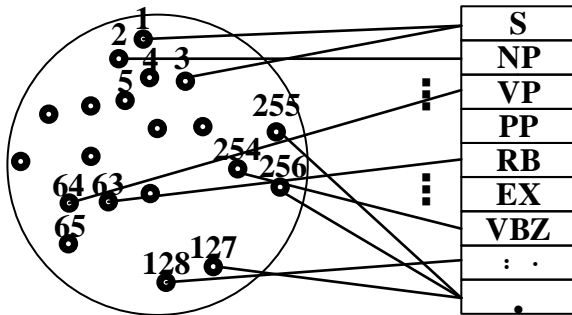**(a) Rounding Without Quantization Process**

$$\text{Rounding}(\text{EMB}_i) = 2^n + 2^m - \boxed{p} - \boxed{q}$$

Learned EMB *Syntax Tree*

(b) Rounding With Quantization Process

$$\text{Rounding}(Q(\text{EMB}_i)) = 2^{\boxed{n}} + 2^{\boxed{m}} - p - q$$

Learned EMB *Syntax Tree*