

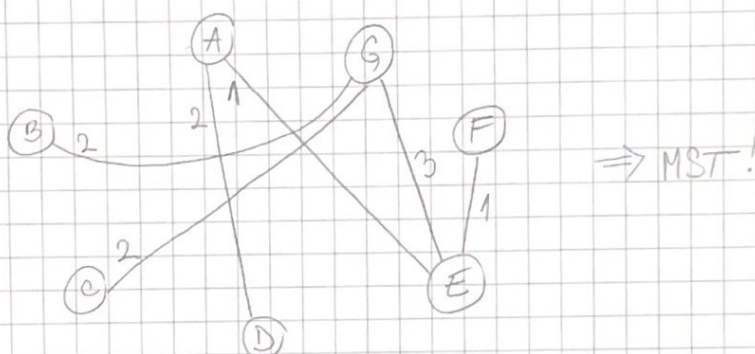
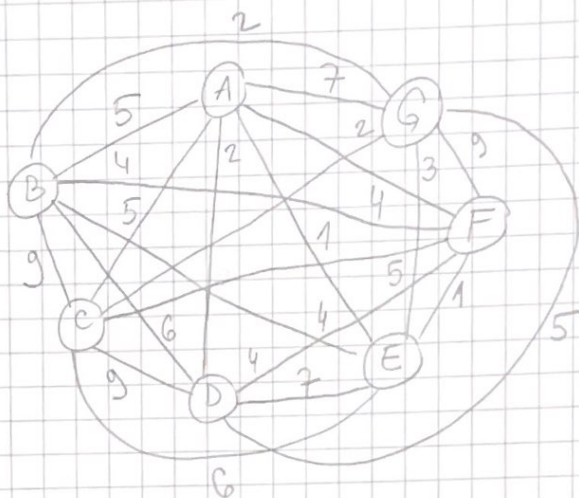
1. TRG. PUTNIK

1°) MIN STABLO

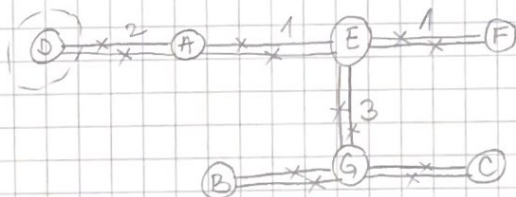
2°) EULERIZACIJA

3°) E. KRUG

4°) H. CIKLUS



EULERIZACIJA:



EULEROV KRUG: D-A-E-F-E-G-B-G-C-G-E-A-D

HAMILTONOV CIKLUS:

D-A-E-F-G-B-C-D

$$\text{TROŠAK} = 2 + 1 + 1 + 9 + 2 + 9 + 9 = 33 //$$



3. WFI

$k=0$

$$D^0 = \begin{array}{c|ccccc} & A & B & C & D & E \\ \hline A & 0 & 3 & 3 & 2 & \infty \\ B & \infty & 0 & \infty & \infty & 9 \\ C & \infty & 1 & 0 & 6 & 2 \\ D & \infty & 2 & \infty & 0 & \infty \\ E & 1 & \infty & 2 & -1 & 0 \end{array}$$

$$J^0 = \begin{array}{ccccc} \times & 1 & 1 & 1 & \times \\ \times & \times & \times & \times & 2 \\ \times & 3 & \times & 3 & 3 \\ \times & 4 & \times & \times & \times \\ 5 & \times & 5 & 5 & \times \end{array}$$

$k=1$

$$D^1 = \begin{array}{c|ccccc} & A & B & C & D & E \\ \hline A & 0 & 3 & 3 & 2 & \infty \\ B & \infty & 0 & \infty & \infty & 9 \\ C & \infty & 1 & 0 & 6 & 2 \\ D & \infty & 2 & \infty & 0 & \infty \\ E & 1 & 4 & 2 & -1 & 0 \end{array}$$

$$J^1 = \begin{array}{ccccc} \times & 1 & 1 & 1 & \times \\ \times & \times & \times & \times & 2 \\ \times & 3 & \times & 3 & 3 \\ \times & 4 & \times & \times & \times \\ 5 & 1 & 5 & 5 & \times \end{array}$$

$k=2$

$$D^2 = \begin{array}{c|ccccc} & A & B & C & D & E \\ \hline A & 0 & 3 & 3 & 2 & 12 \\ B & \infty & 0 & \infty & \infty & 9 \\ C & \infty & 1 & 0 & 6 & 2 \\ D & \infty & 2 & \infty & 0 & 11 \\ E & 1 & 4 & 2 & -1 & 0 \end{array}$$

$$J^2 = \begin{array}{ccccc} \times & 1 & 1 & 1 & 2 \\ \times & \times & \times & \times & 2 \\ \times & 3 & \times & 3 & 3 \\ \times & 4 & \times & \times & 2 \\ 5 & 1 & 5 & 5 & \times \end{array}$$

$k=3$

$$D^3 = \begin{array}{c|ccccc} & A & B & C & D & E \\ \hline A & 0 & 3 & 3 & 2 & 5 \\ B & \infty & 0 & \infty & \infty & 9 \\ C & \infty & 1 & 0 & 6 & 2 \\ D & \infty & 2 & \infty & 0 & 11 \\ E & 1 & 3 & 2 & -1 & 0 \end{array}$$

$$J^3 = \begin{array}{ccccc} \times & 1 & 1 & 1 & 3 \\ \times & \times & \times & \times & 2 \\ \times & 3 & \times & 3 & 3 \\ \times & 4 & \times & \times & 2 \\ 5 & 3 & 5 & 5 & \times \end{array}$$

$k=4$

$$D^4 = \begin{array}{c|ccccc} & A & B & C & D & E \\ \hline A & 0 & 3 & 3 & 2 & 5 \\ B & \infty & 0 & \infty & \infty & 9 \\ C & \infty & 1 & 0 & 6 & 2 \\ D & \infty & 2 & \infty & 0 & 11 \\ E & 1 & 1 & 2 & -1 & 0 \end{array}$$

$$J^4 = \begin{array}{ccccc} \times & 1 & 1 & 1 & 3 \\ \times & \times & \times & \times & 2 \\ \times & 3 & \times & 3 & 3 \\ \times & 4 & \times & \times & 2 \\ 5 & 4 & 5 & 5 & \times \end{array}$$

$k=5$

$$D^5 = \begin{array}{c|ccccc} & A & B & C & D & E \\ \hline A & 0 & 3 & 3 & 2 & 5 \\ B & 10 & 0 & 11 & 8 & 9 \\ C & 3 & 1 & 0 & 1 & 2 \\ D & 12 & 2 & 13 & 0 & 11 \\ E & 1 & 1 & 2 & -1 & 0 \end{array}$$

$$J^5 = \begin{array}{ccccc} & j_{41} & j_{42} & j_{43} & j_{44} & j_{45} \\ \hline \times & 1 & 1 & 1 & 3 \\ 5 & \times & 5 & 5 & 2 \\ 5 & 3 & \times & 5 & 3 \\ i & 5 & 4 & 5 & \times & 2 \\ 5 & 4 & 5 & 5 & \times \end{array}$$

$D-A = 12$

$i = 4$
 $j = 1$

$D-A :$

$$k = \pi_{ij}^5 = \pi_{41}^5 = 5 = E$$

$$k-1 = \pi_{ik}^5 = \pi_{45}^5 = 2 = B$$

$$k-2 = \pi_{i(k-1)}^5 = \pi_{42}^5 = 4 = D$$

$$k-3 = \pi_{i(k-2)}^5 = \pi_{44}^5 = \times$$

$D-B-E-A$

NAJKRACÍ PUT



5. $C=11$, $d=0.37$

	1	2	3	4	5	6
v	2	3	5	7	11	22
D	1	2	3	3	4	10

$\epsilonpsilon = 1 - d = 1 - 0.37 = 0.63$

$N = 22$

$m = 6$

$M = \epsilonpsilon \cdot N / m = 2.31$

$v' = \text{FLOOR}(v / M)$

	1	2	3	4	5	6
v'	0	1	2	3	4	9
D	1	2	3	3	4	10

$\uparrow \quad \uparrow \quad \uparrow \quad \uparrow$

DEFAULT VRIJEDNOST = $C+1 = 12$

$v'_1 = \text{FLOOR}(2 / 2.31) = 0$

$v'_2 = \text{FLOOR}(3 / 2.31) = 1$

$v'_3 = \text{FLOOR}(5 / 2.31) = 2$

$v'_4 = \text{FLOOR}(7 / 2.31) = 3$

$v'_5 = \text{FLOOR}(11 / 2.31) = 4$

$v'_6 = \text{FLOOR}(22 / 2.31) = 9$

v	{1}	{1,2}	{1,2,3}	{1,2,3,4}	{1,2,3,4,5}	{1,2,3,4,5,6}
0	1	2	3	4	5	6
1	12	2	2	2	2	2
2	12	12	3	3	3	3
3	12	12	5	3	3	3
4	12	12	12	5	4	4
5	12	12	12	6	6	6
6	12	12	12	8	7	7
⇒ 7	12	12	12	12	7	7
⇒ 8	12	12	12	12	9	9
⇒ 9	12	12	12	12	10	10
10	12	12	12	12	12	12

$\rightarrow D = 10$

UZIMAM (12 ≠ 10) NE UZIMAM (10 = 10)

SVAR 5 ⇒ $v' = 4$ ⇒ $v - v' = 11 - 4 = 7$

SVAR 1 ⇒ $v' = 0$