

TD10 - Typed Lambda calculus

April 18, 2025

1. Translate the following English expressions into lambda notation:
 - (a) 'is a linguist'
 - (b) 'speaks French'
 - (c) 'is taller than'
2. For each sentence below, draw the syntactic tree and give the composition rules so that each fragment containing them is fully defined syntactically and compositionally.
 - (a) Sam likes Pam.
 - (b) Sam sings and runs.
 - (c) Sam and Pam sleep.
 - (d) A tabby cat meows.