

		1	2	3	
		$v_1 = 7$	$v_2 = 5$	$v_3 = 4$	Supply
1	$u_1 = 0$	7	5	4	20
		8	8	4	
2	$u_2 = 2$	6	2	6	10
		3	5	10	
Demand		8	8	14	$Z = 172$

		1	2	3	
		$v_1 = 7$	$v_2 = 0$	$v_3 = 4$	Supply
1	$u_1 = 0$	7	5	4	20
		8	12	4	
2	$u_2 = 2$	6	2	6	10
		3	8	2	
Demand		8	8	14	$Z = 132$

		1	2	3	
		$v_1 = 7$	$v_2 = 3$	$v_3 = 4$	Supply
1	$u_1 = 0$	7	5	4	20
		6	14	4	
2	$u_2 = -1$	6	2	6	10
		2	8	3	
Demand		8	8	14	$Z = 126$

Optimal Solution  $x_{11} = 6, x_{13} = 14, x_{21} = 2, x_{22} = 8, x_{ij} = 0$  (otherwise) and  $Z^* = 126$ .