$*\quad d(ab,c) = \dfrac{|a| \cdot d(a,c) + |b| \cdot d(b,c)}{|a| + |b|}$

	a	b	c	d	e	f
a	0	15	24	29	25	37
b		0	32	31	23	43
c			0	30	43	49
d				0	45	57
e					0	55
f						0

$\rightarrow$

$d(ab,c) = \dfrac{1\cdot24 + 1\cdot32}{1+1} = 28$

$d(ab,d) = \dfrac{1\cdot29 + 1\cdot31}{1+1} = 30$

$d(ab,e) = \dfrac{1\cdot25 + 1\cdot23}{1+1} = 24$

$d(ab,f) = \dfrac{1\cdot37 + 1\cdot43}{1+1} = 40$

	ab	c	d	e	f
ab	0	28	30	24	40
c		0	30	43	49
d			0	45	57
e				0	55
f					0

$\rightarrow$

$d(ab(e),c) = \dfrac{2\cdot28 + 1\cdot43}{2+1} = 33$

$d(ab(e),d) = \dfrac{2\cdot30 + 1\cdot45}{2+1} = 35$

$d(ab(e),f) = \dfrac{2\cdot40 + 1\cdot55}{2+1} = 45$

	abe	c	d	f
abe	0	33	35	45
c		0	30	49
d			0	57
f				0

$\rightarrow$

$d(cd,abe) = \dfrac{1\cdot33 + 1\cdot35}{1+1} = 34$

$d(cd,f) = \dfrac{1\cdot49 + 1\cdot57}{1+1} = 53$

	abe	cd	f
abe	0	34	45
cd		0	53
f			0

$\rightarrow$

$d((abe)(cd),f) = \dfrac{3\cdot45 + 2\cdot53}{3+2} = 48.2$

	abecd	f
abecd	0	48.2
f		0