להלן גזירה עם כלל App שמדגימה $dynamic\,scoping$.

$$\dfrac{\dfrac{}{\vdash 1 \Rightarrow 1}\,Constant \quad \dfrac{\dfrac{}{(x:1)::[] \vdash fun\,y \to x \Rightarrow fun\,y \to x}\,Constant \quad \dfrac{\dfrac{}{(f:fun\,y \to x)::(x:1)::[] \vdash 2 \Rightarrow 2}\,Constant \quad (*)}{(f:fun\,y \to x)::(x:1)::[] \vdash let\,x\ = 2\,in\,f\,0 \Rightarrow 2}\,Let}{(x:1)::[] \vdash let\,f = fun\,y \to x\,in\,let\,x\ =\ 2\,in\,f\,0 \Rightarrow 2}\,Let}{\vdash let\,x = 1\,in\,let\,f = fun\,y \to x\,in\,let\,x = 2\,in\,f\,0 \Rightarrow 2}\,Let$$

ההגדרה של $(*)$:

$$\dfrac{\dfrac{}{(x:2)::(f:fun\,y \to x)::(x:1)::[] \vdash f \Rightarrow fun\,y \to x}\,Constant \quad \dfrac{}{(x:2)::(f:fun\,y \to x)::(x:1)::[] \vdash 0 \Rightarrow 0}\,Constant \quad \dfrac{}{(y:0)::(x:2)::(f:fun\,y \to x)::(x:1)::[] \vdash x \Rightarrow 2}\,Var}{(x:2)::(f:fun\,y \to x)::(x:1)::[] \vdash f\,0 \Rightarrow 2}\,App$$

להלן גזירה שמשתמשת בכלל $App1$ שמדגים $static-scoping$:

$$\dfrac{\dfrac{}{[] \vdash 1 \Rightarrow 1}\,Co \quad \dfrac{\dfrac{}{(x:1) :: [] \vdash fun\, y \to x \Rightarrow \langle (x:1) :: [] \,, fun\, y \to x \rangle}\,Fun1 \quad \dfrac{\dfrac{}{(f : \langle (x:1) :: [] \,, fun\, y \to x \rangle) :: (x:1) :: [] \vdash 2 \Rightarrow 2}\,Co \;\; (*)}{(f : \langle (x:1) :: [] \,, fun\, y \to x \rangle) :: (x:1) :: [] \vdash (let\, x\, =\, 2\, in\, (f\, 0)) \Rightarrow 1}\,Let}{(x:1) :: [] \vdash (let\, f\, =\, fun\, y \to x\, in\, (let\, x\, =\, 2\, in\, (f\, 0))) \Rightarrow 1}\,Let}{[] \vdash let\, x = 1\, in\, (let\, f\, =\, fun\, y \to x\, in\, (let\, x\, =\, 2\, in\, (f\, 0))) \Rightarrow 1}\,Let$$

ההגדרה של $(*)$:

$$\dfrac{(**) \quad \dfrac{}{(x:2) :: (f : \langle (x:1) :: [] \,, fun\, y \to x \rangle) :: (x:1) :: [] \vdash 0 \Rightarrow 0}\,Co \quad \vdash \quad \dfrac{}{(y:0) :: (x:1) :: [] \vdash x \Rightarrow 1}\,Var}{(x:2) :: (f : \langle (x:1) :: [] \,, fun\, y \to x \rangle) :: (x:1) :: [] \vdash f\, 0 \Rightarrow 1}\,App1$$

ההגדרה של $(**)$:

$$\dfrac{}{(x:2) :: (f : \langle (x:1) :: [] \,, fun\, y \to x \rangle) :: (x:1) :: [] \vdash f \Rightarrow \langle (x:1) :: [] \,, fun\, y \to x \rangle}\,Var$$

להלן גזירה עבור תכנית רקורסיבית.
נסמן:

1. ב- e את הביטוי $if\, x \leq 1\, then\, 1\, else\, x * f\,(x-1)$
2. ב-E' את $(f : \langle E', (fun\, x \to e)\rangle) :: []$
3. ב-E'' את $(x : 2) :: E'$

$$\dfrac{\dfrac{\dfrac{}{E' \vdash f \Rightarrow \langle E', \langle fun\, x \to e\rangle\rangle}Var \quad \dfrac{}{E' \vdash 2 \Rightarrow 2}Co \quad (*)}{E' \vdash f\, 2 \Rightarrow 2}App1}{[] \vdash let\, rec\, f\, x\, =\, e\, in\, (f\ 2) \Rightarrow 2}Letrec$$

ההגדרה של $(*)$:

$$\dfrac{\dfrac{}{E'' \vdash x \leq 1 \Rightarrow false}LEQ1 \quad \dfrac{\dfrac{}{E'' \vdash x \Rightarrow 2}Var \quad (**) \quad \dfrac{}{1 \cdot 2 = 2}}{E'' \vdash x \cdot f\,(x-1) \Rightarrow 2}TIMES}{E'' \vdash e \Rightarrow 2}Cond2$$

ההגדרה של $(**)$:

$$\dfrac{\dfrac{}{E'' \vdash f \Rightarrow \langle E', fun\, x \to e\rangle}Var \quad \dfrac{\dfrac{}{E'' \vdash x \Rightarrow 2}Var \quad \dfrac{}{E'' \vdash 1 \Rightarrow 1}Cons \quad \dfrac{}{2-1 \Rightarrow 1}}{E'' \vdash x-1 \Rightarrow 1}MINUS \quad \dfrac{\dfrac{\dfrac{}{(x:1) :: E' \vdash x \Rightarrow 1} \quad \dfrac{}{(x:1) :: E' \vdash 1 \Rightarrow 1} \quad \dfrac{}{1 \leq 1}}{(x:1) :: E' \vdash if\, x \leq 1 \Rightarrow true}LEQ1 \quad \dfrac{}{(x:1) :: E' \vdash 1 \Rightarrow 1}Cons}{(x:1) :: E' \vdash e \Rightarrow 1}Cond1}{E'' \vdash f\,(x-1) \Rightarrow 1}App1$$