Bierman formula

$$X_M = \sum_{I=1..M} \frac{\exp(-A(M-I))(N_{1I} - N_{2I})}{\sqrt{\sum \exp(-A(M-I))(N_{1I} + N_{2I})}}$$

X_M = sum from{I=1..M} {{exp(-A(M-I))(N_1I - N_2I)} over {sqrt{sum exp(-A(M-I))(N_1I + N_2I)}}}