

Produce a parse tree for: -101

Given the following attribute grammar:

Production	Attribution Rules
Number -> Sign List	List.position <- 0 If Sign.negative then Number.value <- -List.value else Number.value <- List.value
Sign -> +	Sign.negative <- false
Sign -> -	Sign.negative <- true
List -> Bit	Bit.position <- List.position List.value <- Bit.value
List₀ -> List₁ Bit	List ₁ .position <- List ₀ .position + 1 Bit.position <- List ₀ .position List ₀ .value <- List ₁ .value + Bit.value
Bit -> 0	Bit.value <- 0
Bit -> 1	Bit.value <- $2^{\text{Bit.position}}$