

$\{A, B, C\}$

$|X_n|$

$X_n = \{w(\text{palabras de } n \text{ letras}) \mid AB \notin w\}$

$$X_0 = \{\epsilon\}$$

$$X_1 = \{A, B, C\}$$

$$X_2 = \{AA, AC, BA, BR, BC, CA, CB, CC\}$$

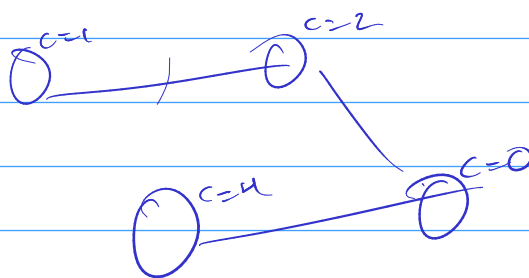
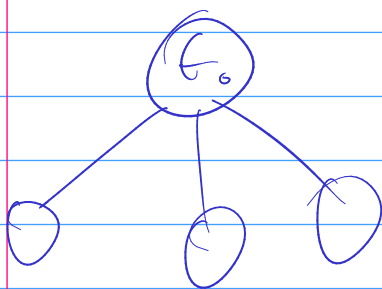
$$X_3 = \{AAA, AAB, \dots, \cancel{ADA}, \cancel{APP}, \cancel{BAA}\}$$

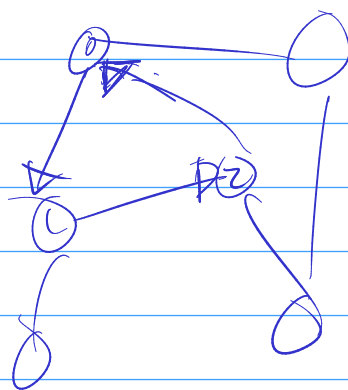
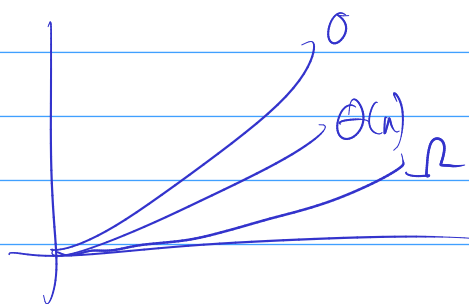
$$|X_n| = |Y_{n-1}| + |Z_{n-1}|$$

$Y_n = \{\text{que acaban en } A\}$

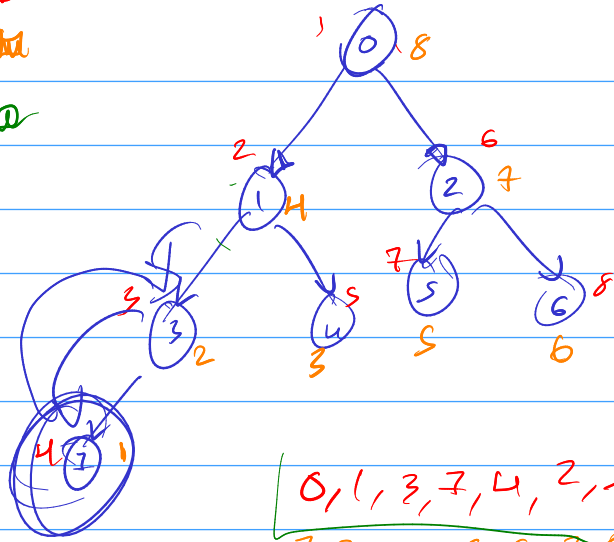
$Z_n = \{\text{que crecen con } B\}$

$$X_n = Y_n + Z_n$$





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- A hand-drawn graph with 5 nodes and 10 edges, representing a complete graph  $K_5$ . The nodes are arranged in a regular pentagon pattern, and every node is connected to every other node by a straight line edge.



0, 1, 3, 7, 4, 2, 5, 6  
7, 3, 4, 1, 5, 6, 2, 0  
0, 2, 6, 5, 1, 4, 2, 7

