

Population 1

$$T1+T2+: P1*Se1*Se2+(1-P1)*(1-Sp1)*(1-Sp2)$$

$$T1+T2-: P1*Se1*(1-Se2)+(1-P1)*(1-Sp1)*Sp2$$

$$T1-T2+: P1*(1-Se1)*Se2+(1-P1)*Sp1*(1-Sp2)$$

$$T1-T2-: P1*(1-Se1)*(1-Se2)+(1-P1)*Sp1*Sp2$$

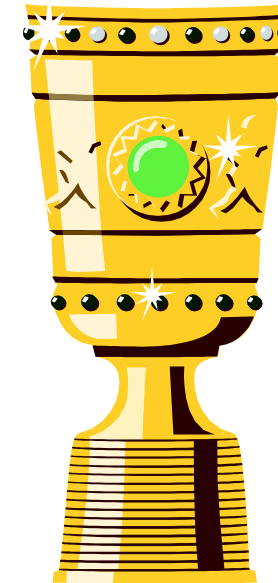
Population 2

$$T1+T2+: P2*Se1*Se2+(1-P2)*(1-Sp1)*(1-Sp2)$$

$$T1+T2-: P2*Se1*(1-Se2)+(1-P2)*(1-Sp1)*Sp2$$

$$T1-T2+: P2*(1-Se1)*Se2+(1-P2)*Sp1*(1-Sp2)$$

$$T1-T2-: P2*(1-Se1)*(1-Se2)+(1-P2)*Sp1*Sp2$$



Identifiable model!

6=6