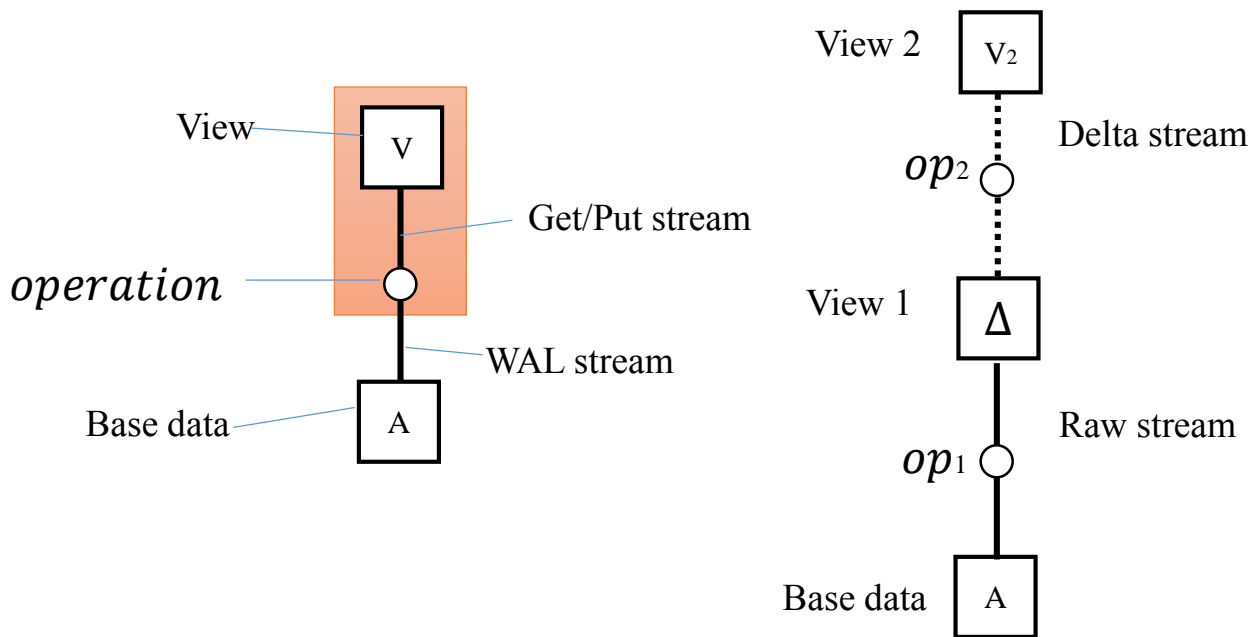
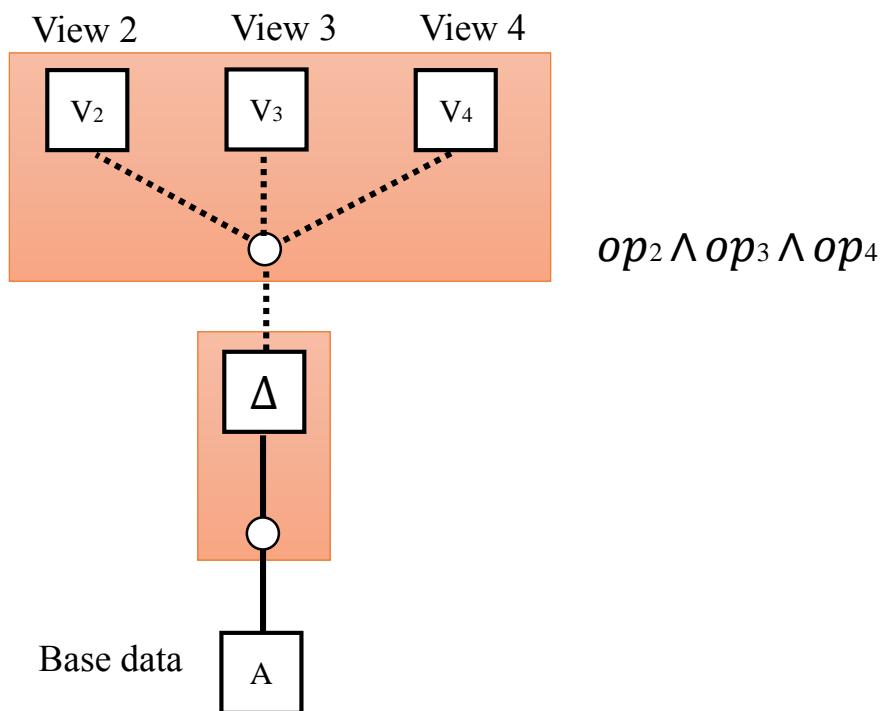


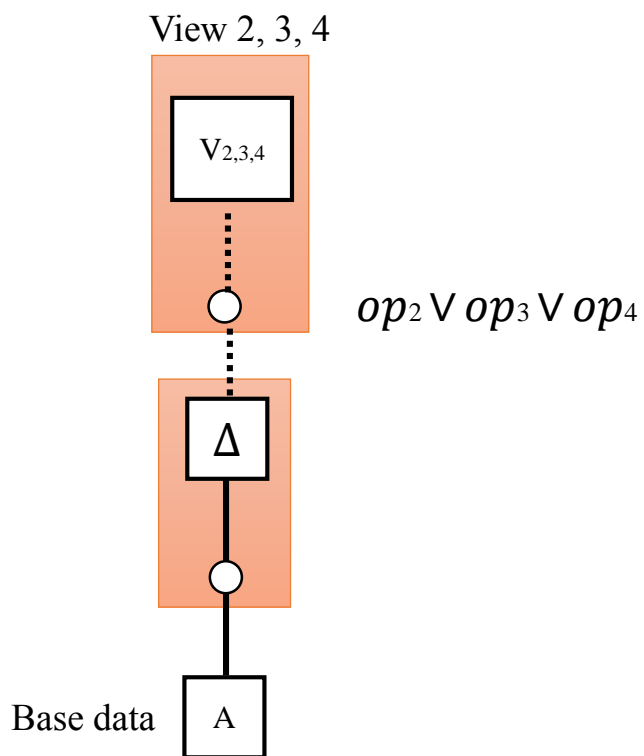
Elements



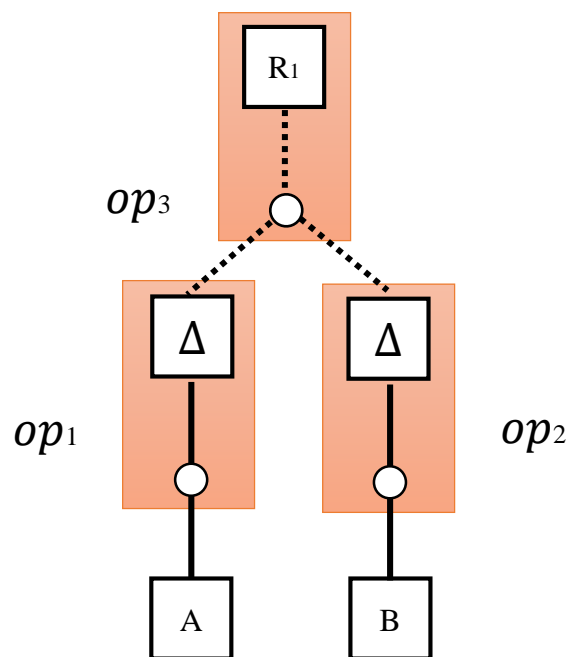
Multi View computation (separate)



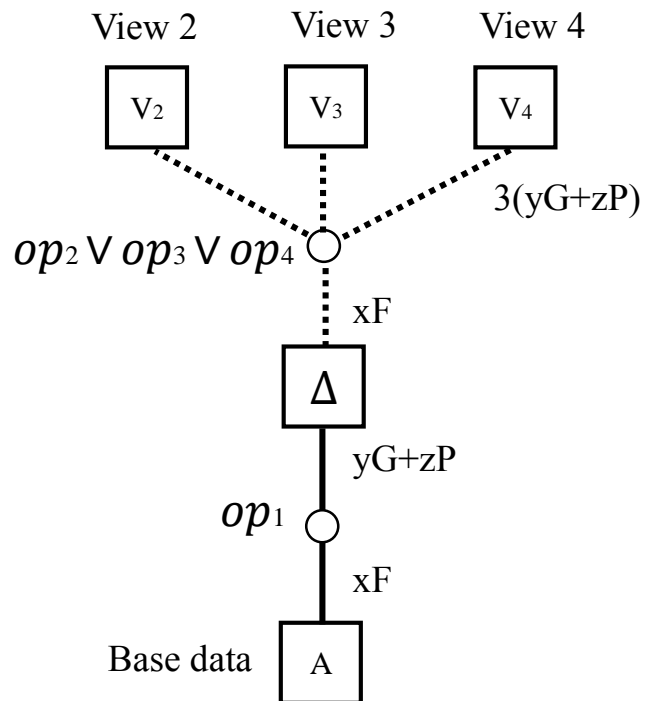
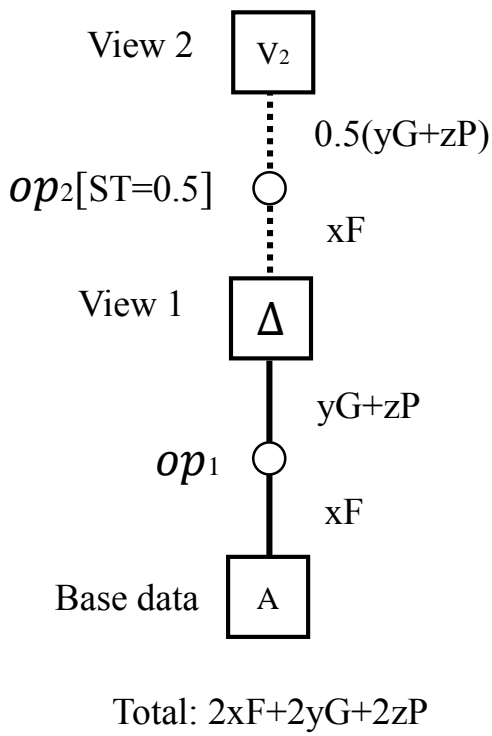
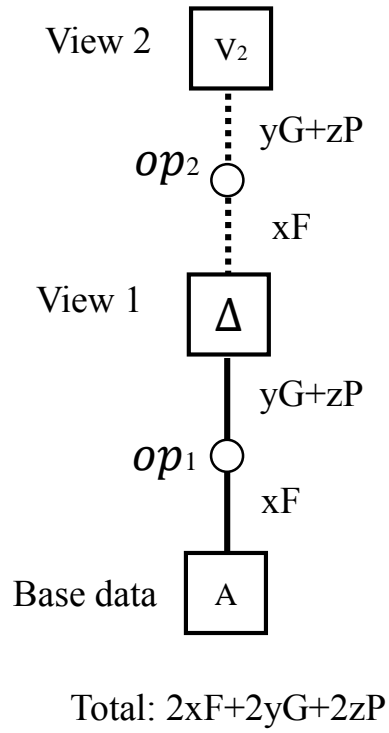
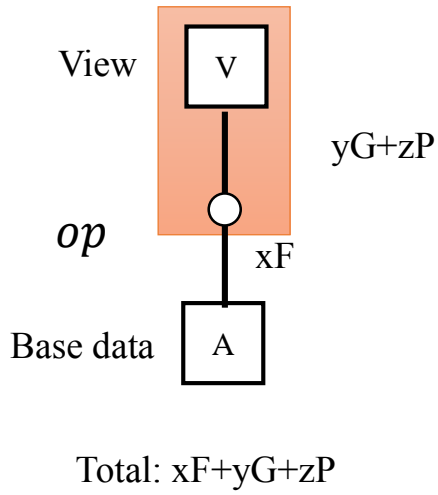
Multi View computation (union)



View joining

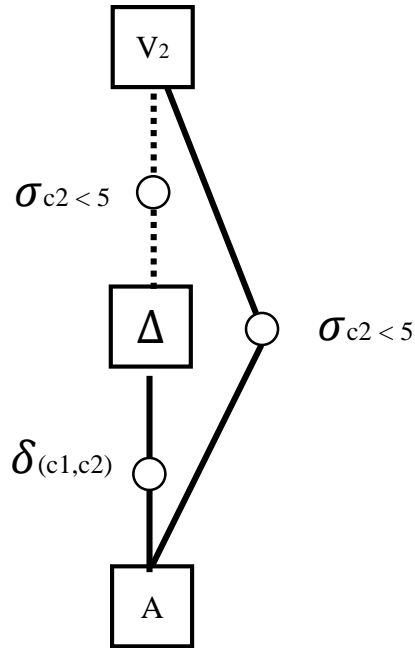


Flow model

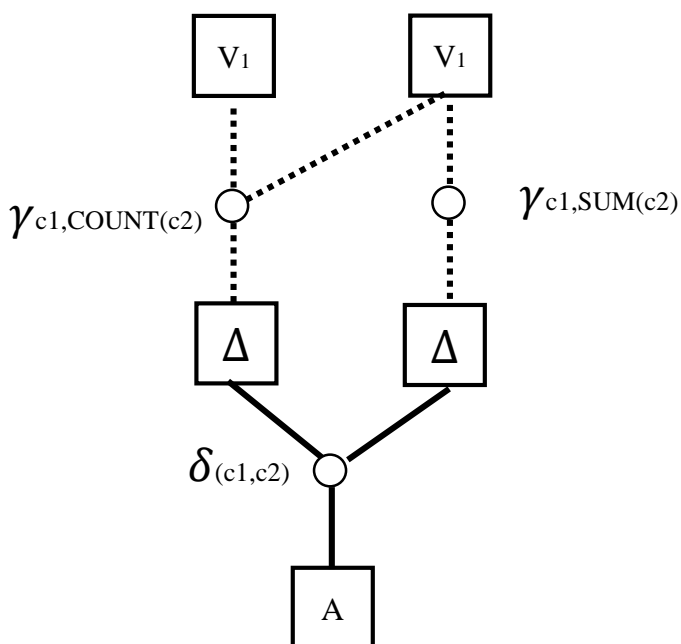


Equivalence classes

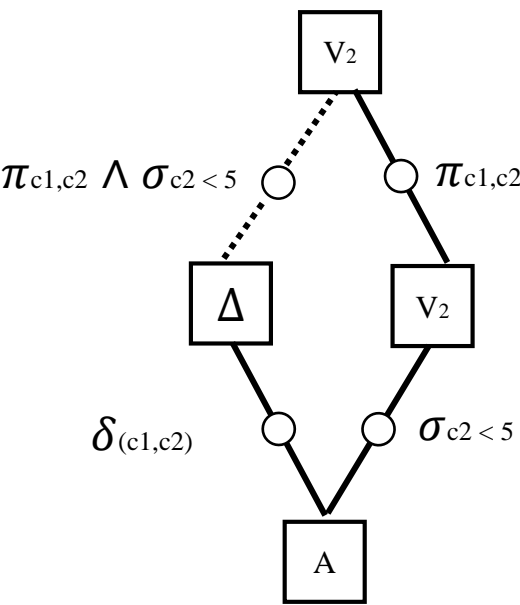
$$1. \sigma_{c2 < 5}(\delta(A)) = \sigma_{c2 < 5}(A)$$



$$2. \gamma_{c1, \text{COUNT}(c2)}(\delta(A)) + \gamma_{c1, \text{SUM}(c2)}(\delta(A)) \\ = \gamma_{c1, \text{COUNT}(c2)} \vee \gamma_{c1, \text{SUM}(c2)}(\delta(A))$$



$$3. \pi_{c1, c2}(\sigma_{c2 < 5}(A)) = \pi_{c1, c2} \wedge \sigma_{c2 < 5}(\delta(A))$$



$$4. (A \bowtie B) \bowtie C = A \bowtie (B \bowtie C)$$

