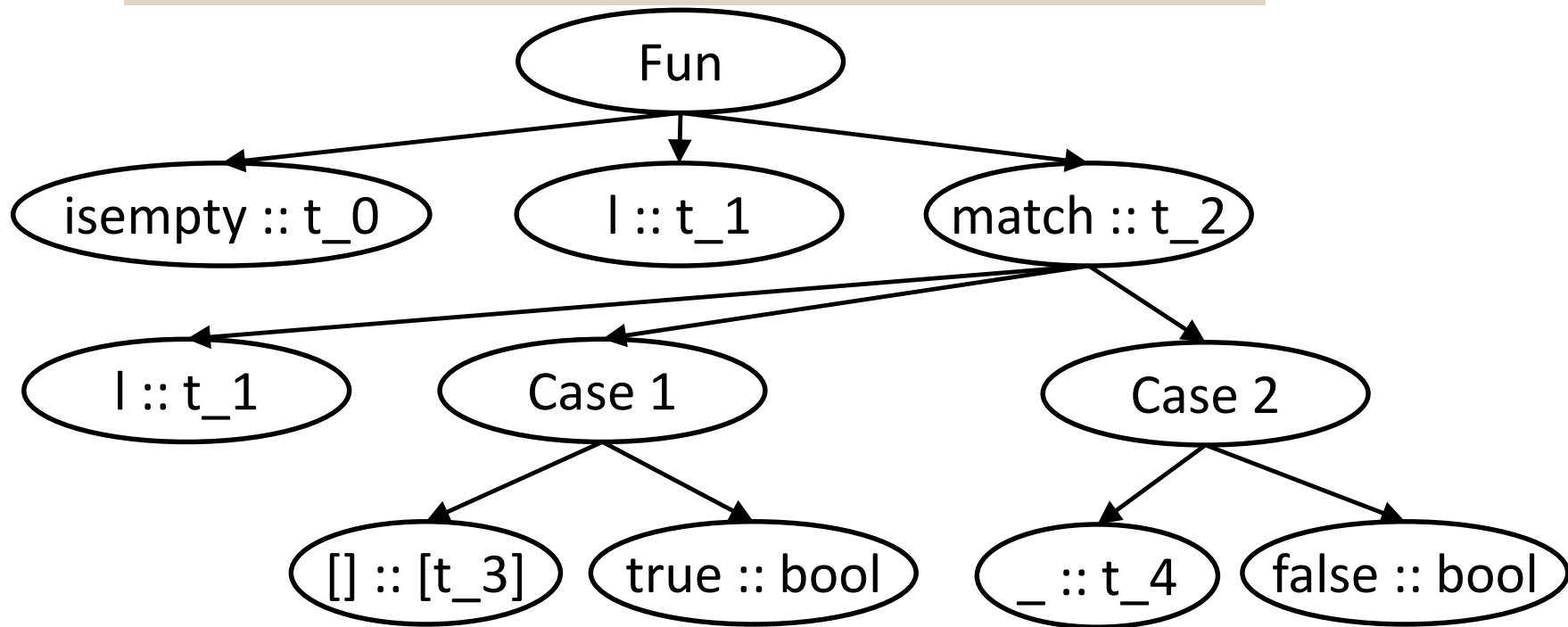


# Type Inference: Pattern Matching Example

```
let isempty l = match l with
  | [] -> true
  | _ -> false
```



Unification Constrains:

```
t_0 = t_1 -> t_2 (Fun)
t_1 = [t_3] (Case 1)
t_2 = bool (Case 1)
t_1 = t_4 (Case 2)
t_2 = bool (Case 2)
```



```
isempty :: [t_3] -> bool
```