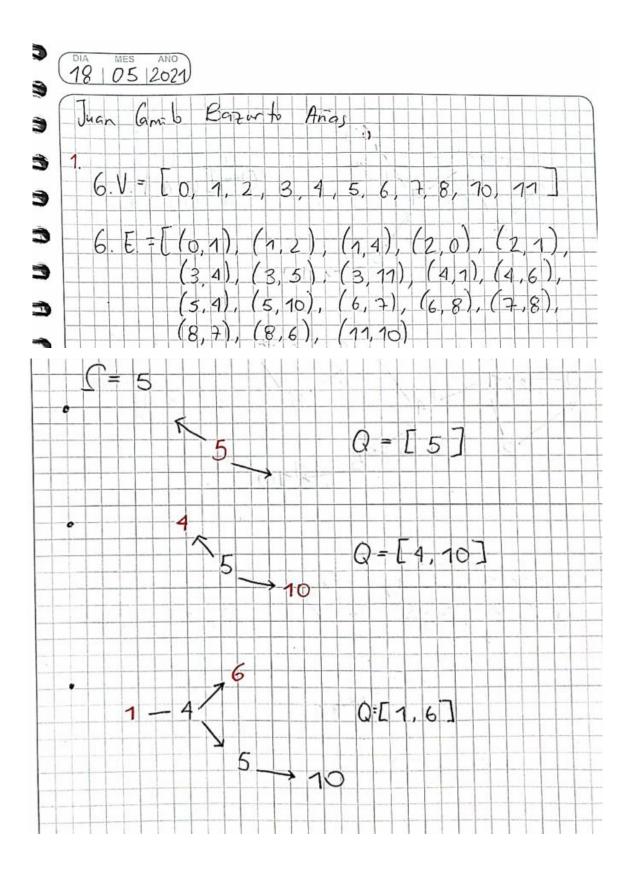
PARCIAL FINAL TEORICO

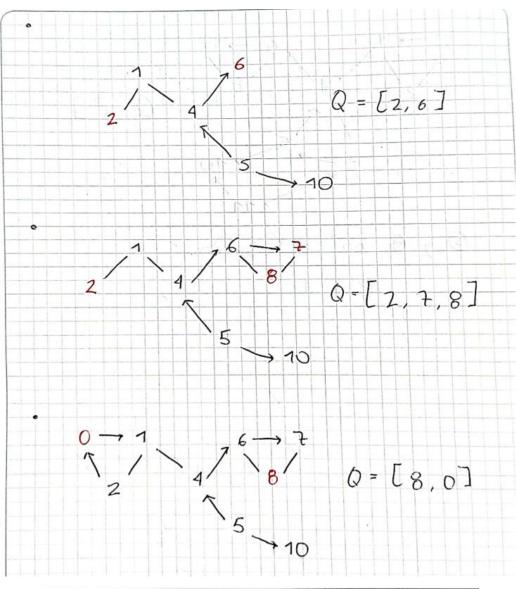
PRESENTADO POR: JUAN CAMILO BAZURTO ARIAS

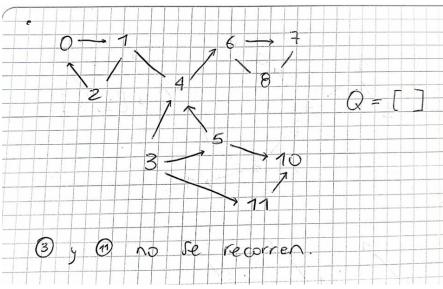
PRESENTADO A: SEBASTIAN CAMILO MARTINEZ REYES

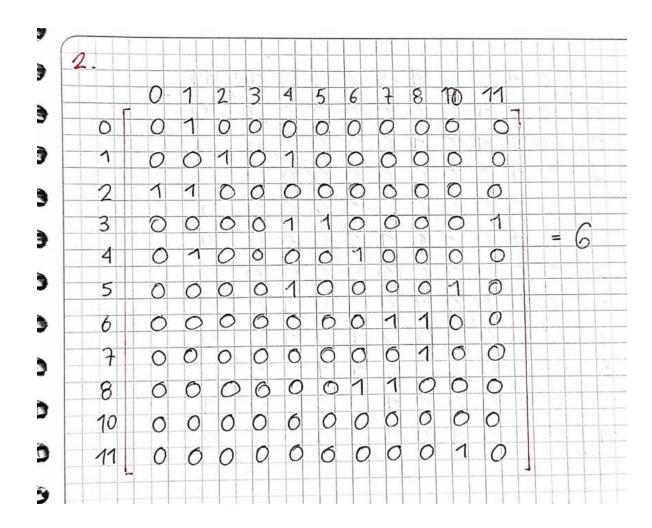
ESCUELA COLOMBIANA DE INGENIERÍA JULIO GARAVITO
ALGORITMOS Y ESTRUCTURAS DE DATOS
PROGRAMA DE INGENIERÍA DE SISTEMAS
BOGOTÁ D.C.

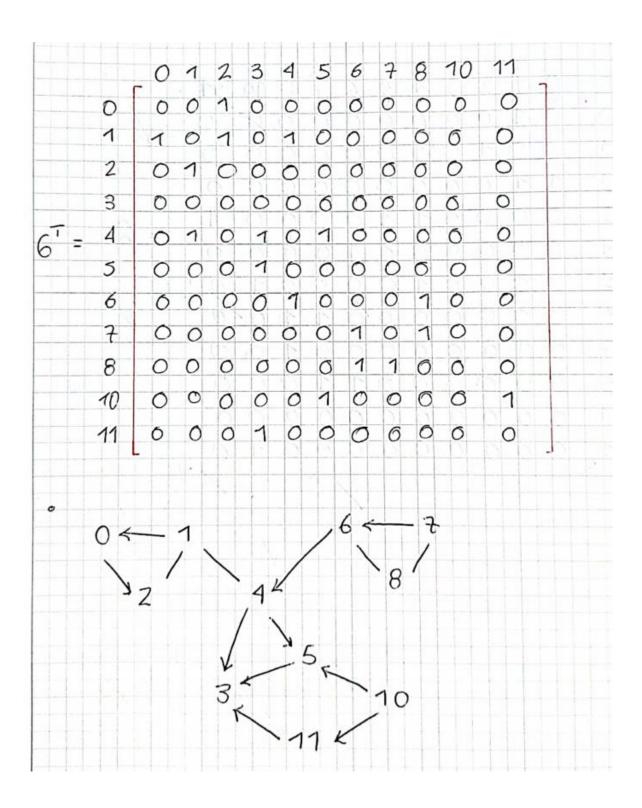
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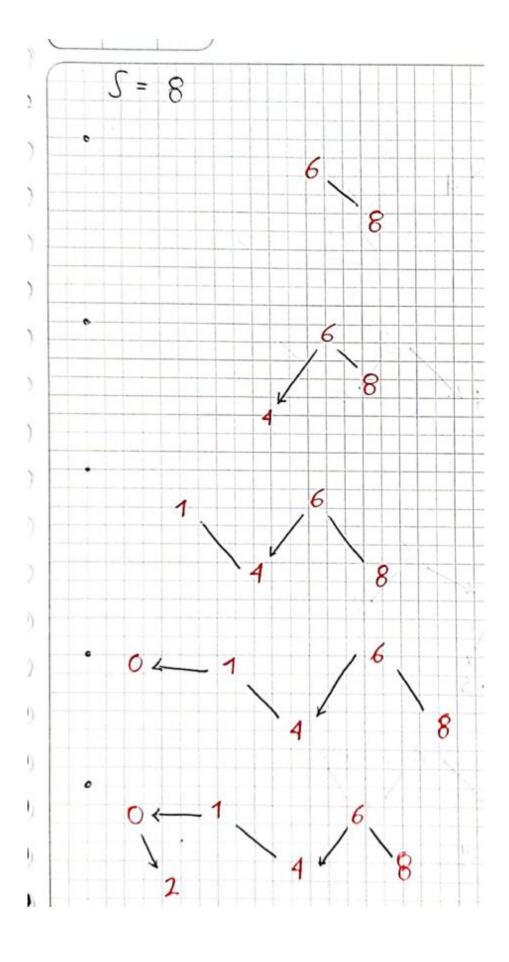


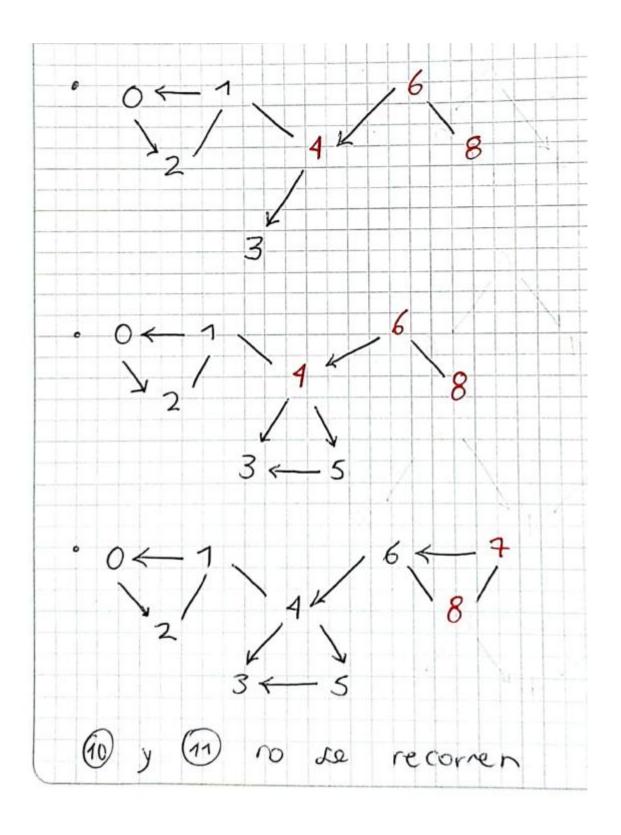












3.
$$V = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 15, 16]$$

$$17]$$

$$E = [(1, 2), (1, 17), (2, 1), (2, 17), (17, 1), (17, 2), (17, 17), (15, 16), (16, 15), (3, 4), (3, 7), (4, 3), (4, 6), (5, 6), (5, 7), (6, 4), (6, 5), (7, 3), (7, 5), (8, 9), (8, 11), (9, 10), (9, 8), (10, 9), (10, 11), (11, 8), (11, 10)]$$

- {1}{2}{3}{4}{5}{6}{7}{8}{9}{10}{11}{15}{16}{17} (15,16)
- {1}{2}{3}{4}{5}{6}{7}{8}{9}{10}{11}{15, 16}{17} (1, 17)
- {1, 17}{2}{3}{4}{5}{6}{7}{8}{9}{10}{11}{15, 16} (1, 2) (17, 2)
- {1, 2, 17}{3}{4}{5}{6}{7}{8}{9}{10}{11}{15, 16} (3, 4)
- {1, 2, 17}{3, 4}{5}{6}{7}{8}{9}{10}{11}{15, 16} (4, 6)
- {1, 2, 17}{3, 4, 6}{5}{7}{8}{9}{10}{11}{15, 16} (6, 5)
- {1, 2, 17}{3, 4, 5, 6}{7}{8}{9}{10}{11}{15, 16} (3, 7) (5, 7)
- {1, 2, 17}{3, 4, 5, 6, 7}{8}{9}{10}{11}{15, 16} (8, 9)
- {1, 2, 17}{3, 4, 5, 6, 7}{8, 9}{10}{11}{15, 16} (9, 10)
- {1, 2, 17}{3, 4, 5, 6, 7}{8, 9, 10}{11}{15, 16} (8, 11) (10, 11)
- {1, 2, 17}{3, 4, 5, 6, 7}{8, 9, 10, 11}{15, 16}

4. CAMINOS MINIMOS.

- S a T:
 - [S, Y, T]
 - Peso: 8
- S a X:
 - [S, Y, T, X]
 - Peso: 9
- S a Y:
 - [S, Y]
 - Peso: 5
- S a Z:
 - [S, Y, Z]
 - Peso: 7

5. CAMINOS MINIMOS DESDE S = 0.

- 0 a 1:
 - [0, 1]
 - Peso: 5
- 0 a 2:
 - [0, 1, 2]
 - Peso: 6
- 0 a 3:
 - [0, 1, 6, 5, 3]
 - Peso: 9
- 0 a 4:
 - [0, 1, 6, 5, 4]
 - Peso: 9

• 0 a 5:

[0, 1, 6, 5]

Peso: 7

• 0 a 6:

[0, 1, 6]

Peso: 7