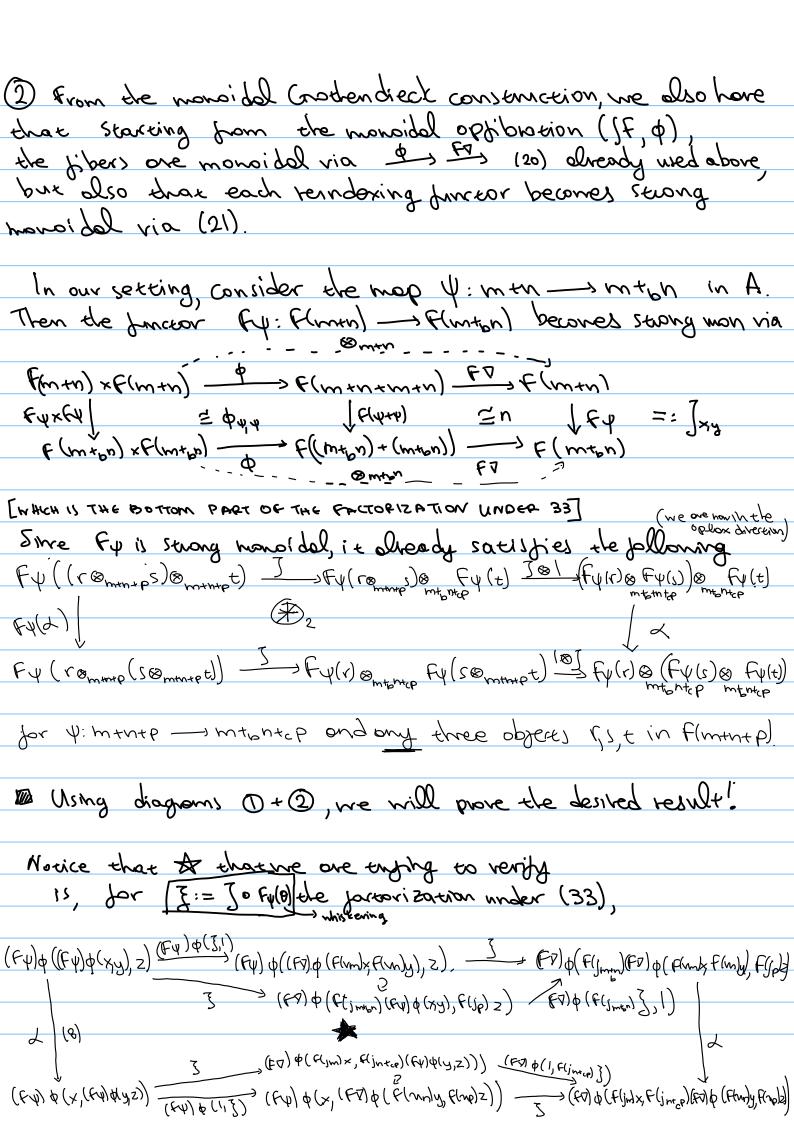
Thm 3.2
Axiom E(M)o E(N)o E(P) 2 E(MONOP)
Can do by brive force (oxioms of lox mon pseudofun) since
Can do by brieve force (oxioms of lox mon pseudofun) since all maps one non known, using oxiom [(m)&[(n)&[(n)&[(n)])]
$\mathbb{F}(\omega \omega \omega b)$
but once again prejer a higher-level solution. OFF. CONNENT OFF. CONN
1) Recall that the tensor axiom anded up being a result of
an isomorphism of manifold acception (IF @) =(IF @)
1 Recall that the tensor axiom anded up being a result of an isomorphism of nanoidal axegories (IF, \otimes) \cong (IF, \otimes) \cong (IF, \otimes) where $\times \otimes y = \phi_{m,n}(x,y)$ and $\times \otimes y = (FX) \phi_{m,m,m,m}(F(i,m)x, F(i,n),y)$
and the isomorphism was on id-on-objects Junitor w. Etrong loxoto
furth dmin f (mtn)
for the $\frac{dm_{in}}{dm_{in}} = \frac{dm_{in}}{dm_{in}} = \frac{dm_{in}}{d$
F(mtn) xF(mtn) -> F(mmtntn) -> F(vntn) Pmmmm FV
() BY MATURALITY OF A
So we obready have that
70 10 000 10 10 10 10 10 10 10 10 10 10 1
$ \Phi\left(\phi(x,y),z\right) \xrightarrow{\Phi\left(\theta,1\right)} \Phi\left(F\nabla\right)\phi\left(F(n)x,F(n)y\right),z\right) \xrightarrow{\Phi} (FV)\phi\left(F(n)x,F(n)y\right),F(kp)z\right) $
$ \Phi\left(\phi(x,y),2\right)\xrightarrow{\Phi(\theta,1)} \Phi\left(F\nabla\phi\left(F(u_n)x,F(u_n)y\right),2\right)\xrightarrow{\Phi}\left(F\nabla\phi\left(F(u_n)x,F(u_n)y\right),F(u_n)y\right),F(u_n)y\right) $ $ \psi\left(\phi(x,y),2\right)\xrightarrow{\Phi(\theta,1)} \Phi\left(F\nabla\phi\left(F(u_n)x,F(u_n)y\right),2\right)\xrightarrow{\Phi}\left(F\nabla\phi\left(F(u_n)x,F(u_n)y\right),F(u_n)y\right),F(u_n)y\right) $ $ \psi\left(\phi(x,y),2\right)\xrightarrow{\Phi(\theta,1)} \Phi\left(F\nabla\phi\left(F(u_n)x,F(u_n)y\right),2\right)\xrightarrow{\Phi}\left(F\nabla\phi\left(F(u_n)x,F(u_n)y\right),F(u_n)y\right),F(u_n)y\right) $
$ \frac{\Phi(\phi(x,y),2)}{\Phi(x,y)} \frac{\Phi(\phi,1)}{\Phi(\phi(x,y),\phi(x,y)$
$ \frac{\Phi(\phi(x,y),2)}{\Phi(x,y)} \xrightarrow{\Phi(x,y)} \Phi(x) + (x_{1}x_{1}x_{2}x_{3}x_{4}x_{4}x_{5}x_{5}x_{5}x_{5}x_{5}x_{5}x_{5}x_{5$



where 2 commute by hatuality of {= Jo Fy(0) and the rebenant maps in (A, t) are denoted according to Fy(0) "Fy(0) 01 [Proof] I can apply fy to the commutative @1~ suf) @1 Non expand the is inside F(jmbn) F(jp) (Fy) φ (Fγ) φ (x, y), 2) (Fγ) (Fγ) φ (Fς) (Fγ) φ(xy), (Fs) 2) = (F7) φ ((Fy)(Fs)(Fy) φ(xy), (Fs) 2) = (F7) φ (F(i), (Fy)φ(xy), (Fs) 2) [(F 4)(FO) φ ((F)(F) 0, 1) 2] Lound (F 0) \$ (F) (F4) (B, 1) 3 > (60) \$ ((Cy)(G) (Ky)(R) \$ (Gh) > (Gh) > (Fy)(G) 2 (Fy) of (x, (Fy) o(y, 2) (FV) p ((F)], 1) ود۶. 3/ (2) (FO) of (F) (F) (F) (F) (F) (F) (F) (F) (F) (Fy) (Fo) \$\phi ((Ft)x, (Fx) (Fy) \phi (x) \phi (1, (Fx) \phi (1), (Fx) \phi (1, (Fx) laman [5, (FD) $\phi((F\psi)(F\psi)_{(F\psi)_{X}}(F\psi)(F\psi)(F\psi)\phi(yz))$ (Fo) \$ ((Fu) (Fox (F) (F) (F) \$ (FUB y FO 2) (FJ) \$ (F(1) x, F(j) fo \$ (F(2)/4, F(2)/2) (FD) \$ (Flym) x, Flynter)(Fy) \$14,2) (FX) \$ (1/4) (FX) \$ (FX) \$ (F1) (FX) (FX) \$ (F1) (FX) \$ (F1) (FX) \$ (FX) [[2 (FO) \$ (1, F1) 7) (FO) \$ (F1) x, F1) (F0) \$ ((F4) (F1) y, (F4) FP) 2) So the proof is complete. box ded FIMAL THOUGHTS FOR AXIOM & - for any strong manoidal frozer & have communing $K(x_1 \otimes y_1 \otimes x_2 \otimes y_2) \xrightarrow{\theta \otimes \theta} K(x_1) \otimes K(x_2) \otimes K(x_2)$ K(x,6y,0x20y2) 0 K(x,6y,) 6 K(x26y2) 10 KIGI) 180 p K(x10x20y10y2) =>> K(x10x2) 0 K(y10y2) ----

→ K(x)& K(x2) & K(y1) & K(y2)