	$T = B \mid T \rightarrow T \mid T + T \mid T \times T$
24-1	$T_1 = T_1 \rightarrow T_Z$ [ $\forall A, T$ ] A
	staf Nums = NULL + (Num x Listof Nums)
1	= 11.1   +fix T (No modification to MorV)
La	Itw. = +fix (YA. null + (num x A))
	$+f_{ix}(\forall A, \tau) = AA, T$
	conversion relation
old	THM:TISTE THN:TI
	$\Gamma + (M V) : T_2$
neu	1: 17+M:T, 17+N:T2 T, ←> (T2>T3)
	17 + (M N) : T2
	$T_1 \leftrightarrow T_3$ $T_2 \leftrightarrow T_4$
	$T_1 \leftrightarrow T_3 \qquad T_2 \leftrightarrow T_4$ $\longleftrightarrow B \qquad (T_1 \to T_2) \longleftrightarrow (T_3 \to T_4)$
(s <sub>m</sub> )	$T_1 \leftrightarrow T_3 \qquad T_2 \leftrightarrow T_4$ $\longleftrightarrow B \qquad (T_1 \Rightarrow T_2) \longleftrightarrow (T_3 \Rightarrow T_4)$ $[A \leftarrow uA, T_1] \longleftrightarrow T_2 \qquad [I, 2, 3] = inr(I, inr(2, inr(3, inI)))$
(spa)	$T_1 \leftrightarrow T_3 \qquad T_2 \leftrightarrow T_4$ $\longleftrightarrow B \qquad (T_1 \Rightarrow T_2) \leftrightarrow (T_3 \Rightarrow T_4)$ $[1, 2, 3] = inr(1, inr(2, inr(3, inl)))$ $A, T_1 \leftrightarrow T_2 \qquad (null + (num, null + (num, null + num(")))$
(sym) 1 1 = m/1	The state of the
(sym) T 19 = null 18 Earth	The standard Table To Table To Table To Table To Table Tabl
(sym) T 19 = null 18 Earth	The state of the
(sym) T 19 = null 18 Earth	The standard of the standard
(sym) T 19 = null 18 Earth	The standard Table To Table To Table To Table To Table Tabl
Sand 1 = n/l Band	T <sub>1</sub> $\Leftrightarrow$ T <sub>3</sub> T <sub>2</sub> $\Leftrightarrow$ T <sub>4</sub> $\Leftrightarrow$ B $(T_1 \Rightarrow T_2) \Leftrightarrow (T_3 \Rightarrow T_4)$ [1, 2, 3] = inr (1, inr(2, inr(3, inl)))  A, T <sub>1</sub> $\Leftrightarrow$ T <sub>2</sub> $(nvll + (nvm, nvll + (nvm, nvll + nvm(ii)))$ length $(x^2 \text{ Listnum}) \stackrel{=}{=}$ case $x$ with $\Rightarrow$ 0; $p =$ 1 + length $(snd p)$ A, and $1 + (nvm + A)$ $\Leftrightarrow$ $(nvm, 1 + (nvm, 1 + (n$
Sand 1 = n/l Band	T <sub>1</sub> $\Leftrightarrow$ T <sub>3</sub> $\Rightarrow$ T <sub>4</sub> $\Leftrightarrow$ B $(T_1 \Rightarrow T_2) \iff$ $(T_3 \Rightarrow T_4)$ [1, 2, 3] = inr (1, inr (2, inr (3, in1)))  A. T <sub>1</sub> $\Leftrightarrow$ T <sub>2</sub> $(null + (num, null + (num, null + num (ii)))$ length $(x : Listnum) :=$ $(ase \times with \Rightarrow 0; p = 7 l + length (snd p)$ A. and $1 + (num, A)$ $\Leftrightarrow$ $(1 + (num, 1 + (num, null + num, 1 + (num, null + num, 1 + (num, null + num, null + num, 1 + (num, null + num, null + num, 1 + (num, null + num, null + num, 1 + (num, null + num, null + num, 1 + (num, null + num, nul$
Sand 1 = n/l Band	$T_{1} \leftrightarrow T_{3} \qquad T_{2} \leftrightarrow T_{4}$ $\iff B \qquad (T_{1} \Rightarrow T_{2}) \longleftrightarrow (T_{3} \Rightarrow T_{4})$ $[A \leftarrow uA, T_{1}] \longleftrightarrow T_{2} \qquad [I_{1}, Z_{1}, T_{3}] = \inf\{I, \inf\{Z, \inf\{3, \inf\{1\}\}\}\}\}$ $A, T_{1} \longleftrightarrow T_{2} \qquad (\text{null} + (\text{num}, \text{null} + (\text{num}, \text{null} + \text{num}(\cdot)))$ $length (x : Listnum) := \\ case x with \Rightarrow 0; p = 7 l + length (\text{snd } p) A. \text{and } 1 + (\text{num}, A)) \longleftrightarrow \{1 + (\text{num}, 1 + (\text{num},$

24-2/ T := 1 MAIT	
Mi= I unfolk M   fold M	200 (4 Caranga ) 4 (4
V:=   Fold V	
E != \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
E[unfolk (folk V))] > E[V]	
	Walter Schille
T+M:T[A \LAT] T+M: MAIT	
M + fold M: MA, T M+ unfold M: T[A	← uA,T]
constructors always call fold	
destrictors allways call infold	
Listnom = UA, 1+ (non	1 × A )
null:= da (fold (in false)): Listnum	
Cons := (1x: num. (1r: Listnum, fold (inn (pair x n)))	
: nom >> Listnum >> Listnum	
first := (11 Listnum.	
case (unfold 1)	
- => emor	
p = 7 fst p	

```
T = B | T > T | T+T | TxT
                   1 A VAIT / HAXT
                                                                                     \frac{1}{1++/0}/\frac{1}{1++/0}/\frac{1}{1++/0}
                                                                                                                              n+++ : 1
            T = 11.1 0 1 1
             M = , ...
                                                                                                                                                                                                       £1-20
            Vx. 0 + x = X
                 int (mt when M:0
                                                                                                                                                                                                      m=7X
                                                                                                                                                                                                  x2= if c Hen
                                                                                                             XI= if c inff infm
                                                                                                              case X. with
                                                                                                                         _ => for f
                                                                                                                                                                                                 for m
                                                                                                                       _ => for m
                    X+0 = X
                  Ixa=a=ax1
                                                                                                                           Bool = 1+1
                   0 x a = 0
          (axb)xc = ax(bxc)

The stock of the solution o
                                                                                                                        Nat = uA. 1+A
                                                                                                                                           0 = fold (in1 ++)
                                                                                                                                            1 = fold (inc (in) ++>)
d_{x}/(7x^{2}+3x+1) = 14x+3
                                                                                                                                        2 = fold (inn (inr (in) H))
                                                                                                                    L<A> = YA, ML, 1+ (A x L)
                                                                                                                   T(A) = VA, UT, A+(TxT)
            Listnum = 1 + (Num x Listnum)
                                                                                                                                     (algebraiz dadatypes)
             In Listn = In (1+(M)+xLn))
                                     = dn 1 + dn (Nx Ln))
                                                                                                                 \partial_x (A + B) = \partial_x A + \partial_x B
                                    = 0 + dn(NxLn)
                                                                                                                         dxk =0
                                      = dn (Nx Ln)
                                                                                                                        d_X(A \cdot B) = (d_X A) \cdot B + A \cdot (d_X B)
                                     = dnN×Ln + N×dnLn
                                                                                                                         Lx x = 1
                                     = 1 x Ln + N x dn Ln
            dn Ln = Ln + N × dn Ln
                                     = uk. Ln + N×L
```