$$\begin{array}{l} M_{\text{Mary-}}(TM, V) \\ U(N; w) = M(w) \\ M = (Q, \Sigma, S, S) \\ \Sigma = \{1, 2, ..., |\Sigma|\} \\ 0 = \{1\Sigma|+1, ..., |\Sigma|+|Q|\} \\ \cdot S = |\Sigma|+1 \\ \cdot \{\leftarrow, \rightarrow, -, h, yes, no\} = \{1\Sigma|+|Q|+1, ..., |\Sigma|+|Q|+1\} \\ \cdot S :: Q \times \Gamma \rightarrow Q \times \Gamma \times \{\leftarrow (\rightarrow)\} \\ \cong \{(C, S), (P, O', D)) \mid \forall v, S, P, O', D, S(P, S) = (P, S, D)\} \\ = \{(M, w) \mid \forall M \in M, w \in L, M(w) = 1\} \\ \text{Issue} \quad H(w) = \{1; \forall w \in L, M(w) = 1\} \\ \text{Issue} \quad H(w) = \{1; \forall w \in L, M(w) = 1\} \\ \text{Construct} \quad D(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid \forall M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid M \in M\} \\ \text{Construct} \quad Q(w) = \{1; \forall w \in L, M(w) \mid M \in M\} \\ \text{Cons$$

T~ 0, Asse DEM To Q -Asse <0, <0>> EL => D(<0>)=1 but D((0>) = 7H((0,(0>>)) $\langle D, \langle D \rangle \not\in [] \Rightarrow D(\langle D \rangle) \neq [$ Asme > (D: 1L → {0,1}) → D(<D>)=0 bue D(<0>) = 7 H(<0,<0>>)) =0 Contradiction by hoharion as a him classifur over Il