

E R TUZ $\frac{1}{2} \left[\frac{1}{2} \left$ 115

-[IVICHI, Cat. 7] (II- the monorido anoc, to D-BMF-KT R THTBONK - (TUP (- + 5) - +5)) B-ONF-Hikze Hade $\begin{aligned} |T| & (1) & (1$ R20(TS)~)/2612 (+ D) Loc - (+ D) j=1-1-1 $\pi^{n,t}(10^{m}) \stackrel{\tilde{F}}{\to} \stackrel{\tilde{$ no Ril (all((s)) ell. ~ tor pt

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to D-OM--KT $\begin{array}{c} \mathcal{F}_{u,v}^{(0)}(T_{v}^{(0)}) \leq \mathcal{F}_{v}^{(0)}(T_{v}^{(0)}) \leq \mathcal{F}_{v}^{(0)}(T_{v}^{(0)}) \geq \mathcal{F}_{v}^{(0)}(T_{v}^{(0)}) \\ \mathcal{F}_{u,v}^{(0)}(T_{v}^{(0)}) \leq \mathcal{F}_{v}^{(0)}(T_{v}^{(0)}) \geq \mathcal{F}_{v}^{(0)}(T_{v}^{(0)}) \geq \mathcal{F}_{v}^{(0)}(T_{v}^{(0)}) \\ \mathcal{F}_{u,v}^{(0)}(T_{v}^{(0)}) \leq \mathcal{F}_{v}^{(0)}(T_{v}^{(0)}) \geq \mathcal{F}_{v}$ $D^{(1)} \overline{F}^{(1)} M^{(1)} M$ no R, (TD) - 100 But, no Kummen thars indet But, no Kummen thars commet contain bicoir mon-rould i Corrent contr. bicoric mon-rail'd Fil ell. ~ tor ph NF- pe- tig fre dect the fre dect the Fre H

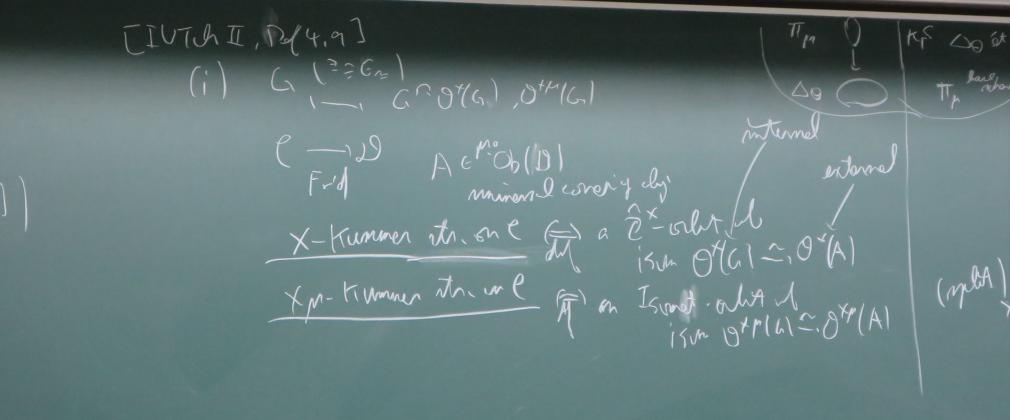
; c (ally (10) -, J (215*) (//)

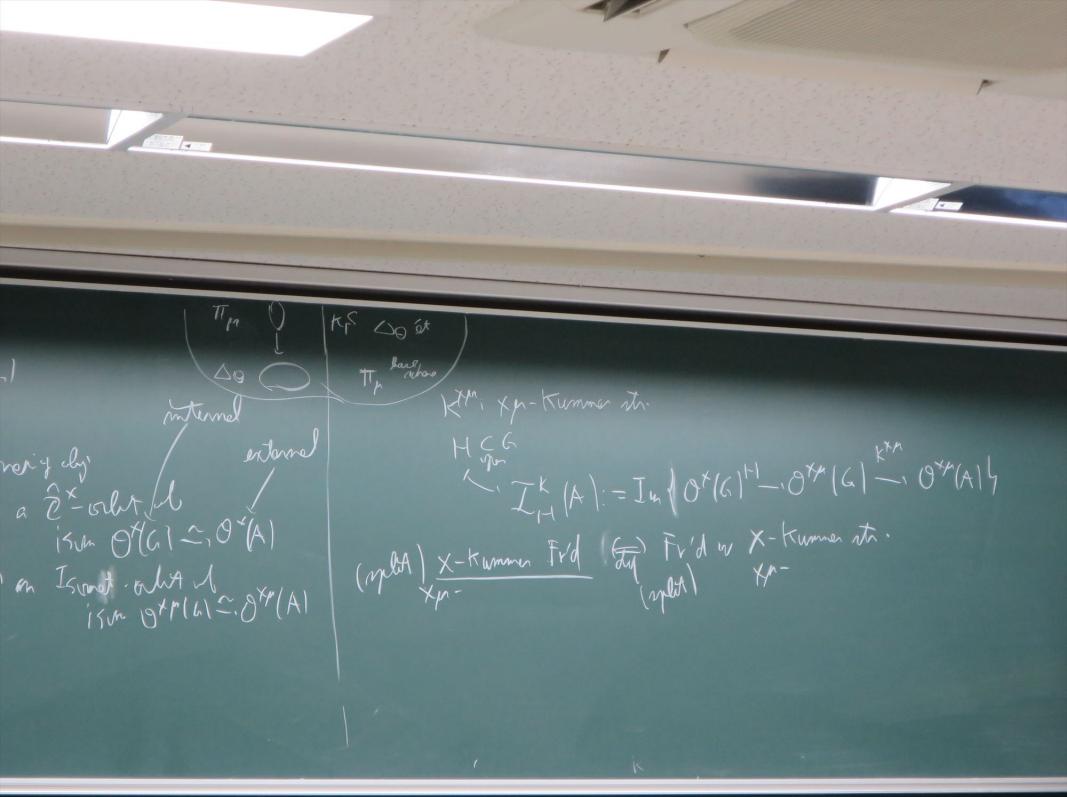
(二版*) $C \xrightarrow{TT} (-1)$ De) , F-pe-stag mel-M. M. As ism (-)0 othons ~ 1 1 < mit > signiliat for the symmetry isomes $\frac{1}{2} = \frac{1}{2} = \frac{1$

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, D-OME-LET KOWESP, Fund (TSO) SF (TSO) SF (TSO) 170 (torm, las cut = 7100 170/100 The formation of the second se $M^{(1)}(T, \mathcal{A}^{(1)}), M^{(1)}(\mathcal{A}^{(1)}), M^{($ "F..." (P. (F. (t. P)) - W N. (t. P) - (F. (t. P)) - (t. P) N. (t. P) - (F. (t. P)) - (t. P) €×" († D^e) († D^e) († D^e) no R, (TD) - (ong) ~ (Bur, ms Kumman 00 ~ diag Kumman molet not compet us les -lik I lord factors & real'd gl. ntr.) prie to Fid Fid Je (t De) ; Fid Je (t De)], Find (t De); Je to loc, [- (t De)] ; R (ablay (to) F190 --







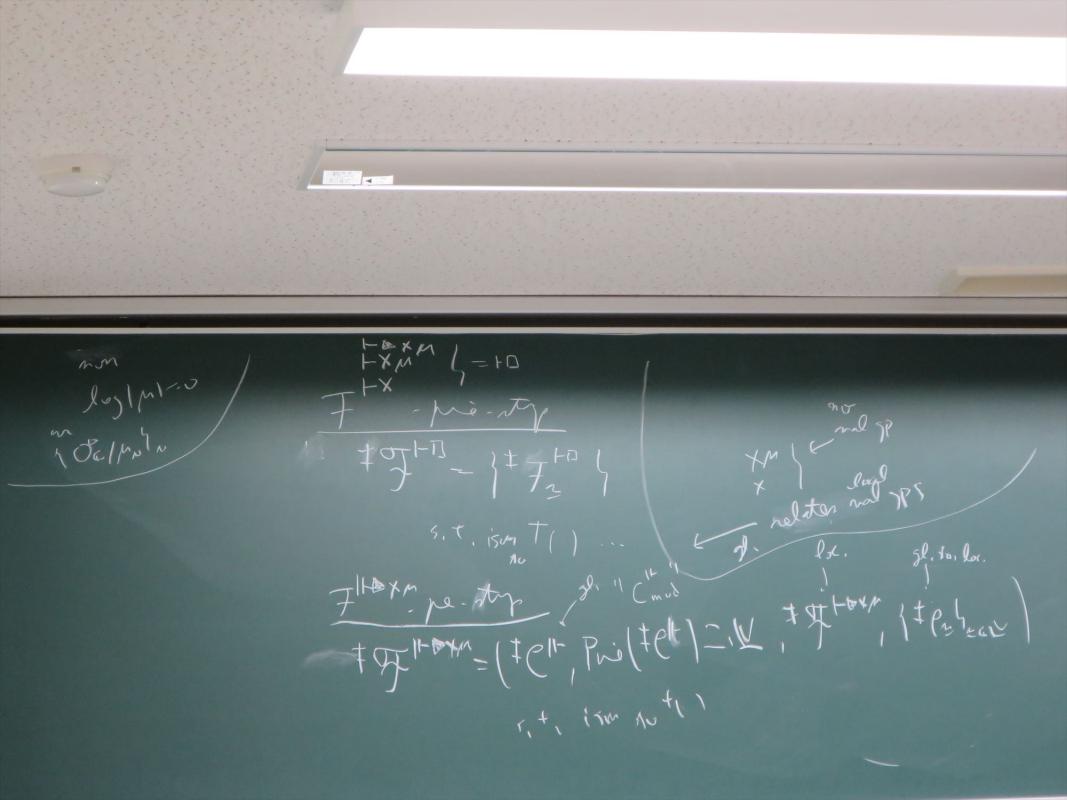
(ii)
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TIUTUHI, Polyand(i) () (2762)

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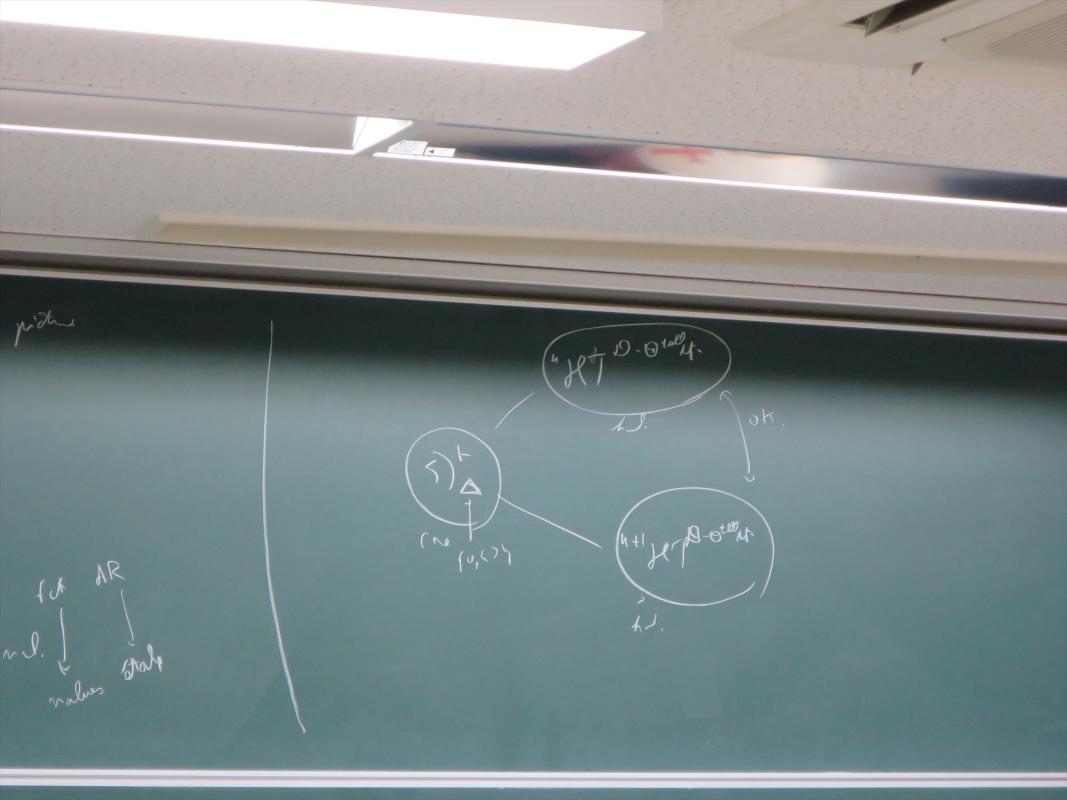
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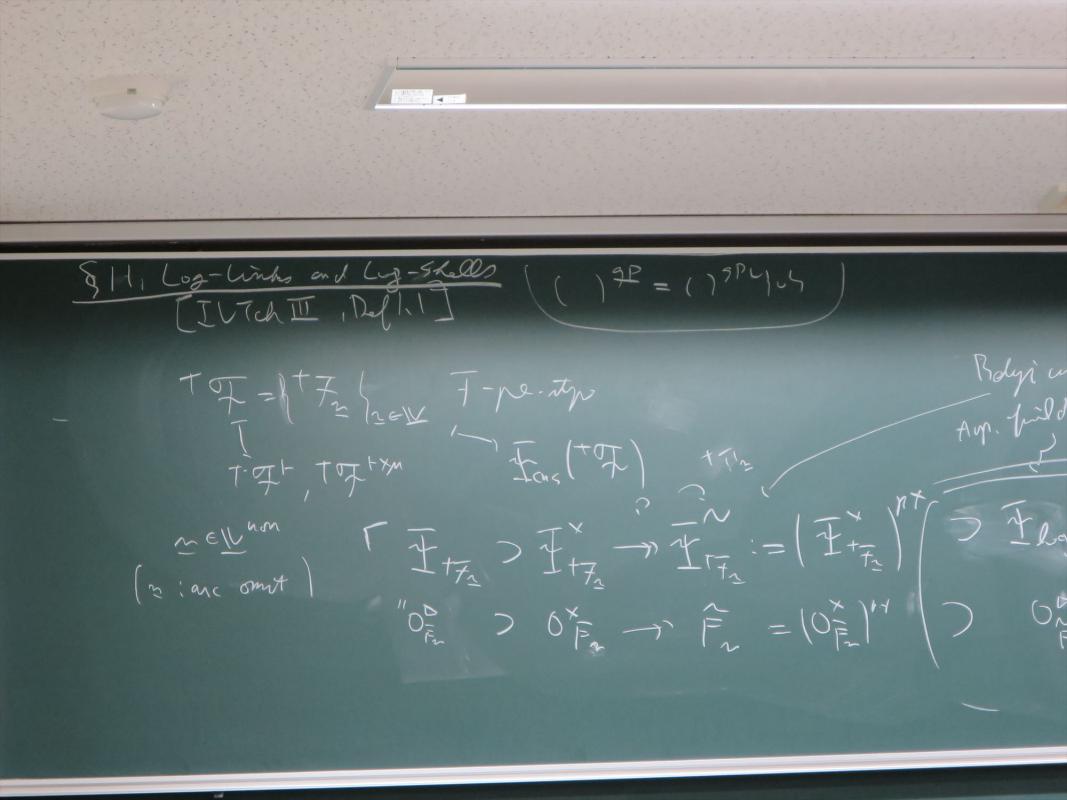
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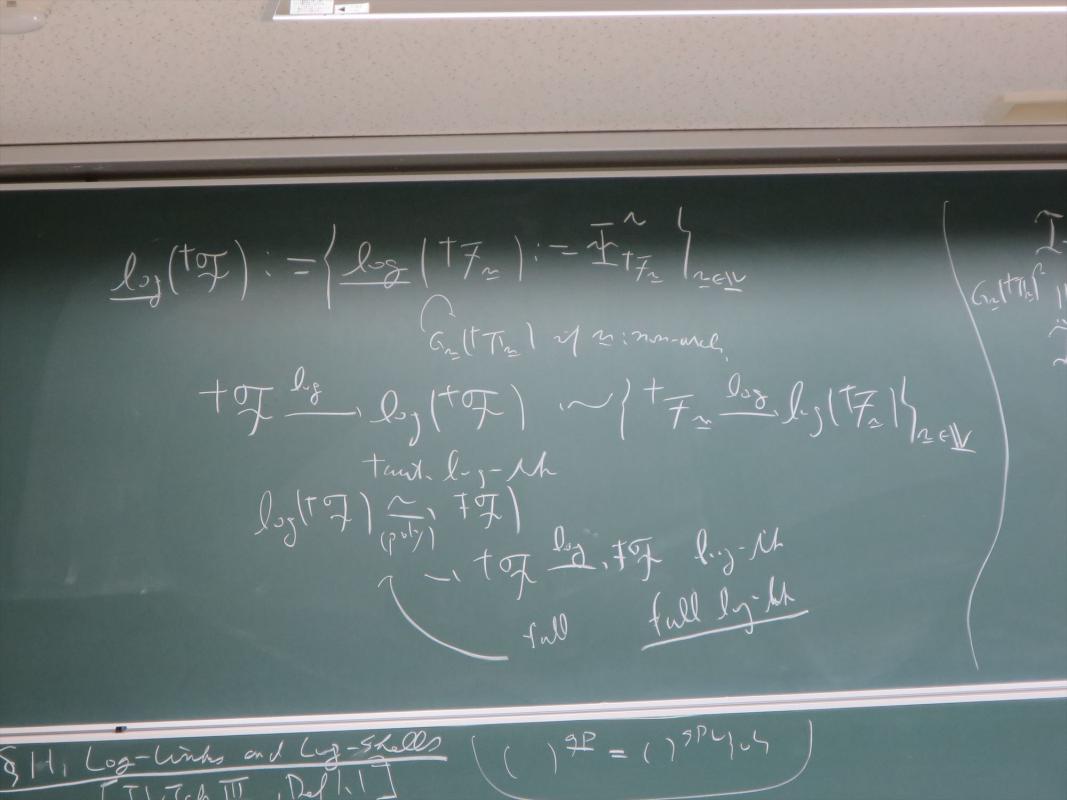
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 $\begin{array}{c} \mathcal{I}_{T_{7_{2}}} \leq \mathcal{L}_{1}(T_{7_{2}}) \\ \mathcal{L}_{T_{7_{2}}} \leq \mathcal{L}_{1}(T_{7_{2}}) \\ \mathcal{L}_{T_{7_{2}}} \leq \mathcal{L}_{1}(T_{7_{2}}) \\ \mathcal{L}_{T_{7_{2}}} \leq \mathcal{L}_{1}(T_{7_{2}}) \end{array}$ $t q \xrightarrow{f} t q$ $\sim t s) \xrightarrow{\sim} (p d y)$ F= Dog ly (TF= Kaek Itg(+++):-) I tg+++)]. au If(++++)):- / Ly(++++)] If(+++++)):- / Ly(+++++)] May l.g-jth ull ly-th Find put ("

十一, 十一, 十一, (1) (2)A ~ 1/2 (A) -> plo(A) - plo(kg/k1) -> plo(A) - plo(kg/k1) -> plo(A) - kuner (-) - kuner (-) - kuner (-) - (+<) +7+×~)]. cu {]. (+7,+×,~)] {]. (+7,+×,~)] ~ cu First mut cop it by log - let (~ mpon remicon pr.) First mut cop it by log - let (~ mpon remicon pr.) e. 1005

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 $tsp^{r} = \{to_{1}^{r}\}$ $\begin{cases} to_{2}^{r} := \{tG_{2}^{r}, h(tG_{2})\} \\ l_{q}(to_{2}^{r}) := \{tG_{2}^{r}, h(tG_{2})\} \\ mmmmed \end{cases}$ $\mathcal{I}_{t,\mathcal{O}_{2}^{L}} := \mathcal{I}_{t}(\mathcal{I}_{c_{n}}) \xrightarrow{m_{n} \cdots m_{n}}_{l_{1} \rightarrow l_{n}}$ $\mathcal{I}_{t,\mathcal{O}_{2}^{L}} := \mathcal{I}_{t}(\mathcal{I}_{c_{n}}) \xrightarrow{m_{n} \cdots m_{n}}_{l_{1} \rightarrow l_{n}}$ $\mathcal{I}_{t} \xrightarrow{f_{n}}_{u} := \mathcal{I}_{u}(\mathcal{I}_{c_{n}}) \xrightarrow{f_{n}}_{u}(\mathcal{I}_{c_{n}}) := \mathcal{I}_{u}(\mathcal{I}_{c_{n}}) := \mathcal{I}$ Ismit-orla (an Itil Htil)

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fix an inm EithTD-WEDDE THTD-0+000 $t_{T_{1}} = t_{T_{2}}, t_{T_{2}$ 5) (Fing (°5)) conic hal, logadel $\frac{1}{2} \left[\frac{1}{2} \left[\frac{1}{2} \right] - \frac{1}{2} \left[\frac{1}{2} \right] + \frac{1}{2} \left[\frac{1}{2} \left[\frac{1}{2} \right] + \frac{1}{2} \left[\frac{1}{2} \left[\frac{1}{2} \left[\frac{1}{2} \right] + \frac{1}{2} \left[\frac{1}{2} \left[$ top _____

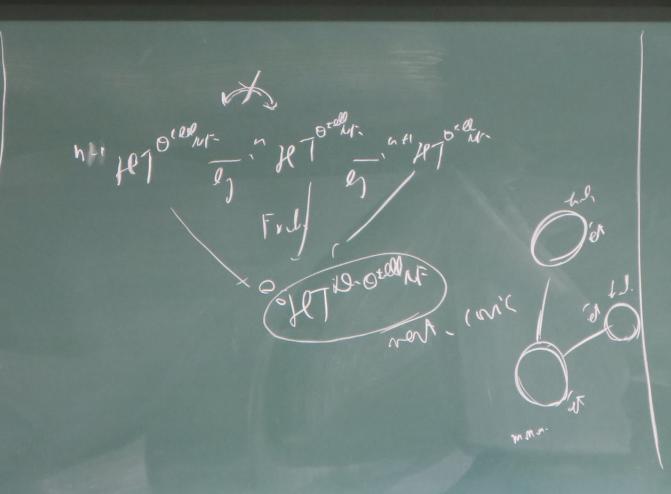
$$+ \mathcal{F} = \{\mathcal{F} + \mathcal{F}_{x}^{(m)}\} \longrightarrow \left[\mathcal{O}_{z}^{(m)} + \mathcal{O}_{z}^{(m)}\right] = \left[\mathcal{F}_{z}^{(m)}\right]$$

$$I_{somet} - orlat$$

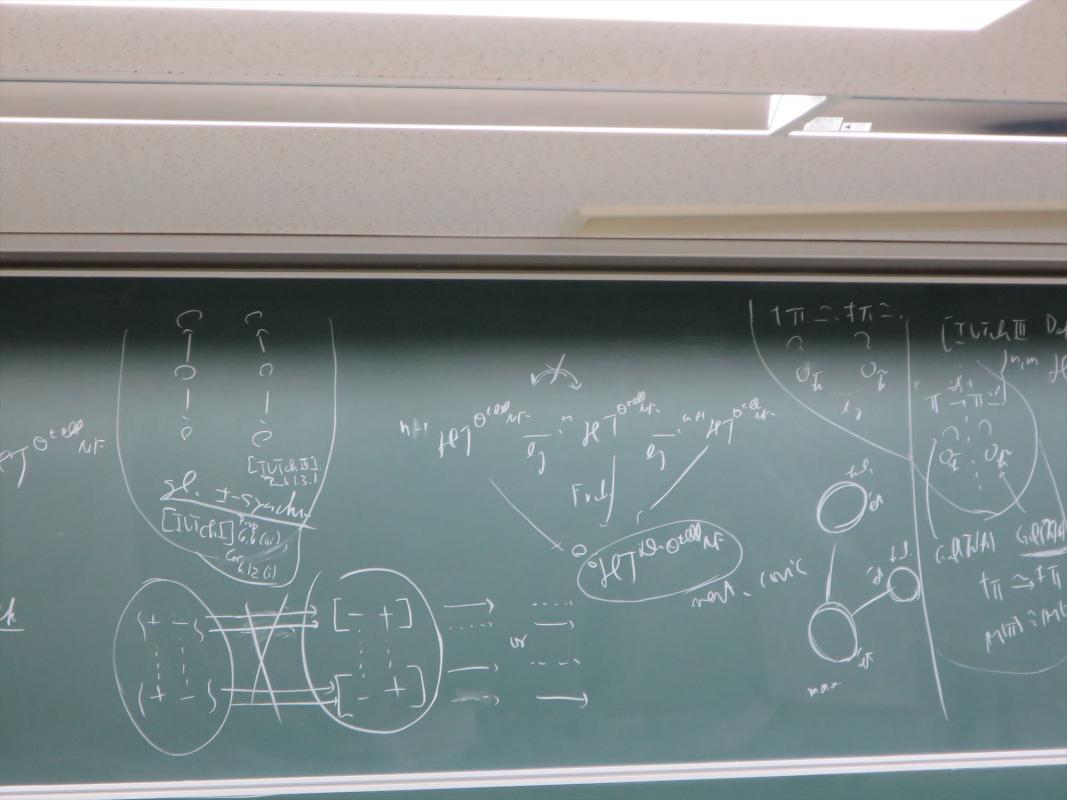
$$\left(\begin{array}{c} \mathcal{O}_{z}^{(m)} \\ \mathcal{F}_{z}^{(m)} \\ \mathcal$$

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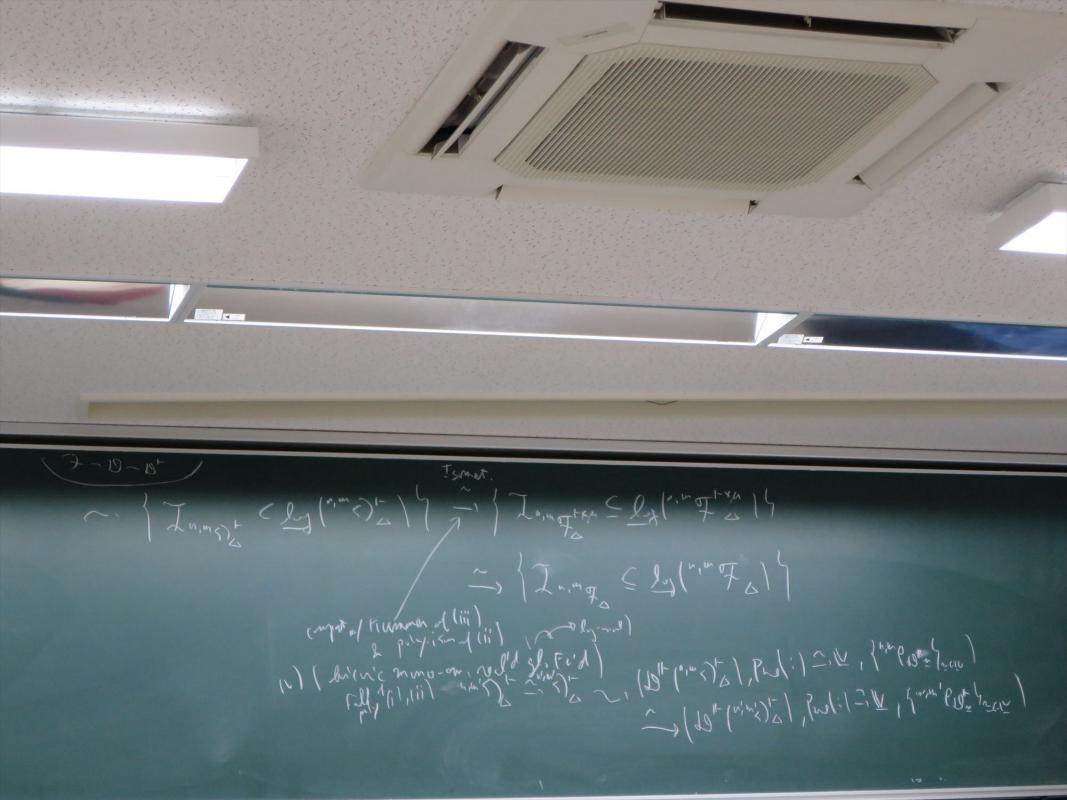
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 $- \gamma_{\Delta} | s'_{\Delta}$ (my tu/) K/m- Kumen str. (iv) (bicnic monorom, lagenhells) $\int denty = \int denty =$ 3 $\overline{f}_{(us}(n,us))_{\underline{r}}^{\times} \xrightarrow{\sim} \overline{f}_{ous}^{*}(n,us)^{\underline{r}})_{\underline{r}}^{\times}$ (iii) [bicnic Ftxp pe-sty] n,ms)_{D} : D'-pe-ty B + m s) : D- ne. My ", " 5) ~ ~ $\frac{1}{2} \operatorname{Eng}(m, n, 2), - \frac{1}{2} \operatorname{Eng}(m, n, 2) (\mathbf{e}^*)$ 11 x -25'h $\frac{1}{2} \frac{1}{2} \frac{1}$ $\mathcal{F}_{\text{ins}}^{\text{res}} = \mathcal{F}_{\text{res}}^{\text{res}} \left[\mathcal{F}_{\text{res}}^{\text{res}} \left[\mathcal{F}_{\text{res}}^{\text{res}} \right] \right] = \mathcal{F}_{\text{res}}^{\text{res}} \left[\mathcal{F}_{\text{res}}^{\text{res}} \right] = \mathcal{F}_{\text{res}}^{\text{res}} \left[\mathcal{F}_{\text{res}}^{\text{res}} \left[\mathcal{F}_{\text{res}}^{\text{res}} \right] \right] = \mathcal{F}_{\text{res}}^{\text{res}} \left[\mathcal{F}_{\text{res}}^{\text{res}} \left[\mathcal{F}_{\text{res}}^{\text{res}} \right] = \mathcal{F}_{$ Ft (""))

the the constant full poly-ison ~ (i), (ii) Kummer - The (",") - The of the ("+1," s) - 1-... The full pily full pily The (n, m) t) - - The true (n', m') t) the start for torn The full of the start (n', m') t) (to 3) the full of the start for torn (n, m) the start for the start for torn (n, m) the start for the start for the start for torn (n, m) the start for the

$$K_{WNMM} = \frac{1}{2} \left\{ S_{m}^{(M')} \left\{ S_{m}^$$

 $\left| \mathcal{I}_{\mathcal{F}_{\Delta}}^{+}(n,n,n) \right| \leq \mathcal{L}_{\mathcal{F}_{\Delta}} \left(\mathcal{F}_{\Delta}^{+}(n,n,n) \right) \right|$ $m_{pax.ul} \sim (T_{T_{x}}(u', u')) \leq l_{1}(T_{x}(u', u'))$ (max. up is signhore F(nr(+7,2), F(ng(+7,1))) Frul-lik In, m 72 5 log (", m 72) Frul-lik Lyndell

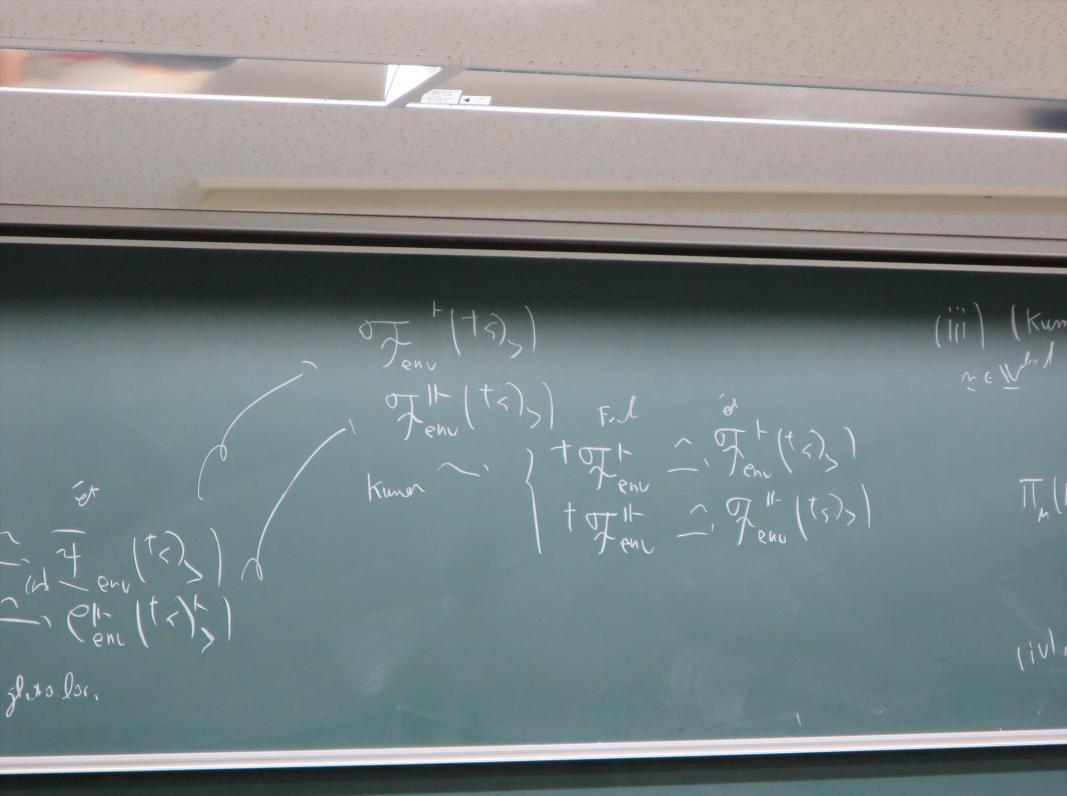


compart w/ Ros- white who ison al vent, a wirt, fall puly-ison of (ii)

12, Final Multing tial Representation rould & Fis " " HTOrolar (leda IVILI, Prip 2.1] THETOEOR vent, micity & Kumme than of G-mmonit (i) (rest, con' W-monorth) (N 1-11-15/2 Frank (5) - fololyting) 1911- (ts);, Rel-1-ik, 1911- 1261-

p ulting tial Reprosentation A. Furthurning Time full-poly 1 Lel 1 Q-monoria 4 22 (N nonih 12 7 841 Fer (5)> JOIN (1, 1, 1, 1) > 11- (ts);), enu(ts);), e(-)~i/, /P+nu;=

p in aroald fl Fil it. furtherming J (ne full-pily 2x TT 14 Frac (h, m<)>)-i J (h, m+1)) 14 Frac (h, m<)>)-i J (h, m+1)) 15 J (h, (h, m<))) (2) J (h, (h, m+1))) J (h, (h, m<))) (2) J (h, (h, m+1))) Ma ly



$$(iii) (Kurnes then st hed ten)$$

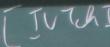
$$(iii) (Kurnes the st hed ten)$$

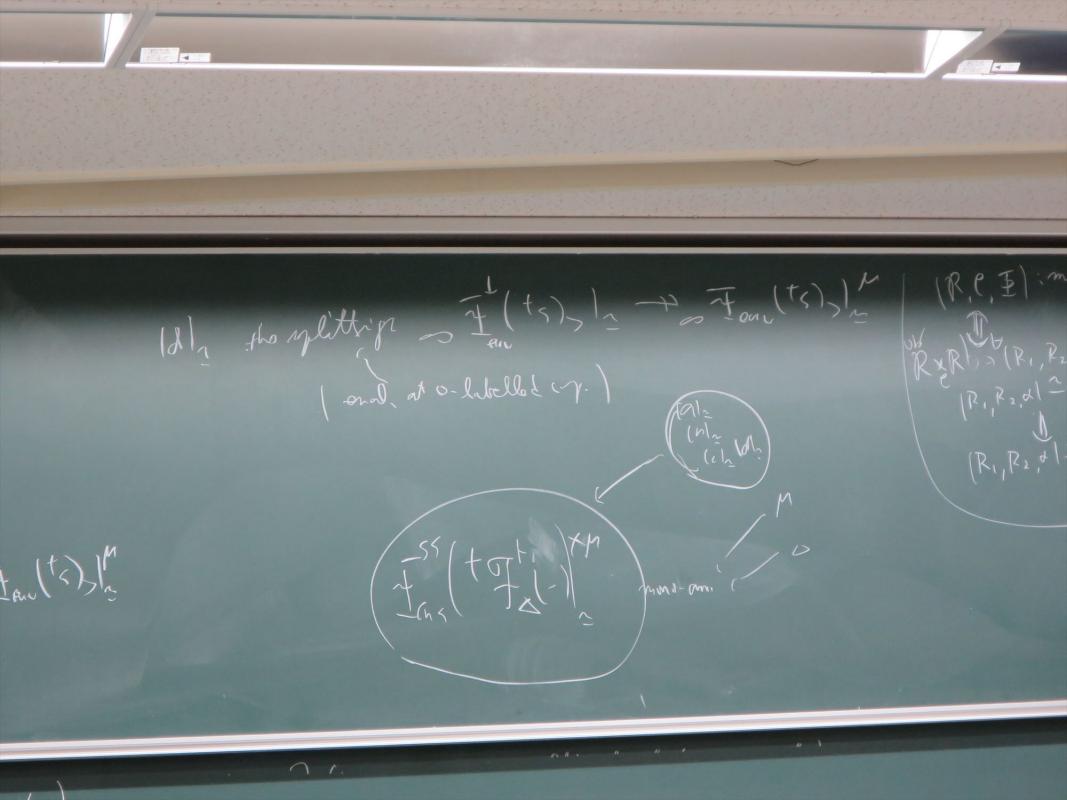
$$(iii) (Kurne$$

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rid, autom's of the following obj's the outuris of Fast The (a) ~ sten (tr) > 12 sten (tr) > 12 (b) TT (M& (+D) 100/2 relation nove, isom. ~ Jault) (c) My (10))





4 (R, C, E): mult. nod. min. [IVILIJ, Ex1.7 (iii)] $(t_{s})_{s} |_{s} \rightarrow \overline{f}_{out}(t_{s})_{s} |_{s}$ $(\mathbf{R}, \mathbf{R}, \mathbf{R$ M M J himd-min

- .1 [IUTch II, (n2.3] (Still picture of multimal, these monorily) $\frac{R \text{ nodial data}}{Vb' tSR' = (THTP-OTOMATE, Fill (TS)), tSR' (TS)), TSR'$ (c) May toRhed _, + Splich widne

0-map 2- In particulor id. automis of the following obj's in (mout w/ _SSITTH) XM

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 $\frac{nad. alim}{tsR} = (THTP-0^{+ell}NF, 0F)^{ll-}(ts), tsR^{lad}, 0F^{tsh}(ts); Tom(ts), 1-, T_{a}^{tsh}(ts); 1)$ $\begin{array}{c} sn = \left(\left(1 \right)^{T} \\ + \left(1 \right)^{T} \\ + \left(1 \right)^{T} \\ \left(1 \right)^{T} \\ + \left(1 \right)^{T} \\ +$

(+), Ftx4(+5), 1-, 72 (+52-1) TUTHI identifying (5 1002)~, 0,0(5) 4m(0,05)t - S 0 or nos ta ta

1 100 [IUTChII, P.J 2.4] 0,0 (0,05) ~, topt: = {t F_2 here 00 ~ 00 topto: = {t F_2 here 00 ~ 00 - LYMI - - I

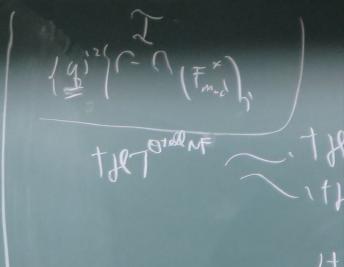
[IUTCh II, Phy 3.1] W_{Q} : - W(Q)Flace in copula (F-nenty Hack in copula (F-nenty Wo a No - log (* Fro): = D log (* F_s) Dig (A Fro): = D log (* Fro) (1-) Hans packet (n-) Homs packet Lag (* Fro) QC) for of Gaera in - capalo of F-ne-sty terror as indutre but of Ay, nochlas

 $l_{0}(A, A, T_{3}) := l_{0}(A, T_{3}) \otimes \{ R \quad l_{0} \} = l_{0}(A, T_{3}) \otimes \{ R \quad l_{0} \} = l_{0}(A, T_{3})$ $\int I_{1}(A, T) = l_{0}(A, T_{3}) \otimes \{ R \quad l_{0} \} = l_{0}(A, T_{3})$ $\int I_{1}(A, T) = l_{0}(A, T_{3}) \otimes \{ R \quad l_{0} \} = l_{0}(A, T_{3})$ $\int I_{1}(A, T) = l_{0}(A, T_{3}) \otimes \{ R \quad l_{0} \} = l_{0}(A, T_{3}) \otimes \{ R \quad l_{0} \} = l_{0}(A, T_{3})$ L-j(+72) & nondized neight Wo 226 - ly (29 20) := 0 - Ly(1 D'm):=0 × ([M.: ([...,]]~) log (MA Dho) les

 $\sum_{n} \otimes \left\{ \bigotimes_{B \in Alkay} b_{\partial} \right\} \left\{ \bigotimes_{T \to 0} \right\} \left\{ \sum_{n} \left(A \neq_{n} \right) \right\}$ $(IU(AU, Hphic)) = \bigoplus (J) (J B_{2}^{+})$ $W_{0} \rightarrow 0 - J_{0} (J D_{0}^{+}) = \bigoplus (J) (J B_{2}^{+})$ $(J D_{0}^{+}) = \bigoplus (J D_{0}^{+}) (J D_{0}^{+})$ $\int (J D_{0}^{+}) = \bigoplus (J D_{0}^{+}) (J D_{0}^{+})$ $\int (J D_{0}^{+}) (J D_{0}^{+}) (J D_{0}^{+}) (J D_{0}^{+})$ $\int (J D_{0}^{+}) (J D_{0}^{+}) (J D_{0}^{+}) (J D_{0}^{+}) (J D_{0}^{+})$ eght per so

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ETHICK TO Phy 3.1

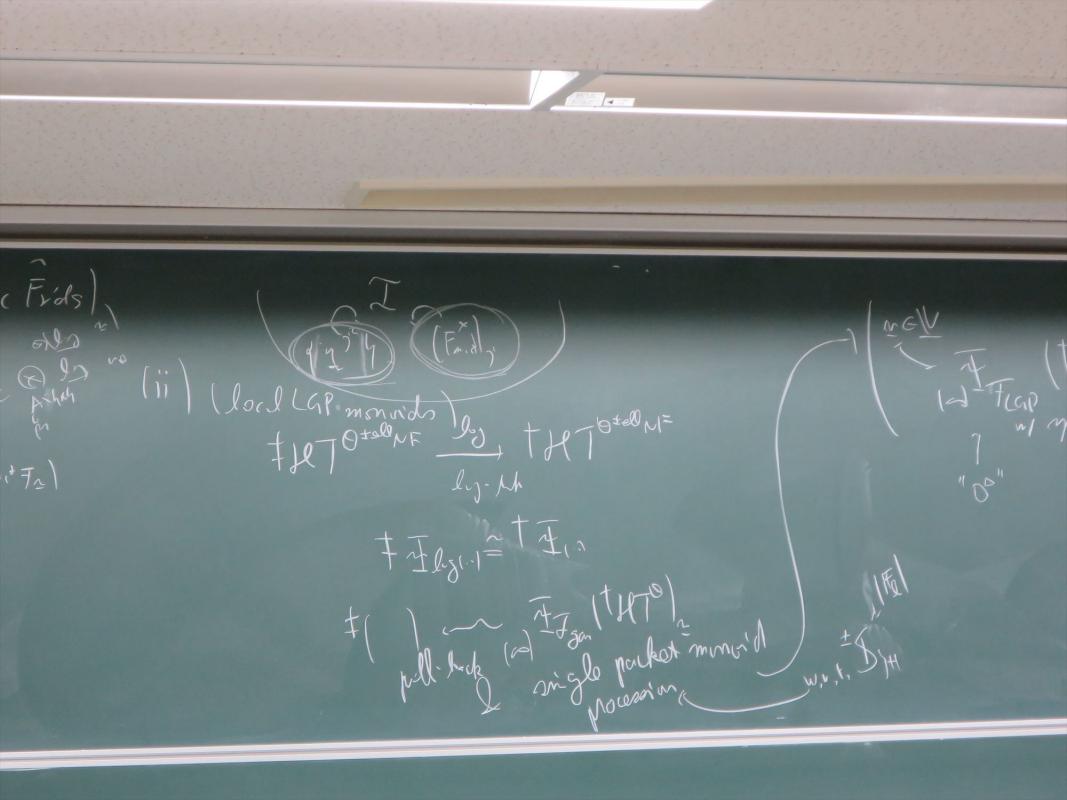


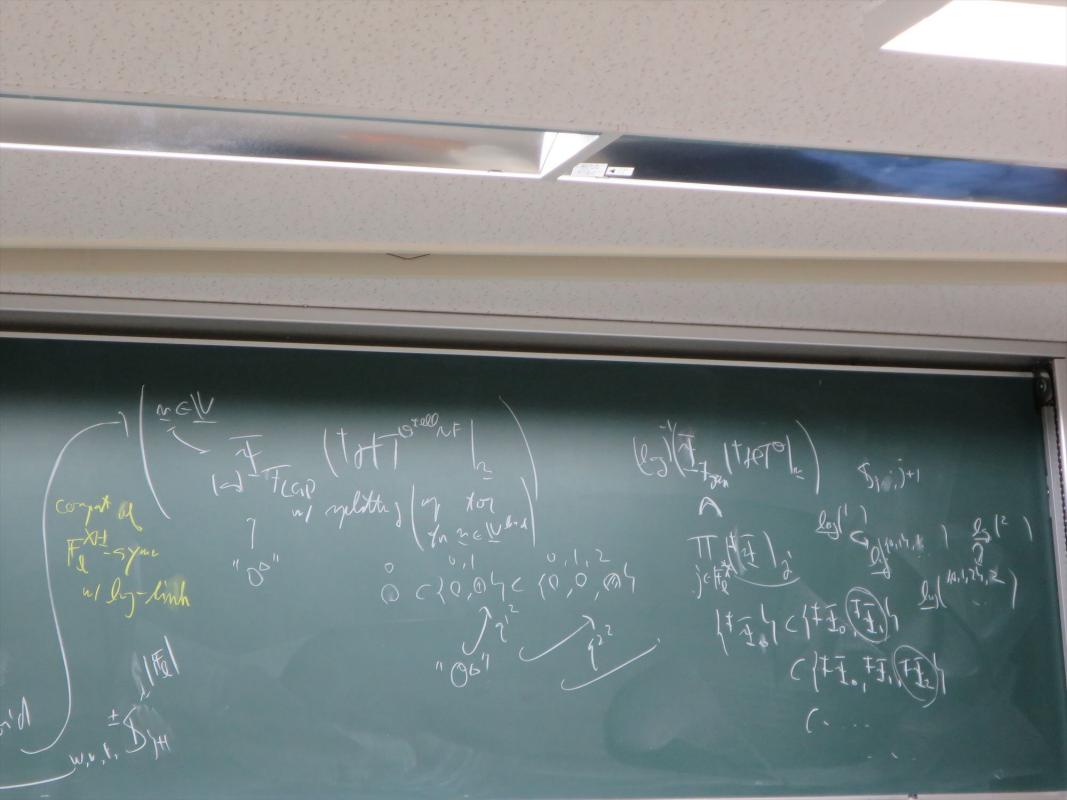
 $\left(\mathcal{F}_{m_{cd}}^{\times} \right)$ JEA THE BLOCKE . THETOME to times Rolyi (times 17270rel $\mathcal{D}_{\mathcal{X}}^{k}$ ACJ 10 Fldes hi-Hal ACJ 10 Fldes h-copulad Flora A-pur-dhip $(t \tilde{M})$ $\mathcal{B}(\underline{C}_{\kappa})^{\circ}$ a = 1 = 0 = 1 = 7

Jos do Fait Fx (the mode) A J Ly (A Five obter taking Find to inversely , a TJP704F-17270200 Attiget hi-lal 107 Jos h-copulad 107 Joe h-copulad 7. pu-strip

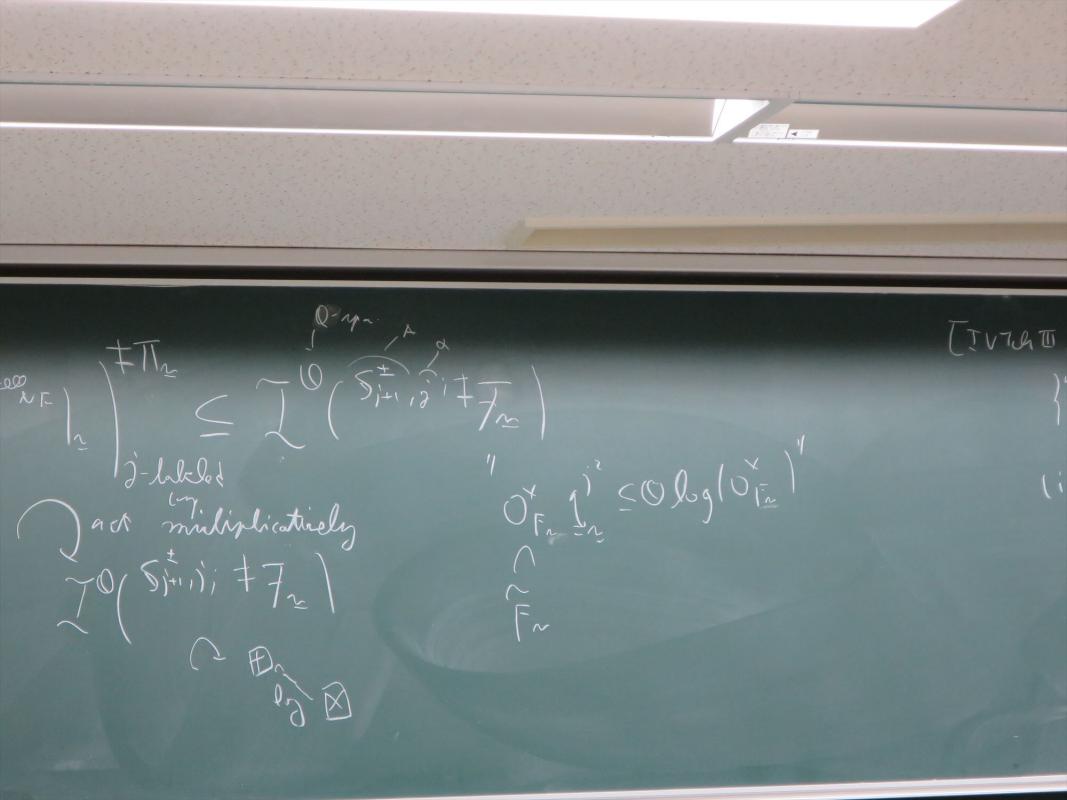
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[JUTCH II, Pup3,4] Back Packet thic Fids) (1) deA, rely, rocivo, relino also log (a Fm) c Ng (Aro Fn) (ii) (locl LGP) monui Otolop "On" FRJOFFA) med FRJANFFA) "On" FRJOFFA) med TRJANFFA) "Rau" FRJOFFA) were rad "Rau" FRJOFFA) were rad "Rau" FRJOFFA) +





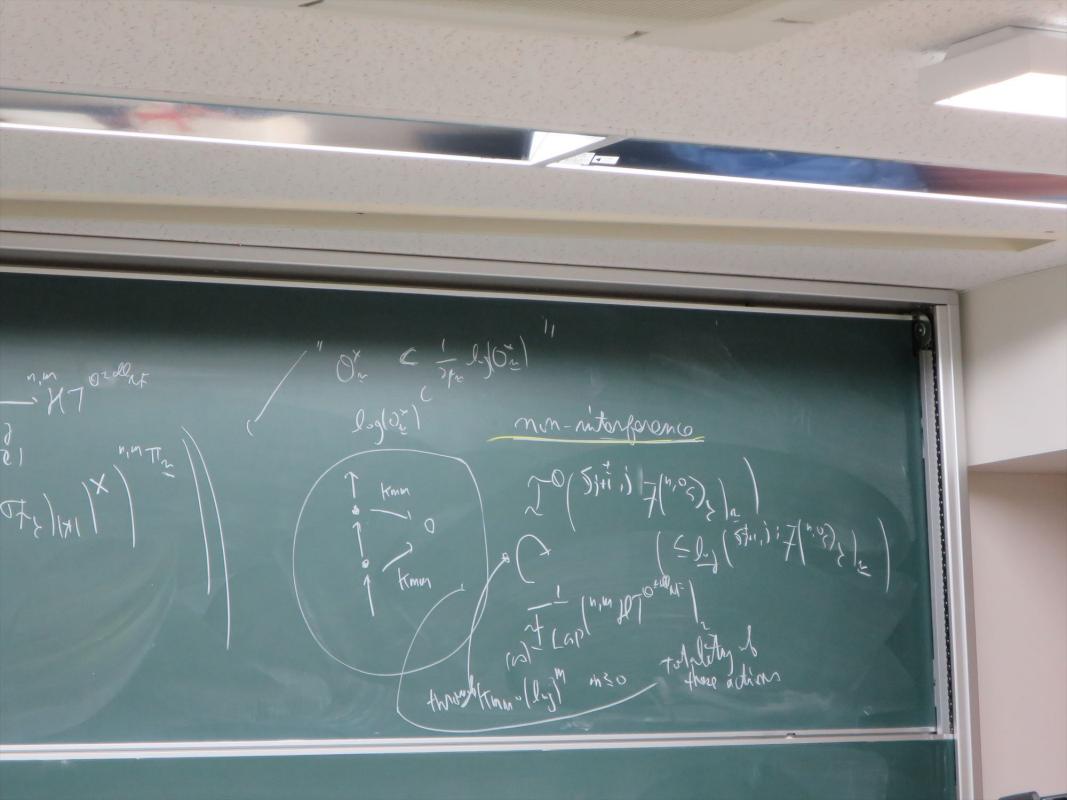
MERROL I Fran († Jetover) I Fran $\mp \Pi_{2} \leq \mathcal{I}($ jack miliplicatively 70(Sjini); 772) (PB2) PJB $S_{1+1}^{\pm} := \{0, 1, .., \}$



(i) [nert. conic los JLAP-monsish & assoc. Kummer they] $\Psi_{(ns}((0,0))) \to (0,0) \to (0,0)$ no fly 19. Otellar: Tot which (CCV - Co) I con mitting (mp to the) vertically were (local) LGP moner'd (Fg - Sylam in compart in lot ht) -

$$Kum : \overline{F}_{cus} \begin{pmatrix} u_1 m (\sigma \overline{F}_{\xi})_{\chi} & \frown & \overline{F}_{cus} \begin{pmatrix} u_1 \sigma \partial_{\xi} \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 m (\sigma \overline{F}_{\xi})_{\chi} & \frown & \overline{F}_{cus} \begin{pmatrix} u_1 \sigma \partial_{\xi} \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 m \sigma \overline{F}_{\xi} \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi 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\overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma & \sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} 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\sigma & \sigma \\ \gamma & \varphi \end{pmatrix}_{\chi} \\ \overline{F}_{cus} \begin{pmatrix} i_1 \sigma$$

(ii) (upper romi-upat.) *



[IUTCHIL, Ex3,6] $\frac{T_{m,d}}{T_{MOD}} = \frac{G_{L}}{T_{m,d}} = \frac{$ Ø Fiel T: Find - torson The Tribudionation of The try / UK- Torson (base cut = one mough) Hom elon, mough Ti - Tz (at d by T & Frz (at d by T & Frz Find-tursor ison Ti-Tz Mangelow sty Unelly, Alie On-alth of the

(ii) (upper romy'- upet. Kumi Fins ("M Filt - Fas (", or) 1* - Kummen in (il is Finh 21 lug-

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Month ielen, mongh, J, - J, Fag fe Faid Ft. J, to For Faid Ft. J, to For J, to Enell Month pair (nov, Jon dry J_2) maph - The hack - (Ha) frontial ideal - (Ha) frontial ideal - a extension - (Ha) - for the finity many n - (FJ = Ob(Thes))

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The tra / UKA-Torson dut'd by T & Fra a et ha rit. Jr. = Orra a position poul for all but finily many n ff Finil ~ fJ c Ob(Finis) Join Frid Juro mayhrat) T, 2. Tz A, m 1 On - about of tz, m

