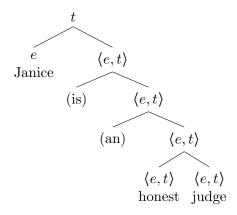
1 Practice

- 1. Are the underlined modifiers intersective or non-intersective?
 - (a) Tyra wore a blue dress solution given in class
 - (b) Fatima missed the main event solution given in class
 - (c) Twiggy is a former supermodel solution given in class
 - (d) Miss J imitated a dead horse solution given in class
- 2. Give a full lambda computation of the following sentences, including a tree annotated with types, the lexical entries, and a step-by-step computation. You can ignore tense, and you can treat to, is, and of as meaningless.
 - (a) The judge is not happy solution given in class/video
 - (b) Allison did not win the competition
 - (c) Janice is an honest judge

2. [Janice (is) (an) honest judge]



$$[Janice] = j$$

$$[honest] = \lambda x [HONEST(x)]$$

$$[judge] = \lambda y [JUDGE(y)]$$

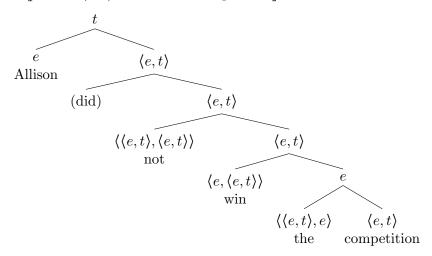
[honest judge]

- $= \lambda z[[honest](z) \& [judge](z)]$
- (via PM rule)
- $= \lambda z [\lambda x [HONEST(x)](z) \ \& \ [JUDGE](z)]$
- $= \lambda z [HONEST(z) \& [judge](z)]$
- $= \lambda z [HONEST(z) \& \lambda y [JUDGE(y)](z)]$
- $= \lambda z [HONEST(z) \& JUDGE(z)]$

[Janice (is) (an) honest judge]

- $= [[honest\ judge]]([[Janice]])$
- = [honest judge](j)
- $= \lambda z [HONEST(z) \& JUDGE(z)](j)$
- = T iff HONEST(j) & JUDGE(j)

3. [Allison (did) not win the competition]



[the] =
$$\lambda f_{\langle e,t \rangle}[\iota x[f(x)]]$$

[competition] = $\lambda y[COMPETITION(y)]$
[not] = $\lambda f_{\langle e,t \rangle}[\lambda x[\neg f(x)]]$
[win] = $\lambda y[\lambda z[WIN(z,y)]]$
[Allison] = a

[Allison (did) not win the competition]

- 1. [the competition]
 - = [the]([competition])
 - $= \lambda f_{\langle e,t\rangle}[\iota x[f(x)]]([\text{competition}])$
 - $= \iota x[[competition](x)]$
 - $= \iota x[\lambda y[COMPETITION(y)](x)]$
 - $= \iota x[COMPETITION(x)]$
 - = c
- 2. [win the competition]
 - = [win]([the competition])
 - $= [\min](c)$
 - $= \lambda y[\lambda z[WIN(z,y)]](c)$
 - $= \lambda z[WIN(z,c)]$
- 3. [not win the competition]
 - = [not]([win the competition])
 - $=\lambda f_{(e,t)}[\lambda x[\neg f(x)]](\llbracket \text{win the competition} \rrbracket)$
 - $= \lambda x [\neg [\llbracket \text{win the competition} \rrbracket(x)]]$
 - $= \lambda x \lceil \neg \lceil \lambda z \lceil WIN(z,c) \rceil (x) \rceil \rceil$
 - $= \lambda x \lceil \neg WIN(x,c) \rceil$

Optionally before this: $= \lambda x [\neg [WIN(x,c)]]$

- 4. [Allison (did) not win the competition]
 - = [not win the competition]([Allison])
 - = [not win the competition](a)
 - $= \lambda x [\neg WIN(x,c)](a)$
 - $= T \text{ iff } \neg WIN(a,c)$