## 12peljava tipov

M ::= ....

A :: = ... \ X

8 :: = Ø | A,=A2, &

E bo morica enacs A1= A1 A1= A1 ... An= An

TFM:AIE

V katokstu [ ma Araz M tip A, pri čemer vejaje enačbe & in smo uporabili povemstre iz F.

Neformelan primer  $yt \cdot y \times \cdot t (t \times t)$ 

f:x,x: p - f: x 1 / f:x,x: B -x: B 1 /

1:α,×:β+f:α| Ø [:α,×:β+f×: \ | α=β→γ

1: «, x: B + f (fx): 6 | «= B>V, «= V>6

fix + xx. f (fx) : B > 6 | «=B > 1, a= 4 > 6

 $\varphi \vdash \lambda f. \lambda \times f(f \times): \alpha \rightarrow (\beta \rightarrow \delta) \mid \alpha = \beta \rightarrow \gamma, \alpha = \gamma \rightarrow \delta$ 

 $(\mathcal{S} \to \mathcal{S}) \to (\mathcal{S} \to \mathcal{S})$ 

×= γ → 6

X+B-X B=1= L=Q

& H> B> Y

& 1→ 5 → 5

x:x F x i a  $\frac{\langle x : \alpha \vdash x \times : \beta \rangle}{\langle x \vdash \lambda \times . \times \times : \alpha \rightarrow \beta \rangle}$   $\frac{\langle x : \alpha \vdash x \times : \beta \rangle}{\langle x \vdash \lambda \times . \times \times : \alpha \rightarrow \beta \rangle}$  cikel

 $\frac{\text{X:AET}}{\text{$\Gamma_{F}\times:A\mid\varnothing$}} \frac{\text{$\Gamma_{N}:A \vdash_{F,m}M:A\mid\Xi$}}{\text{$\Gamma_{F}\times:A\mid\varnothing$}} \frac{\text{$\Gamma_{F}M:A_{1}\mid\Xi_{1}}}{\text{$\Gamma_{F}M:A_{1}\mid\Xi$}} \frac{\text{$\Gamma_{F}M:A_{1}\mid\Xi_{1}}}{\text{$\Gamma_{F}M:A_{1}\mid\Xi_{1}}} \frac{\text{$\Gamma_{F}M:A_{1}\mid\Xi_{1}$}}{\text{$\Gamma_{F}M:A_{1}\mid\Xi_{1}$}} \frac{\text{$\Gamma_{F}M:A_{1}\mid\Xi_{1}\mid\Xi_{1}$}}{\text{$\Gamma_{F}M:A_{1}\mid\Xi_{$ 

podobno za \* in C

THE true: bool & THELSE: bool / 8

THM:AIE THM:AIE THNI:AZIEZ Trif M than No else N2: An | E, En , Ez, An=Az, A = bool

substitucije o je dolna preslikava

\( \lambda\_1 \rightarrow A\_1, \alpha\_2 \rightarrow A\_2, \ldots, \alpha\_n \rightarrow A\_n \ T :: = Ø | T, X HA Det O(A) ... A, v leateren smo vse parametre zanenjali gloke re o (int) := int 1009 =: ( lood) D  $Q(A \rightarrow B) = Q(A) \rightarrow Q(B)$ O(a):= { A (ana) ET Def  $\sigma = \mathcal{E}$  substitucija  $\sigma$  resi enačbe  $\mathcal{E}$   $\sigma = \mathcal{E}$   $\sigma$ abit = abit = itax awit = B=B x1→wt x B= x Def Engo ... o je najbolj splosne resitev & FV (x) = { x} Fv(int)=0 063 FV (biol) = 8. FV (A >B) = FV (A) UFV (B) Ø 2 Ø E, A = A 2 0 0 prosti parmotri  $\frac{\mathcal{E}_{1} A_{1} = A_{1}^{1} A_{2} = A_{2}^{1} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{3} = A_{1}^{1} \rightarrow A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{1} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{3} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{3} \sigma}{\mathcal{E}_{1} A_{2} + A_{2}^{1} \mathcal{L}_{4} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{4} \mathcal{L}_{4} \mathcal{L}_{4} \sigma}{\mathcal{E}_{1} A_{2} \sigma} \qquad \frac{\mathcal{E}_{1} A_{2} \mathcal{L}_{4} \mathcal{L}_{4} \sigma}{\mathcal{E}_{1$ ξ, Αη=Α1, Α2=Α2 ~ ~ ~  $\nabla \propto \nabla FV(A)$ in podobne to E,A=X Tranter Ce veja THM: AIE in of E, poten o(r)+M: o(A). Ce velja Erso, potem OFE. V obeh primcih rutiuske indukcija. D.N. Traiter Ce vely TFM: A, teday TFM: A'18 in obstage of E, de velge o (A1) = A. Traiter Ce velje TFE, tradej Eyo' in obstaje T", che velje T=0"00". Bo objevlje v zapiskih. Dolcaz A :: = ... | writ | empty | A+B M:=... | () | int M | inr M | mod of M with int x > N2 | mod of M with/ LHWIATO LIXIALNAIC LIXIBLNZIC C+M:A Trust Muth Wx > My livex > M2:C T+inl M: A+B T L (): wit T+M: empty T+ match M with /: C 1 Luedo