

! Optimiranje transporta

$$\min 4x_{11}+2x_{12}+3x_{13}+x_{14}+3x_{21}+3x_{22}+5x_{23}+7x_{24}+5x_{31}+4x_{32}+7x_{33}+4x_{34}$$

subject to

$$x_{11}+x_{12}+x_{13}+x_{14}\leq 10$$

$$x_{21}+x_{22}+x_{23}+x_{24}\leq 12$$

$$x_{31}+x_{32}+x_{33}+x_{34}\leq 17$$

$$x_{11}+x_{21}+x_{31}\geq 4$$

$$x_{12}+x_{22}+x_{32}\geq 8$$

$$x_{13}+x_{23}+x_{33}\geq 9$$

$$x_{14}+x_{24}+x_{34}\geq 12$$

$$x_{11}+x_{21}+x_{31}\leq 5$$

$$x_{12}+x_{22}+x_{32}\leq 10$$

$$x_{13}+x_{23}+x_{33}\leq 10$$

$$x_{14}+x_{24}+x_{34}\leq 13$$

end

OBJECTIVE FUNCTION VALUE

1) 108.0000

VARIABLE	VALUE	REDUCED COST
X11	0.000000	3.000000
X12	0.000000	1.000000
X13	1.000000	0.000000
X14	9.000000	0.000000
X21	4.000000	0.000000
X22	0.000000	0.000000
X23	8.000000	0.000000
X24	0.000000	4.000000
X31	0.000000	1.000000
X32	8.000000	0.000000
X33	0.000000	1.000000
X34	3.000000	0.000000

ROW	SLACK OR SURPLUS	DUAL PRICES
2)	0.000000	3.000000
3)	0.000000	1.000000
4)	6.000000	0.000000
5)	0.000000	-4.000000
6)	0.000000	-4.000000
7)	0.000000	-6.000000
8)	0.000000	-4.000000
9)	1.000000	0.000000
10)	2.000000	0.000000
11)	1.000000	0.000000
12)	1.000000	0.000000

NO. ITERATIONS= 7