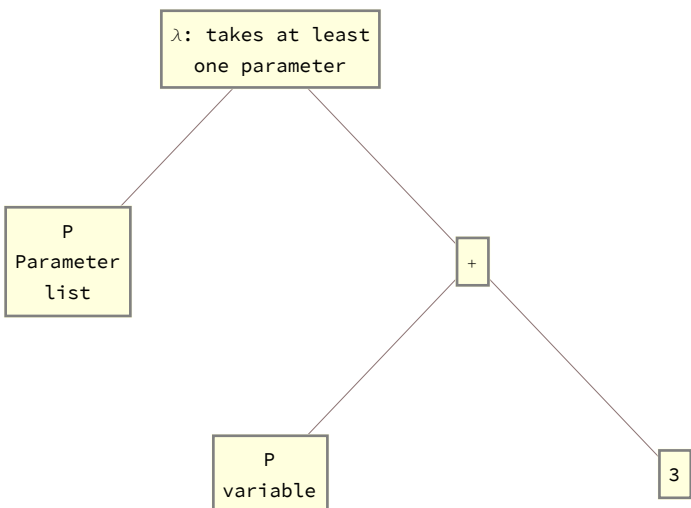


# Lambda Notation

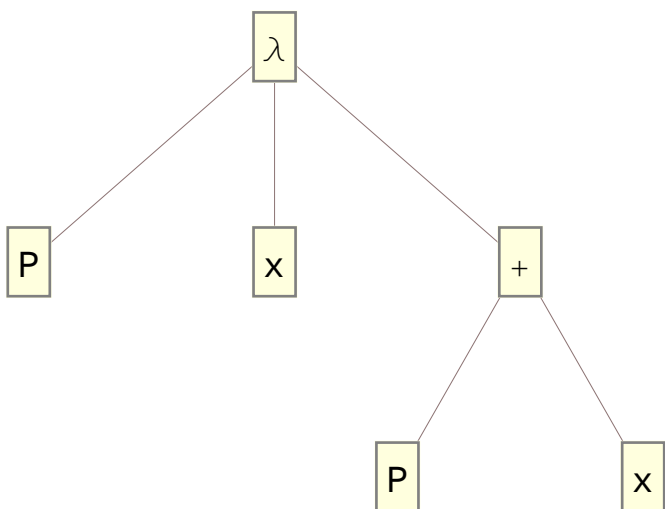
$(\lambda P. (+P 3))$

$(\underbrace{\lambda}_{\text{Takes parameters}} \underbrace{P}_{\text{Parameter names}} \underbrace{.}_{\text{End of parameter list}} \underbrace{(+P 3)}_{\text{function body}})$



$(\lambda Px. (+P x))$

$(\underbrace{\lambda}_{\text{Takes parameters}} \underbrace{Px}_{\text{Parameter names}} \underbrace{.}_{\text{End of parameter list}} \underbrace{(+P x)}_{\text{function body}})$



$(\lambda PxT. (+P (*X T)))$

$(\underbrace{\lambda}_{\text{Takes parameters}} \underbrace{PxT}_{\text{Parameter names}} \underbrace{.}_{\text{End of parameter list}} \underbrace{(+P (*X T))}_{\text{function body}})$

