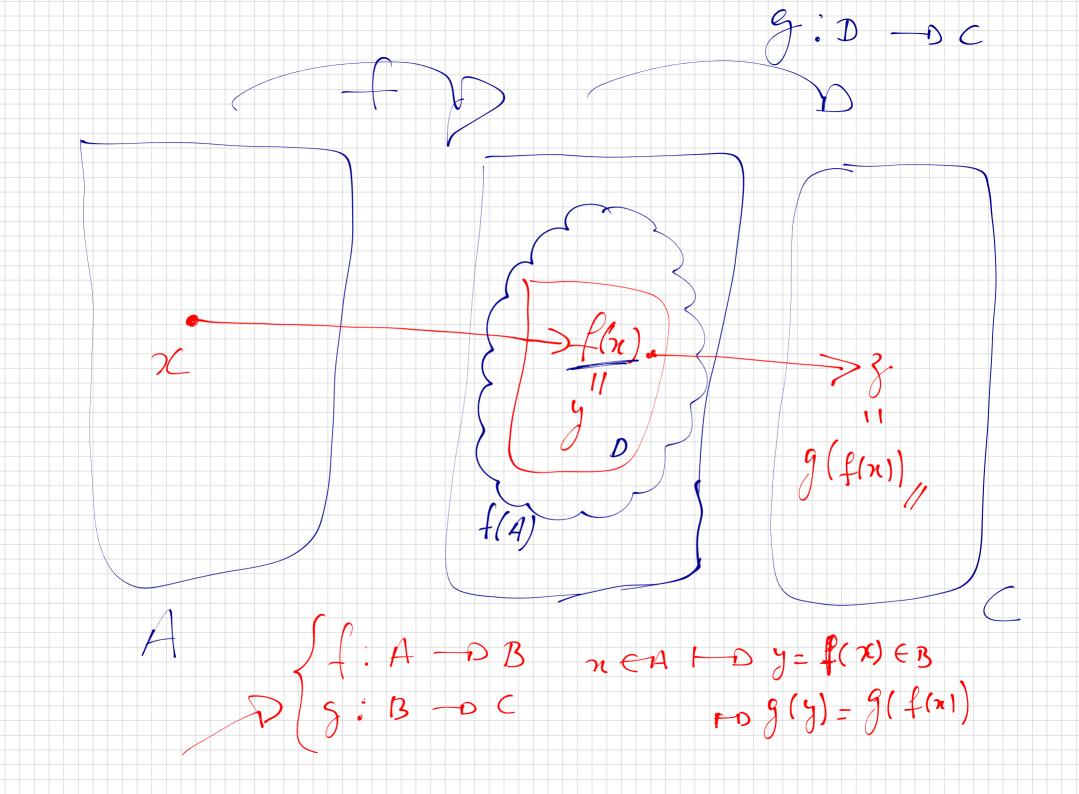
Modernation observed $G/J \circ$ turças, Aplicação A cada ME A corresponde munico g E B.

my cas societis L: A-BB o'solvégetira grando para coda y EB existe um x EA tal Tre (n)= y (fodo y do confradominio 1'imagen de algun x do donn viro) A







h (f(n)) = [f(x)]²

= (-x) = x

h (f(n)) = x²

h of

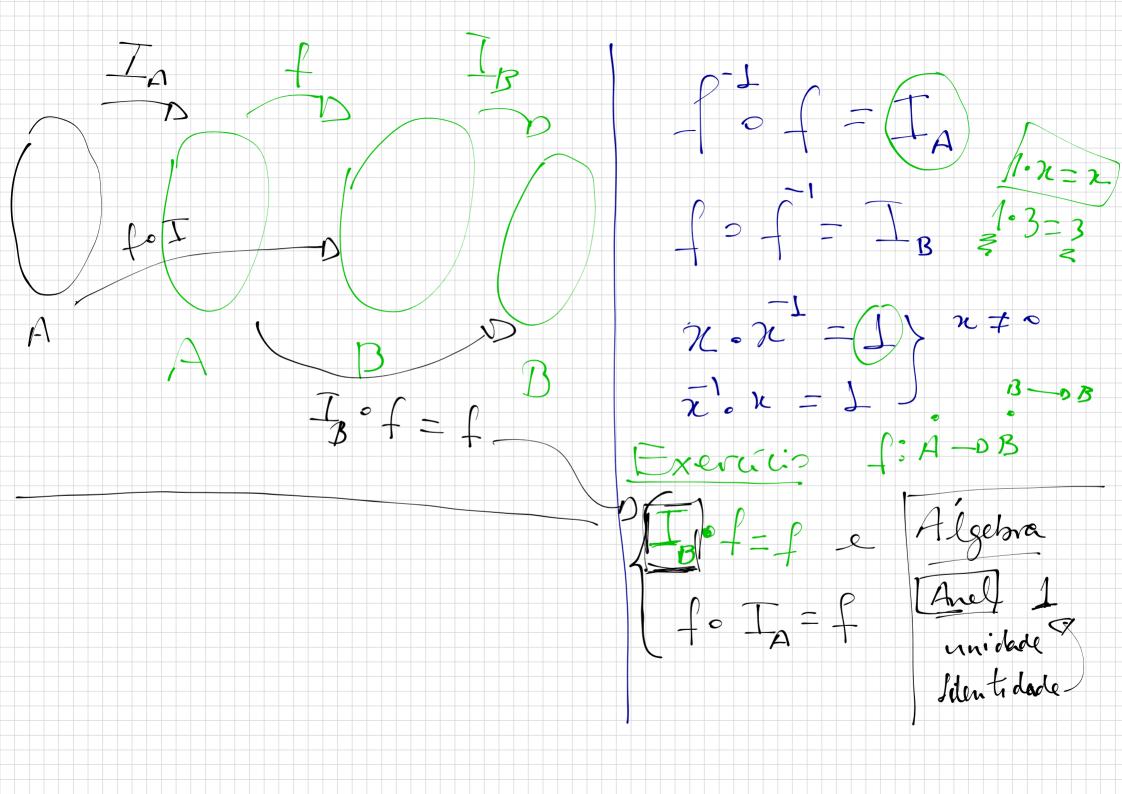
h of

h of

$$x \mapsto 0$$
 hof(n) = x²
 $y \mapsto 0$ hof(n) = x²

hog. (x)= 9:12 -- 12 1R 12 -- 12 VX $\begin{array}{c} 1 & (g(x)) = [g(x)] \\ 3 & \end{array}$ ho (R) -- D Red $= (\sqrt{n}) = x$ hog(n) = n go R(x) = g(h(x)) = hog: R-> 112) $= \sqrt{\lambda(x)} = \sqrt{x^2} = |x|$ Observe gre
goh & hog pois $\int o h(x) = /x/$ John R-DR duas Junções são iguais quando fem mesmo dominio, mesmo contradomínio e mesma regra.

Definição: Dizemos que
$$f: A \rightarrow B$$
 tem inversa $g: B \rightarrow A$ quando $g: B \rightarrow A$ $g:$



Exmysi 9 f. R. - 5 R. 2 (x) = x2 L 19: R-- 1R+ n H-DJn fog (R) > R+ $\mathcal{X} + \mathcal{D} fog(\mathbf{x}) = f(g(\mathbf{n}))$ $\log(n) = \ell(g(n)) - \lfloor g(n) \rfloor^2$ $= (\sqrt{n}) = \chi \in \mathbb{R}$ $= (\sqrt{n}) = \chi = \mathbb{R}(n)$

Por out lado

gof; R->R $gof(x) = g(f(x)) = \sqrt{f(x)}$ $=\sqrt{x^2}-|x|$ $\int o + (\kappa) = \kappa = \prod_{k=1}^{\infty} (\kappa)$ Amin $\int g \circ f = I_{R_{\perp}}$ 1 + 0 9 = IR, Logo

Exemplo Mostre que f = f P(X)+1=3+1 1: R(1) --> R(1) 7 - 1 - 3 - 1 $\mathcal{H} = \frac{1}{n-1}$ n = 2De fato, 2+1+1 $f \circ f(x) = f(f(x)) =$ f(x) + 1f(n) -1