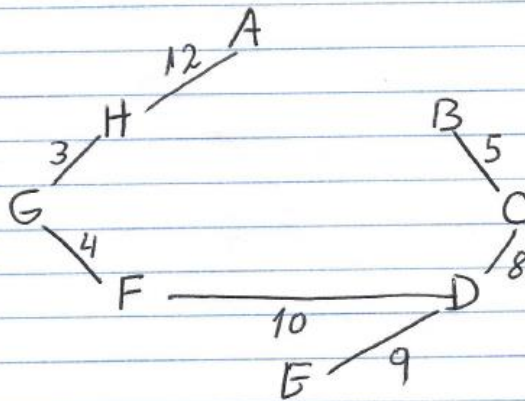


Resolução do 1º teste-Novembro 2021- turma 41

1.1) ORDENAÇÃO

G-H; G-F; B-C; F-H; C-D; D-E;  
 3 4 5 7 8 9  
 D-F; E-F; A-H; B-D; A-B; H-D;  
 10 11 12 12 15 18

B-H  
 20



TOTAL: 3+4+5+8+9+10+12 = 51

1.2.1)

A-H-G-F-D-C X NÃO DA'

12 3 4 10 8

B-C-D-E-F-G-H-A-B TOTAL: 67

5 8 9 11 4 3 12 15

C-B-D-E-F-G-H-A-~~X~~ NÃO DA'

5 12 9 11 4 3 12

D-C-B-A-H-G-F-E-D TOTAL: 67

8 5 15 12 3 4 11 9

E-D-C-B-A-H-G-F-E TOTAL: 67

9 8 5 15 12 3 4 11

F-G-H-A-B-C-D-E-F TOTAL: 67

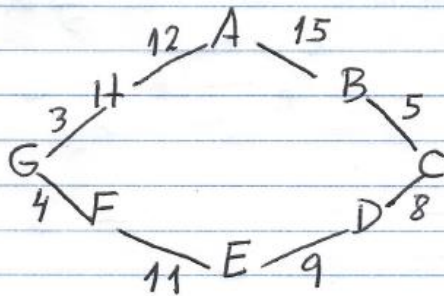
4 3 12 15 5 8 9 11

G - H - F - D - C - B - A - NÃO DÁ  
3 7 10 8 5

H - G - F - D - C - B - A NÃO DÁ  
3 4 10 8 5

As melhores soluções são as iniciadas em B, D, E, F.

1.2.2) USAMOS A ORDENAÇÃO APRESENTADA EM 1.1)



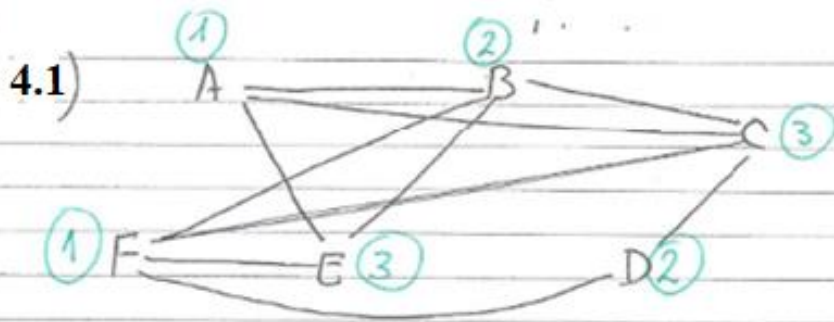
ABCDEFGHA

TOTAL: 67

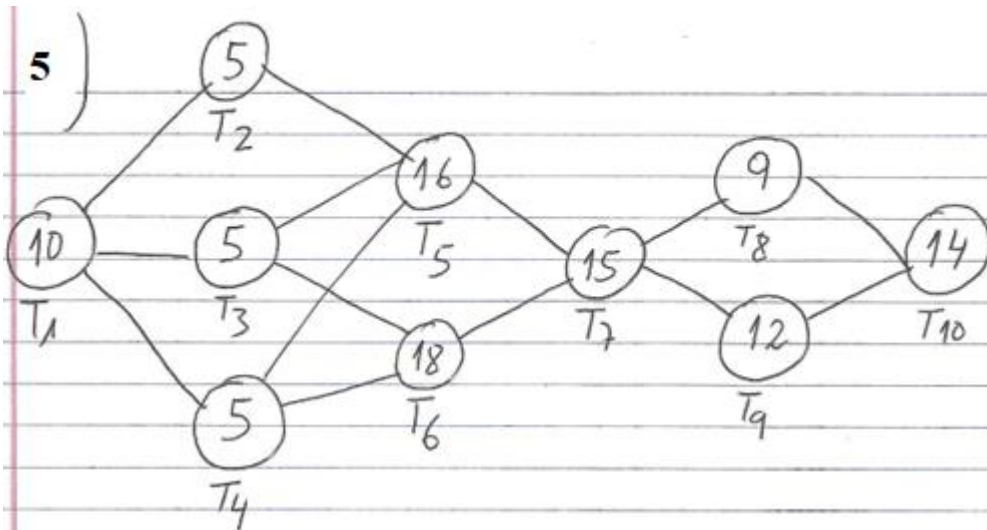
$$2) \frac{45 \times 44}{2} = 990$$

3) SIM. Exemplo:





- 4.2)
- 1 - AF
  - 2 - BD
  - 3 - CE



$$T_7 + T_9 + T_{10} = 41 \Leftrightarrow T_7 + \underbrace{T_9 + 3}_{T_7} + \underbrace{T_{10} + 1}_{T_7} = 45$$

$$\text{Logo } 3T_7 = 45 \Leftrightarrow \boxed{T_7 = 15} \quad \boxed{T_9 = 12} \quad \boxed{T_{10} = 14}$$

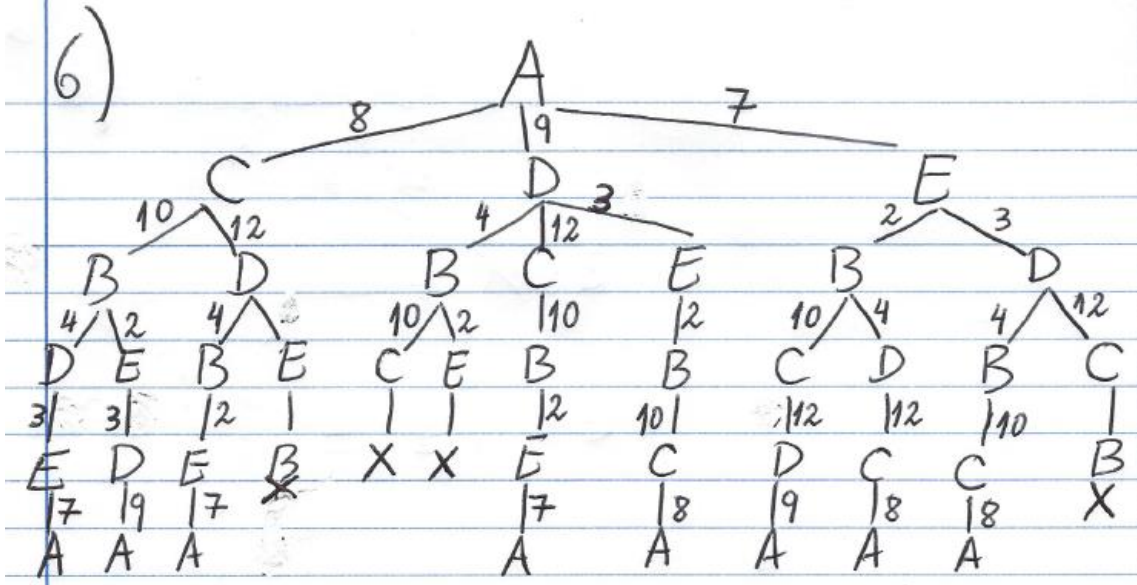
$$\boxed{T_8 = 9}$$

Corno  $T_1 + T_4 + T_6 + T_7 + T_9 + T_{10} = 74$ , e n $\bar{T}$   $\bar{A}_0$ :

$$10 + 5 + T_6 + 15 + 12 + 14 = 74 \text{ logo: } \boxed{T_6 = 18}$$

$$\boxed{T_5 = 16}$$

6)



32 32 33                      40      32    40    33    32  
 (\*) (\*)                                      (\*)                      (\*)

Melhores soluções: (\*)

ACBDEA-32 ; ACBEDA-32 ; ADEBCA-32

AEDBCA-32