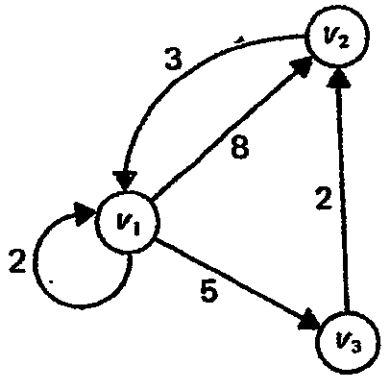

Figure 5.18

	v_1	v_2	v_3
v_1	2	8	5
v_2	3	∞	∞
v_3	∞	2	∞

$l(v_i, v_j)$

	v_1	v_2	v_3
v_1	0	8	5
v_2	3	0	∞
v_3	∞	2	0

C_{ij}^0

	v_1	v_2	v_3
v_1	0	8	5
v_2	3	0	8
v_3	∞	2	0

C_{ij}^1

	v_1	v_2	v_3
v_1	0	8	5
v_2	3	0	8
v_3	5	2	0

C_{ij}^2

	v_1	v_2	v_3
v_1	0	7	5
v_2	3	0	8
v_3	5	2	0

$C_{ij}^3 = c(v_i, v_j)$

Fig. 5.20. Shortest-path calculation.

$$\left(C_{ij}^0\right) = \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 0 \\ 0 & 1 & 1 \end{pmatrix}$$

$$\left(C_{ij}^1\right) = \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 0 & 1 & 1 \end{pmatrix}$$

$$\left(C_{ij}^2\right) = \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

$$\| $$

$$\left(C_{ij}^3\right)$$

Berechnung des refl.-tr. Abschlusses

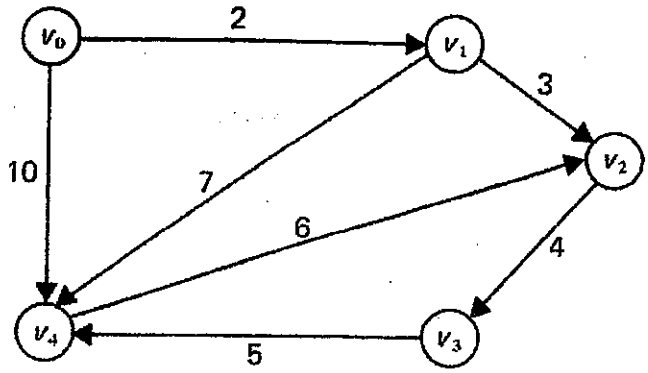

Fig. 5.25 A graph with labeled edges.

Iteration	S	w	$D[w]$	$D[v_1]$	$D[v_2]$	$D[v_3]$	$D[v_4]$
Initial	$\{v_0\}$	—	—	2	$+\infty$	$+\infty$	10
1	$\{v_0, v_1\}$	v_1	2	2	5	$+\infty$	9
2	$\{v_0, v_1, v_2\}$	v_2	5	2	5	9	9
3	$\{v_0, v_1, v_2, v_3\}$	v_3	9	2	5	9	9
4	All	v_4	9	2	5	9	9

Fig. 5.26. Computation of Algorithm 5.6 on graph of Fig. 5.25.