head-set : $e \rightarrow$ h

head-set⟦ε⟧   = '()

head-set⟦*natural*⟧ = '()

head-set⟦(• e_1 e_2)⟧ = (append head-set⟦e_1⟧
                              head-set⟦e_2⟧)

 where $\rightarrow$⟦($\varnothing$ e_1), Z⟧

head-set⟦(• e_1 e_2)⟧ = head-set⟦e_1⟧

head-set⟦(/ e_1 e_2)⟧ = (append head-set⟦e_1⟧
                              head-set⟦e_2⟧)

head-set⟦(* e)⟧   = head-set⟦e⟧

head-set⟦(! e)⟧   = head-set⟦e⟧