If # sabueled If X, Y are independent, then, E[f(X,Y)|X] = r(X) a.s.For ter a Suraled bornel g, $\mathbb{F}\left[\mathbb{A}f(X,Y)g(X)\right] \stackrel{\text{need}}{=} \mathbb{F}\left[v(X)g(X)\right]$ I(xen) 0(X,Y). I [XEA YEB] F.[][XEA, YEB]] [XEC] = H[GOXEADC] F[YEB] ?" HE XEAJEB are indep. Vaxte V(x) = FF[f(x,Y)] = IF[][xeA]TE4, YEB]) = F[IYEB]] I [XEA]