$$\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{\text{first}=\text{fun } m\,b\,x \to \ldots}\,(GD)}{\text{first} \Rightarrow \text{fun } m\,b\,x \to (m\,b) :: x} \quad \dfrac{\dfrac{\dfrac{}{2 \Rightarrow 2}\quad \dfrac{}{1 \Rightarrow 1}\quad \dfrac{}{2+1 \Rightarrow 3}\,(OP)}{(\text{fun } x \to x+1) \Rightarrow (\text{fun } x \to x+1)\quad 2 \Rightarrow 2\quad 2+1 \Rightarrow 3}\,(App)}{[1] \Rightarrow [1]\quad ((\text{fun } x \to x+1)\,2) \Rightarrow 3}\,(List)}{((\text{fun } x \to x+1)\,2) :: [1] \Rightarrow 3 :: [1]}\,(App')}{\text{first}\ (\text{fun } x \to x+1)\,2\,[1] \Rightarrow 3 :: [1]}$$

$$\text{first}\ (\text{fun } x \to x+1)\,2\,[1] = 3 :: [1]$$