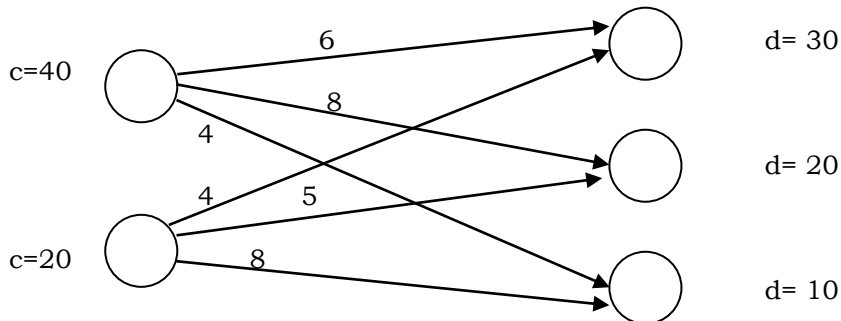


Métodos de Transporte

Solução Degenerada;



6	8	4	40	0
30	10*	Cij=-7 ***		
4	5	8	20	-3
	10	10		
30	20	10		
6	8	11		

Objective Value = 390 (Minimizati

*** Entering: Source 1 to Destination 3 * Leaving: Sourc

6	8	4	40	0
30		10		
4	5	8	20	4
Cij=-6 ***	20	0*		
30	20	10		
6	1	4		

Objective Value = 320 (Minimizati

*** Entering: Source 2 to Destination 1 * Leaving: Sourc

6	8	4	40	0
30		10		
4	5	8	20	-2
0	20			
30	20	10		
6	7	4		

Objective Value = 320 (Minimizati

Minimize o problema de transporte abaixo:

Orig	Destinos				Cap.
	A	B	C	D	
1	45	17	21	30	15
2	14	18	19	31	13
Dem.	9	6	7	9	

	a		b		c		d		Cap
1	45	-	17	+	21		30		15
		9		6					
2	14	+	18	-	19		31		13
			e		7		6		
fict	0		0		0		0		3
							3		
dem	9		6		7		9		31

	45		17		18		30	
0	45	*	17	*	21	3	30	0
1	14		18	*	19	*	31	*
		-32						
-30	0		0		0	12	0	*
		-15		13				

	a		b		c		d		Cap
1	45	-	17		21		30	+	15
		9		6					
2	14	+	18		19	7	31	-	13
		e					6		
fict	0		0		0		0		3
							3		
dem	9		6		7		9		31

	45		17		50		62	
0	45	*	17	*	21	-29	30	-32
-31	14	*	18		19	*	31	*
			32					
-62	0		0		0	12	0	*
		17		45				

	a		b		c		d		Cap
1	45	-	17		21	+	30		15
		3		6			6		
2	14	+	18		19	-	31		13
		6			7				
fict	0		0		0		0		3
							3		
dem	9		6		7		9		31

	45		17		50		30	
0	45	*	17	*	21	-29	30	*
-31	14	*	18		19	*	31	32
			32					
-30	0		0		0	-20	0	*
		-15		13				

	a		b		c		d		Cap
1	45		17		21		30		15
			6		3		6		
2	14		18		19		31		13
		9			4				
fict	0		0		0		0		3
							3		
dem	9		6		7		9		31

	16		17		21		30	
0	45	29	17	*	21	*	30	*
-2	14	*	18		19	*	31	3
			3					
-30	0		0		0	9	0	*
		14		13				

$1 \rightarrow b = 6;$ $1 \rightarrow c = 3;$ $1 \rightarrow d = 6;$

$2 \rightarrow a = 9;$ $2 \rightarrow c = 4;$

d deixa de receber 3 unidades

$$z = 14.9 + 17.6 + 21.3 + 30.6 + 19.4 = 547$$