

$\textcircled{1} \quad (\text{fun } (f \ x \ y) \ e)$ $\textcircled{2} \quad (\text{fun } (f \ (x : T_x)(y : T_y)) \ e)$
 $[x : A][y : A]e : T$ $(\text{fun } (f \ (x : \text{Bool})(y : \text{Num}))$
 Billions of $(f \ 3 \ 4)$
 LOC un-annotated can only compile with
 These don't TC all tc turned off

$f_{\text{-notc}}$
 full un-ann func

$f :$ check + don't compile
 mov r12, f.d.fas-d
 ... more args ...
 call compile-me
 jmp rax

fn compile-me (f.a : int, x : 16^4, y : 16^4)
 let (def.b1) = get-fun(f.ad)
 let env = calc-env(def, x, y)
 let tdf = tc-def(def, env)
 let fastf = compile-def(def)
 int64-to-asm(GLOBAL-OPs, fastf)
 return ... label fast ...

