FR Type/Borrow Check	
ου το	
Reemp l-value	
T ::= & int & [m+] u DT	
[m+] + * X	
_	
Partial Types undefined	
$\hat{\tau} := \tau \cdot \Box \hat{\tau} \cdot \Box \tau \cdot \Box$	

Def. 3.6. copy
$$(T) = \begin{cases} fne & T = int \text{ or } T = \&w \\ false & ow. \end{cases}$$
Def 3.7 - 3.10 I GNORE

$$\frac{\Gamma(x) = \langle \tilde{T} \rangle^m}{\langle uar \rangle} \frac{\Gamma + w : \langle \Box \tilde{T} \rangle^m}{\langle box \rangle} (box)$$

 $\frac{\Gamma(x) = \langle \tilde{\tau} \rangle^{m}}{\Gamma + x : \langle \tilde{\tau} \rangle^{m}} (var) \frac{\Gamma + w : \langle \tilde{\mu} \tilde{\tau} \rangle^{m}}{\Gamma + w : \langle \tilde{\tau} \rangle^{m}} (box) \frac{\Gamma + w : \langle \tilde{\tau} \rangle^{m}}{\Gamma + w : \langle \tilde{\chi} \tilde{\tau} \rangle^{m}} (box)$

T+w: (&[m+]u) T+u: (T) so no indefreds

T+w: (T) is a type because,

no moves behind refuness

Def 3.12-13 A path IT is seq. of "*" "+ KK*" W= + bx ... + X] same V= + xx ... + X] veriable WAV Det 3.15 (alternative) T = D....DLTJ The contained type of T is [(int | B(mt]x) the int or & (mut) under all the boxer of Trif defined 1 contained type contained (T)

Det 3.16. read ProhiLited
$$(\Gamma, w) = \Pi \times S.t.$$
 $\Gamma(x) = \langle T \rangle^m$ and contained $(T) = R_0 m t r$ and $W M V$

Det 3.17 writeProhibited $(\Gamma, w) = read Prohibited (\Gamma, w)$

or $\Pi \times S.t.$ $\Gamma(x) = \langle T \rangle^m$ and contained $\Pi \times S.t.$ and $\Pi \times M V$

where $\Pi \times S.t.$ $\Pi \times S.$

Def 3.18

move
$$(\Gamma, w) = \Gamma[x \mapsto (\tilde{T}_{n} \tilde{T}^{l}]$$
 where

 $w = \# \dots \# x$
 $\Gamma(x) = \tilde{T}_{1}$
 $T_{n} = \text{strike}(\pi, \tilde{T}_{1})$
 $\text{strike}(\xi, T) = [T]$
 $\text{strike}(\# \pi^{l}, \square \tilde{T}) = \square \tilde{T}^{l}$ where $\text{strike}(\pi, \tilde{T})$
 $\text{strike}(\# \# \pi^{l}, \square \tilde{T}) = \square \text{strike}(\# \pi, \tilde{T})$
 $\text{strike}(\# \# \pi, \square \tilde{T}) = \square \text{strike}(\# \pi, \tilde{T})$

= D Strike (E,

Det 3.19

$$mrt(\Gamma, w) = mrtable(\Gamma, \pi, \hat{\tau})$$
 where

 $w = \mu \dots + \chi$
 $\Gamma(\chi) = \langle \hat{\tau} \rangle^m$

<u>Det 3.20</u> (drop)

$$drop(\Gamma, m) = \Gamma \left\{ \begin{array}{l} 2 \times 1 \rightarrow (\Gamma)^m \in \Gamma \\ \end{array} \right\}$$
remove types with

lifetime m

{x +> (& mut y), y +> (& 2), Z +> (in+) }

