

$2 * (2 + x) \implies$  (  
  type: "binary",  
  operator: "mul",  
  left: (type: "number", value: 2),  
  right: (  
    type: "binary",  
    operator: "add",  
    left: (type: "number", value: 2),  
    right: (type: "variable", name: "x"),  
  ),  
)

$2 * (2 + x) \xrightarrow{x=3} 10$