```
let
  f = proc (?x, ?y, ?z)
    if (x y) then *(z, 2)
    else z
in
  let
    g = proc (?m)
      if m then true
      else false
    k = 5
  in
    (f g true k)
```

1) $t_f = (bool \to bool) * bool * int \to int$

$t_x = bool \to bool$

$t_y = bool$

$t_z = int$

$t_g = bool \to bool$

$t_m = bool$

$t_k = int$

$t_1 = int$

2) $t_f = t_x * t_y * t_z \to t_1$

$t_g = t_m \to t_2$

$t_k = int$

3) $t_f = t_g * bool * t_k \to t_1$

$t_f = t_g * bool * int \to t_1$

$t_x = t_g$

$t_f = (bool \to bool) * bool * int \to int$

$t_m = bool$

$t_2 = bool$

4) $(x\ y)$

$t_x = t_y \to bool$

$t_x = bool \to bool$

$*(z, 2)$

$t_z * int \to int = int * int \to int$

$t_z = int$

$t_1 = int$