

		a	Profil A			
A	0	0.4	0	0	0	0.2
C	0.2	0	0.2	0	1	0.8
G	0.2	0	0	0.8	0	0
T	0.6	0.4	0	0.2	0	0
-	0	0.2	0.8	0	0	0

		b	Profil B		
A	0.1	0	0.7	0	0
C	0.1	0.7	0	0.1	0.8
G	0	0	0	0.7	0.2
T	0.8	0	0.2	0.1	0
-	0	0.3	0.1	0.1	0

δ seien Einheitskosten

$$d(a,b) = 0.4 \cdot 0.7 \cdot \delta(A,A) + 0.4 \cdot 0 \cdot \delta(A,C) + \dots + 0.2 \cdot 0.1 \cdot 0 \quad \leftarrow \delta(-,-) = 0$$

$$= 1 - (0.4 \cdot 0.7 + 0 \cdot 0 + 0 \cdot 0 + 0.4 \cdot 0.2 + 0.2 \cdot 0.1)$$

$$= 1 - (0.28 + 0.08 + 0.02) = 1 - 0.38 = 0.62$$