Dopravní úloha

- nalezení řešení pomocí metody VAM

	S_1	S_2	S_3	S_4	
V_1	3	5	2	1	50
V_2	4	7	5	3	70
V_3	2	9	6	4	90
	30	40	40	100	

	S_1	S_2	S_3	S_4	
V_1	3	5	2	1	50 [1]
V_2	4	7	5	3	70 [1]
V_3	2	9	6	4	90 [2]
	30 [1]	40 [2]	40 [3]	100 [2]	

	S_1	S_2	S_3	S_4	
V_1	3	5	**2**	1	50 [1]
V_2	4	7	5	3	70 [1]
V_3	2	9	6	4	90 [2]
	30 [1]	40 [2]	40 **[3]**	100 [2]	

	S_1	S_2	S_3	S_4	
V_1	3	5	2 40	1	50 [1]
V_2	4	7	5 —	3	70 [1]
V_3	2	9	6 —	4	90 [2]
	30 [1]	40 [2]	40 [3]	100 [2]	

	S_1	S_2	S_3	S_4	
V_1	3	5	2 40	1	50 [2]
V_2	4	7	5 —	3	70 [1]
V_3	2	9	6 —	4	90 [2]
	30 [1]	40 [2]	40	100 [2]	

	S_1	S_2	S_3	S_4	
V_1	3 —	5 10	2 40	1 —	50 [2]
V_2	4	7	5 —	3	70 [1]
V_3	2	9	6 —	4	90 [2]
	30 [1]	40 [2]	40	100 [2]	

	S_1	S_2	S_3	S_4	
V_1	3 —	5 10	2 40	1 —	50
V_2	4	7	5 —	3	70 [1]
V_3	2	9	6 —	4	90 [2]
	30 [2]	40 [2]	40	100 [1]	

	S_1	S_2	S_3	S_4	
V_1	3 —	5 10	2 40	1 —	50
V_2	4 —	7	5 —	3	70 [1]
V_3	2 30	9	6 —	4	90 [2]
	30 [2]	40 [2]	40	100 [1]	

	S_1	S_2	S_3	S_4	
V_1	3 —	5 10	2 40	1 —	50
V_2	4 —	7	5 —	3	70 [4]
V_3	2 30	9	6 —	4	90 [5]
	30	40 [2]	40	100 [1]	

	S_1	S_2	S_3	S_4	
V_1	3 —	5 10	2 40	1 —	50
V_2	4 —	7	5 —	3	70 [4]
V_3	2 30	9 —	6 —	4 60	90 [5]
	30	40 [2]	40	100 [1]	

	S_1	S_2	S_3	S_4	
V_1	3 —	5 10	2 40	1 —	50
V_2	4 —	7 30	5 —	3 40	70 [4]
V_3	2 30	9 —	6 —	4 60	90 [5]
	30	40 [2]	40	100 [1]	

Cena dopravy: 10.5 + 40.2 + 30.7 + 40.3 + 30.2 + 60.4 = 760

	$v_1 =$	$v_2 =$	$v_3 =$	$v_4 =$	
$u_1 =$	3 —	5 10	2 40	1 —	50
$u_2 =$	4 —	7 30	5 —	3 40	70
$u_3 =$	2 30	9 —	6 —	4 60	90
	30	40	40	100	

	$v_1 =$	$v_2 =$	$v_3 =$	$v_4 =$	
$u_1 = 0$	3 —	5 10	2 40	1 —	50
$u_2 =$	4 —	7 30	5 —	3 40	70
$u_3 =$	2 30	9 —	6 —	4 60	90
	30	40	40	100	

	v_1=	v_2= 5	v_3=	v_4=	
u_1 = 0	3 —	5 10	2 40	1 —	50
u_2 =	4 —	7 30	5 —	3 40	70
u_3 =	2 30	9 —	6 —	4 60	90
	30	40	40	100	

	$v_1 = -1$	$v_2 = 5$	$v_3 = 2$	$v_4 = 1$	
$u_1 = 0$	3 —	5 10	2 40	1 —	50
$u_2 = 2$	4 —	7 30	5 —	3 40	70
$u_3 = 3$	2 30	9 —	6 —	4 60	90
	30	40	40	100	

	$v_1 = -1$	$v_2 = 5$	$v_3 = 2$	$v_4 = 1$	
$u_1 = 0$	3 — -4	5 10	2 40	1 —	50
$u_2 = 2$	4 —	7 30	5 —	3 40	70
$u_3 = 3$	2 30	9 —	6 —	4 60	90
	30	40	40	100	

	$v_1 = -1$	$v_2 = 5$	$v_3 = 2$	$v_4 = 1$	
$u_1 = 0$	3 — -4	5 10	2 40	1 — 0	50
$u_2 = 2$	4 — -3	7 30	5 — -1	3 40	70
$u_3 = 3$	2 30	9 — -1	6 — -1	4 60	90
	30	40	40	100	

Pro všechna pomlčková pole je pomocná cena menší nebo rovna 0. Proto je toto řešení optimální a dále neupravujeme.