

node	Rule	constraints	node	Rule	constraints	Types
1	let f	$t_1 = t_{10}$	15	Int	$t_{15} = Int$	$t_f = (bool \rightarrow bool) \rightarrow ((int \rightarrow bool) \rightarrow$
1	let f	$t_f = t_2$	16	Var	$t_{16} = t_a$	(int o bool))
2	fun g	$t_2 = t_g \rightarrow t_3$	17	Var	$t_{17} = t_b$	$t_g = bool o bool$
3	fun h	$t_3 = t_h \rightarrow t_4$	18	let s	$t_s = t_{19}$	$t_h = int o bool$
4	fun x	$t_4 = t_x \to t_5$	19	if	$t_{19} = t_{27}$	$t_x = int$
5	Appl	$t_6 = t_7 \rightarrow t_5$	19	if	$t_{19} = t_{30}$	$t_q = int \rightarrow bool$
6	Var	$t_6 = t_g$	19	if	$t_{27} = t_{30}$	$t_y = int$
7	Appl	$t_8 = t_9 \rightarrow t_7$	19	if	$t_{20} = bool$	$t_a = bool$
8	var	$t_8 = t_h$	20	Appl	$t_{21} = t_{26} \to t_{20}$	$t_b = bool$
9	var	$t_9 = t_x$	21	Appl	$t_{22} = t_{25} \to t_{21}$	$t_r = int$
10	let q	$t_{10} = t_{18}$	22	Appl	$t_{23} = t_{24} \to t_{22}$	$t_w = t_x = int$
10	let q	$t_q = t_{11}$	23	Var	$t_{23} = t_f$	$t_s = bool$
11	fun y	$t_{11} = t_y \to t_{12}$	24	Var	$t_{24} = t_p$	$t_p = t_g = bool o bool$
12	if	$t_{12} = t_{16}$	25	Var	$t_{25} = t_q$	
12	if	$t_{12} = t_{17}$	26	Var	$t_{26} = t_w$	
12	if	$t_{16} = t_{17}$	27	<=	$t_{27} = bool$	
13	<=	$t_{13} = bool$	27	<=	$t_{28} = Int$	
13	<=	$t_{14} = t_{15}$	27	<=	$t_{29} = Int$	
13	<=	$t_{14} = Int$	28	Var	$t_{28} = t_r$	
13	<=	$t_{15} = Int$	29	Int	$t_{29} = Int$	
14	Var	$t_{14} = t_y$	30	Var	$t_{30} = t_b$	