a Roll-call Vote (v) Matrix R

R	v_1	v_2	 v_n
m_1	Nay	Yea	Yea
m_2	Abstain	Nay	Yea
m_3	Yea	Nay	 Nay
m_4	Nay	Yea	Yea
m_5	Nay	Nay	Abstain
m_6	Abstain	Abstain	Nay

 $M = \text{Set of senators } m_i \text{ for } i = 1 \dots 6$

b Distance Matrix δ

δ	m_1	m_2	m_3	m_4	m_5	m_6
m_1	0	21.5	15	5	22	11
m_2	21.5	0	15.5	23.5	4.5	12.5
m_3	15	15.5	0	12	13	16
m_4	5	23.5	12	0	23	14
m_5	22	4.5	13	23	0	15
m_6	11	12.5	16	14	15	0

