3.5

(a). de pa of (X;) is X;-1.
if or Pa(X+1) = X+.

According to Markon model in class.

Puz = P (X++1 = x' | X+=x)

= P(X+1=x', x1=x) = COUNT, (x,x')
P(X+=x) COUNT, (x)

(6) PM2 = P (Xx=x | X+1=x') = COUNT 1(X,X') COUNT++1(X')