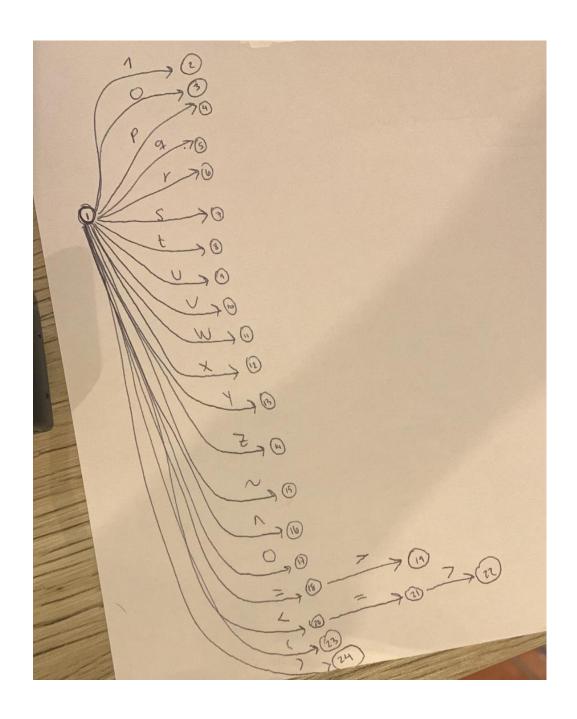
Universidad del Valle de Guatemala Lógica Matemática Sección 20 Paulo Mejía

Proyecto 3

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4. Diagrama del Autómata

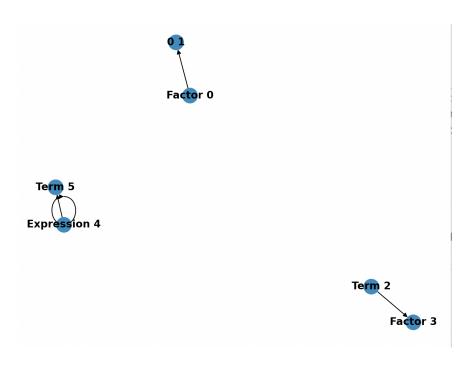
El diagrama no se puede completar debido a que no se tiene una gramática de tipo 3.



5. Producciones Gramaticales

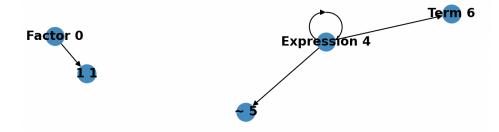
```
P = {
           expression \rightarrow expression <=> expression,
           expression \rightarrow expression => expression,
           expression \rightarrow expression V term,
           expression \rightarrow expression \land term
           expression \rightarrow ~ term,
           term \rightarrow factor,
           factor \rightarrow p,
           factor \rightarrow q,
           factor \rightarrow r,
           factor \rightarrow s,
           factor \rightarrow t,
           factor \rightarrow u,
           factor \rightarrow v,
           factor \rightarrow w,
           factor \rightarrow x,
           factor \rightarrow y,
           factor \rightarrow z,
}
```

Reconocimiento de una expresión

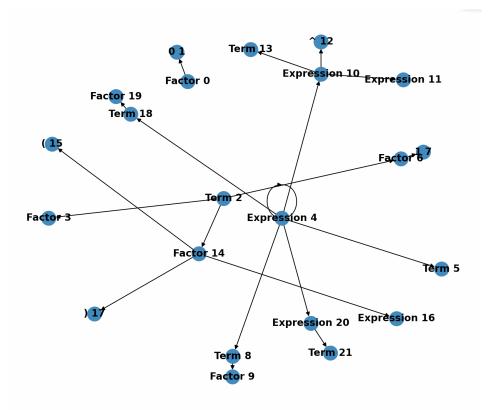




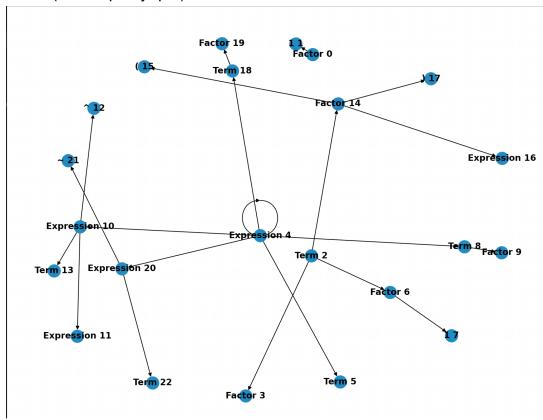




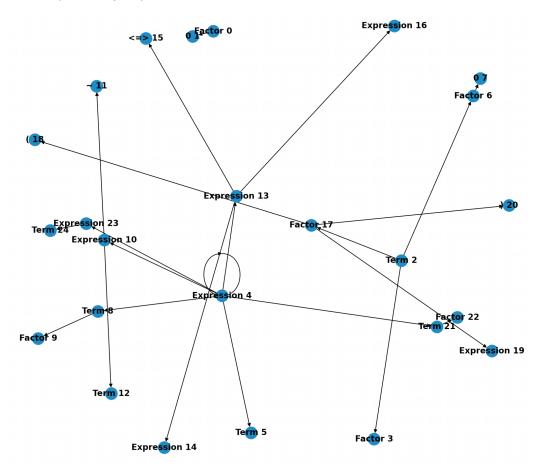
c. (p^q) (Donde p=0 y q=1)



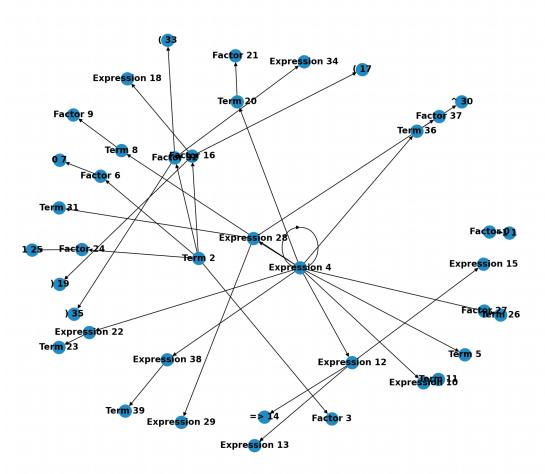
d. \sim (p^q) (Donde p=1 y q=1)



e. (p<=>~p) (Donde p=0)



f. $((p=>q)^p)$ (Donde p=1 y q=0)



g. (~(p^(qor))os) (Donde p=0, q=0, r=1, s=1)

