A	B	C	D	d
0	3	4	6	A
	0	5	5	B
		0	8	C
			0	D

1. $r_A = 0 + 3 + 4 + 6 = 13$

$r_B = 13 \quad r_C = 17 \quad r_D = 19$

2. $M_{ij} = d(i,j) - \frac{1}{2}(r_i + r_j)$

A	B	C	D	
–	-10	**-11**	-10	A
	–	-10	**-11**	B
		–	-10	C
			–	D

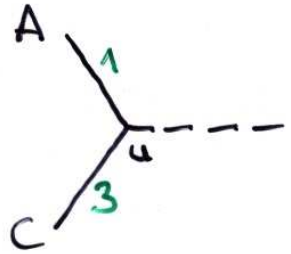
3. Wähle (A,C)

3. $d_{A,(AC)} = \frac{1}{2} d(A,C) + \frac{1}{2 \cdot 2}(r_A - r_C) = \frac{4}{2} + \frac{13-17}{4} = 1$

$d_{C,(AC)} = d(A,C) - d_{A,(AC)} = 4 - 1 = 3$

4. $d((AC),B) = \frac{1}{2}(d(A,B) + d(C,B) - d(A,C)) = \frac{1}{2}(3+5-4) = 2$

$d((AC),D) = 5$



5. Objekte jetzt (AC), B, D

(AC)	B	D	
0	2	5	(AC)
	0	5	B
		0	D

1. $r_{(AC)} = 7 \qquad r_B = 7 \qquad r_D = 10$

2. $M_{(AC),B} = M_{(AC),D} = M_{B,D} = -12$ Join B,D

3. $d_{B,(BD)} = \frac{5}{2} + \frac{7-10}{2} = 1 \qquad d_{D,(BD)} = 5 - 1 = 4$

4. $d((AC),(BD)) = \frac{2+5-5}{2} = 1$