λη Β. [['Ø|Ø+map = :Nat (Not F) PG) (Nat VV)]p + η B = > M G. [[]; F, F + V] id plans [4:= 2A. MAB = M 5. idpv TOIO-MAP . Not Ma ETTE, FLATELES = 27 B. (id Wit, F + VDp[r:=-] = M 6. ((cong 17)\*) B 5 = ( ald H 9701-1911) = >7 B. ((corry ([[]; ] x: V | X: V ] p[=-])\*)B = X7 5. [[;0|0-L=x,x:Noto vv]p \* 10 00 0

MANNET IN

Vis I-V Case

MAP® HK Note FG) (Note (Note HK)) [MAPS : Nato = [[, or + Nat B H K ] idp ITT; GHNN & HKIP ITIO - NOTE HKID (curry (IT; Ø | n: Not BHK + n: Not BHKIP) \* = (IT; ØlØrLon.n: Not (Not HK) (Not HK) Ip \*) A

mapy id = idHE case NB. ([T; Ø| Ø+ (MAPH ) (Log 2.2): Not 8 He: = F] He: = F] Ip\*) B = ) B([[];O|O L MAPEG: Not (Not of FG) (Not of He:=F] HEE:=G]) [p\*) ([[];O|O LL x.x:Not of FF]p\*) B = > B. (() T BI. [r, E, 8+H] id PLY=BI] (4:= ) A. MAB]) (cury (IIT; =, F | X: F | p[a = -][r=-])\*)| B AB. ((Am. B. IT, E, THJid (P=B)] (iderio, FIFIPEA = -IJ=-J)B = >B. (>B. [r; e, y + H] i) per= B'] [e:= >A. id [r; o, y+ Floca= All y= B'] = 16. [[: 4,7+4] idper=B][4:- 14. iden, 5,7+F]p[a=a][7=B] = AB, id Tie, & HBPLY=BJLe:= NA. [[Tio17 + FJP[a=AJ[7-B]] = NB. id P. FI-HEE = FILIPEY=BJ = > B. (cony π, \*) B 

Map H fog = map f o map H g case f: Notor GK

Let MT=Nat (Notor FG) (Notor Heigh) | g: Notor FG No. [T; Ø| Ø LL = x. ((MAPH) & f) = (((MAPH) & g) = x): Not He=F] He=KII p+B = 16. (curry ([]; > | 2: H[V:=F] + ((MAPGK) +) = ((MAPFG) g) = x): H[V:=K] P[Y=-] \*) B = No. (cury (IT; 5/2: HE= F] H(MAPH & F) + ((MAPFG) & g) = x): HE= = K] P[y= B] \* ) = \Bd. [[]; \x: H[E=F]+ ((MACGK) + )= (((MAPFG) g) = x): H[E=K] P[x=B] d = \Bd. ([T; &|x: H[e==] + (MAPGK) f: Nat FH[e===] H[e==K]] p[y==B] d)

([T; \forall | 2: H[e===] + ((MAPHG) g) \forall \forall | 2: H[e====] d) = NB d. (([[]; 6|x: H[e:=F] + MAP, : MT] p[x=B] d) ([[]; 6|x: H[e:=F] + f: Nata G G K] p[x=B] d) ([[]; 6|x: H[e:=F] + MAP, g): Nata H[e:=B] H[e:=B] d) ([[]; 6|x: H[e:=F] + M]) p[x=B] d) ([[]; 6|x: H[e:=F] + M]) p[x=B] d) = NB d, (([r, olz: H[e:=]+MAPH: MT][x=B]d) ([r; olz: H[e:=]+f: Not = GK] [x=B]d)) B ((([r; olz: H[e:=]+MAPH: MT][x=B]d) ([r; olz: H[e:=]+g: Not = FG[x=B]d)) B(d)) = Nod. () C. [[; ē, F H] idper=057=[[e:= ] A ([[i] | x H[e:= ] L F: Not of F G ] p[r=0] d] B d)

(() C. [[r; e, F H] idper=057=[] [e:= ] A. ([[i] | x H[e:= ] L g: Not of F G ] p[r=0] d] B d) = \Bd.([[r;e,z+H]idpg=ofe:= \A.([];olz:H[e;=]+f:Notaf 6 K[p[z=8] d) AB])

(([r;e,z+H]idpg=ofe:= \A.([r;olz:H[e;=]+g:Notaf FG[p[z=B] d]\_AB]) d) 

map fog = map fo map g continued (first line last line on previous page) MAP FK: Not (Not of FK) (Not He=F) = 2B. [P: Fix+H]idper=== [e:=) (III; & |x F + F: Notes G K Ip [a=C][7=D] d) = D

(III; & |x F + G: Notes F G | p[a=C][7=D] d) = D

(III; & |x F + G: Notes F G | p[a=C][7=D] d) = D

AB = ( ) n B. [r, e, +H]idp[x=0] [e=>x.n, ] (200d, [T; & |x:F+f:Note & GK]p[v=c][x=n] (Distribusion FORESTY=DIL) = ([[; o| o| MAPH ] p \*) () ([[; o| x: F + f: N+ of G k [[p[a=c] ] = D] d) = D ([[; o, x| x: F + gax x [[p[a=c] ] = D] d) = ([[]; 6|0 +MARFK]p\*) () () () d. [[]; a, f | x. F + faf (go of x) ] K [[p[a=c][x=D]] d =(IT; \$10+MAPFK]p\*) (200 (comy (IT; 0,7 |x:F+far(gora):K]p[a=c][y=D]) = (IT; olo + MAPFKJp x) ( cury (IT; o, > lxf+for(gor x): KIp[a:=-][r==-])\*) =(IT; &(Ø+MAPFK]p\*) &(IT; Ø|Ø+L = x. for (gar 2): Notar FK]p\*) = [[] OIOH(MAPH) (Lazz. fax (gax x)): Nat & HIE: = HIE: = K]]px