25 August 2023 16:18 \* Add 2 number - Type Injerence: (2): 24 [19] -[5] return ((1) x y): a6 [4]  $\frac{\Gamma(x)=1}{x:as}[5] = \frac{y\cdot as}{y\cdot as} = \frac{(s)}{return((s) \times y):as}$   $\frac{\Gamma(x)=1}{x:as}[5] = \frac{y\cdot as}{x} = \frac{(s)}{x} = \frac{(s)}{x}$ add 1: azo - [A] add 12: 219 [86].. Dx by return((+) x y): a1 TUfadd: aif + (:=) n (add 12): a14 let add = A) L by schwn (4) x y) in (=) n (add 12): ao - Type Constraints: 1: ao ≈ ain s: as ≈ dx 4: ay ≈ as → a6 2: a1 ≈ a3 → a4 5: a5 ≈ dy 6: a7 ≈ a9 + a6 7: a2 ≈ a9 + a9 1: a10 = a11 - ag 9: an = a12 -> a10 10: an = In+ - In+ Int M: a12 = dx 12: as ≈ dy 13: a15 = a19 - a14 14: a16 = a17 + a15 15: a16 = a17 - a17 - Unit 16: a17 = dn 17: a10 = a23 → a19 17: a1 = a22 → a20 19: a22 = Int 20: as = Int