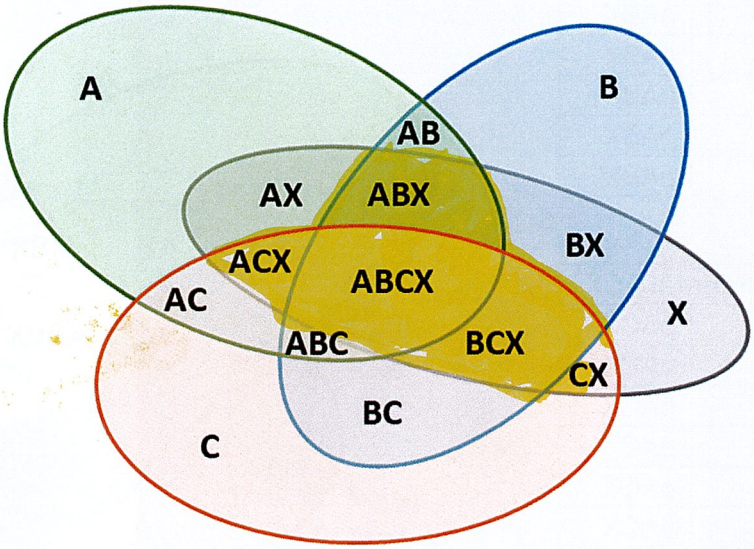
Accidentals Type 1 (two events outside that go in) for LDX

Accidental ABX	
pA	pBX
pB	pAX
pX	pAB
pAB	pAX
pAB	pBX
pAX	pBX

Accidental ACX	
pA	pCX
pC	pAX
pX	pAC
pAC	pAX
pAC	pCX
pAX	pCX

Accidental BCX	
pC	pBX
pB	pCX
pX	pCB
pCB	pCX
pCB	pBX
pCX	pBX



Accidental ABCX	
pABC	pX
pABC	pCX
pABC	pBX
pABC	pAX
pAB	pCX
pAC	pBX
pAX	pBC

$$\rho(\rho AX+\rho BX+\rho CX)(\rho AB+\rho AC+\rho BC)$$

$$a_{LDX} = 2\{ \rho ABC\cdot(\rho X+\rho CX+\rho BX+\rho AX)$$

$$+\rho A(\rho BX+\rho CX)+\rho B(\rho AX+\rho CX)+\rho C(\rho AX+\rho BX)$$

$$+\rho X(\rho AB+\rho AC+\rho BC)$$

$$\{+\rho AB(\rho AX+\rho BX)+\rho AC(\rho AX+\rho CX)+\rho BC(\rho CX+\rho BX)$$

$$+\rho AX\cdot\rho BX+\rho AX\rho CX+\rho BX\rho CX\}\tau$$

(1) continued.

Type 1 - accidentals LDX

$$a_{LDX} = 2\tilde{T}\{\rho ABC\cdot(\rho X+\rho CX+\rho BX+\rho AX)+$$

$$+\rho A(\rho BX+\rho CX)+\rho B(\rho AX+\rho CX)+\rho C(\rho AX+\rho BX)$$

$$+\rho X(\rho AB+\rho AC+\rho BC)$$

$$+(\rho AX+\rho BX+\rho CX)(\rho AB+\rho AC+\rho BC)$$

$$+\rho AX\cdot\rho BX+\rho AX\rho CX+\rho BX\cdot\rho CX\}.$$

$$=2\tilde{T}\{\rho ABC(\rho X+\rho CX+\rho BX+\rho AX)+$$

$$\rho A(\rho BX+\rho CX)+\rho B(\rho AX+\rho CX)+\rho C(\rho AX+\rho BX)$$

$$+(\rho AB+\rho AC+\rho BC)(\rho X+\rho AX+\rho BX+\rho CX)+$$

$$\rho AX\cdot\rho BX+\rho AX\rho CX+\rho BX\rho CX\}.$$

$$=2\tilde{T}\{(\rho X+\rho AX+\rho BX+\rho CX)(\rho ABC+\rho AB+\rho AC+\rho BC)$$

$$+\rho A(\rho BX+\rho CX)+\rho B(\rho AX+\rho CX)+\rho C(\rho AX+\rho BX)$$

$$+\rho AX\cdot\rho BX+\rho AX\cdot\rho CX+\rho BX\cdot\rho CX\}.$$

Accidentals Type 2 (one event outside and one inside) for LDX

Accidental ABX	
pA	pABX
pB	pABX
pX	pABX
pAB	pABX
pAX	pABX
pBX	pABX

$p_S - p_C$

Accidental ACX	
pA	pACX
pC	pACX
pX	pACX
pAC	pACX
pAX	pACX
pCX	pACX

$p_S - p_B$

Accidental BCX	
pB	pBCX
pC	pBCX
pX	pBCX
pBC	pBCX
pBX	pBCX
pCX	pBCX

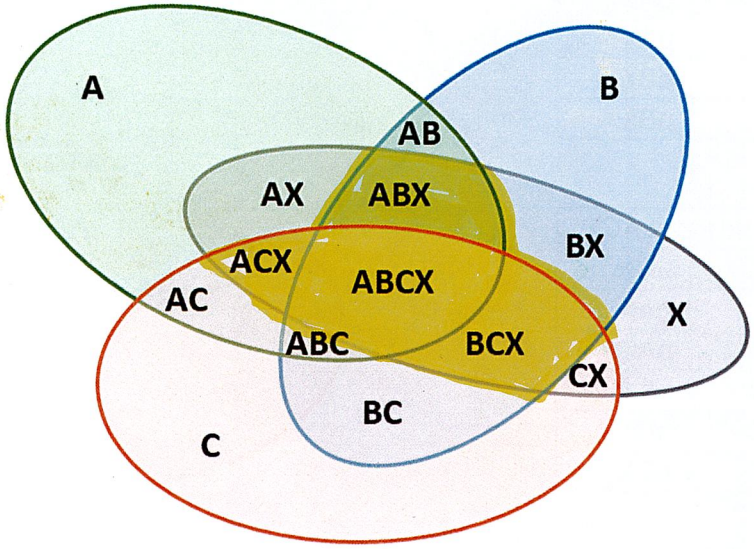
$p_S - p_A$

Accidental ABCX	
pA	pABCX
pB	pABCX
pC	pABCX
pX	pABCX
pAB	pABCX
pAC	pABCX
pAX	pABCX
pBC	pABCX
pBX	pABCX
pCX	pABCX
pABC	pABCX

pS

pD

+



$LDX = ABX + BCX + ACX - 2ABCX$

$a_{LDX} = T\{ p_{ABCX}(p_S + p_D + p_{ABC}) + p_{ABX}(p_S - p_C + p_{AB} + p_{AX} + p_{BX}) + p_{ACX}(p_S - p_B + p_{AC} + p_{AX} + p_{CX}) + p_{BCX}(p_S - p_A + p_{BC} + p_{BX} + p_{CX}) \}$.

and $p_D = p_{AB} + p_{AC} + p_{AX} + p_{BC} + p_{BX} + p_{CX}$