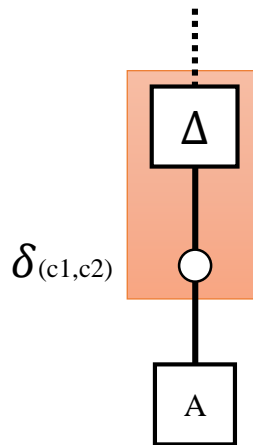


Delta-View

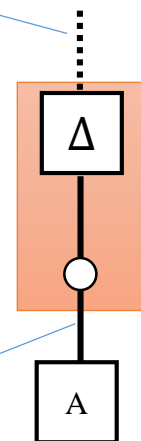


Delta (Output stream)

Seq	Op	Tuples
1	put	(k1,(null, null), (x1,15))
2	put	(k2,(null,null),(x2,8))
3	put	(k2,(x2,8), (x1,8))
4	put	(k1, (x1,15), (x1,10))
5	put	(k2, (x1,8), (null,null))
6	put	(k3,(null,null), (x1,28))
7	put	(k3, (x1,28), (null,null))
8	put	(k1, (x1,x3), (10,22))

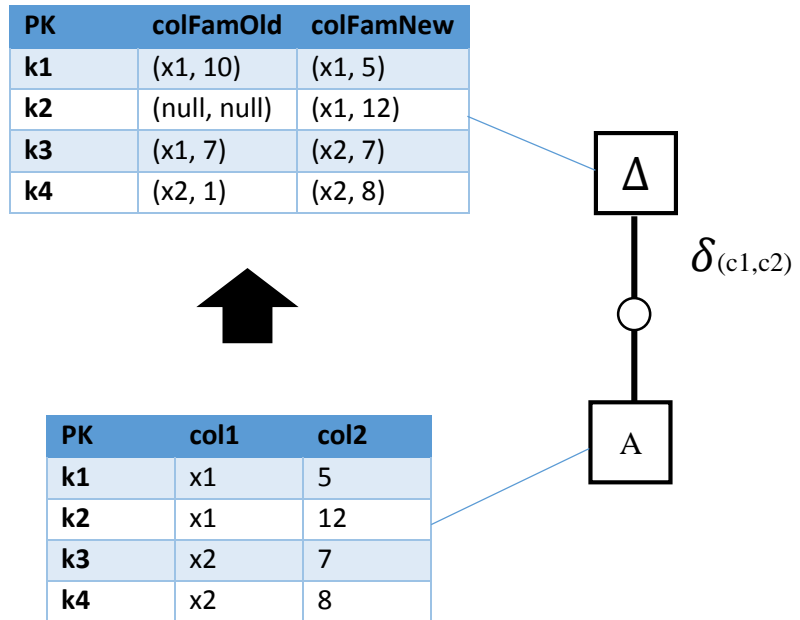


Seq	Op	Tuples
1	put	(k1, x1, 15)
2	put	(k2, x2, 8)
3	put	(k2, x1, 8)
4	put	(k1, x1, 10)
5	delete	(k2)
6	put	(k3, x1, 28)
7	delete	(k3)
8	put	(k1, x3, 22)



$\delta_{(c1,c2)}$

Delta (Tables)



Delta (Internal stream)

Seq	Op	Tuples
1	get	(k1)
	put	(k1,(null , null), (x1,15))
2	get	(k2)
	put	(k2,(null , null),(x2,8))
3	get	(k2)
	put	(k2,(x2,8), (x1,8))
4	get	(k1)
	put	(k1, (x1,15), (x1,10))
5	get	(k2)
	put	(k2, (x1,8), (null , null))
6	get	(k3)
	put	(k3,(null , null), (x1,28))
7	get	(k3)
	put	(k3, (x1,28), (null , null))
8	get	(k1)
	put	(k1, (x1,x3), (10,22))



Seq	Op	Tuples
1	put	(k1, x1, 15)
2	put	(k2, x2, 8)
3	put	(k2, x1, 8)
4	put	(k1, x1, 10)
5	delete	(k2)
6	put	(k3, x1, 28)
7	delete	(k3)
8	put	(k1, x3, 22)

