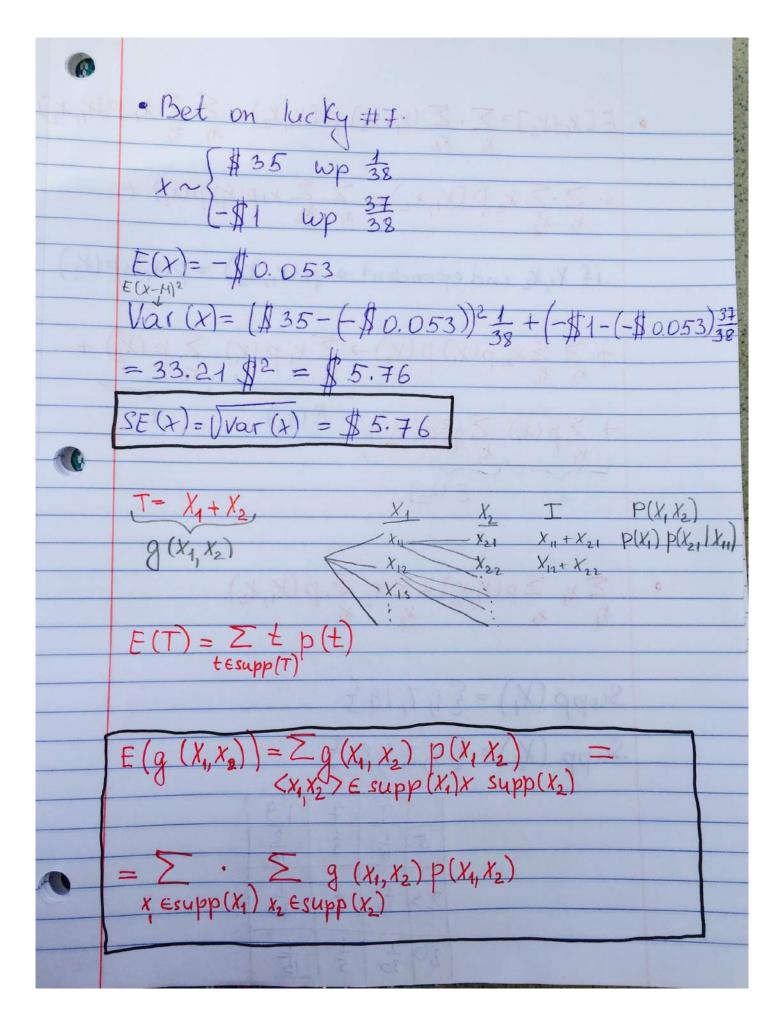


$$6^{\frac{1}{2}} = \frac{1}{2} =$$



• $E[X_1+X_2] = \sum_{X_1} \sum_{X_2} (X_1+X_2) p(X_1,X_2) = \sum_{X_1} \sum_{X_2} X_1 p(X_1,X_2)$ + \(\int \) \(\i if X1, 1/2 independent > p(X1, 1/2) = p(X1) · p(X2) $+ \underbrace{\sum \sum_{x_1} p(x_1) p(x_2)}_{x_1} \underbrace{\sum \sum_{x_1} p(x_1) \sum p(x_2)}_{x_1} + \underbrace{\sum \sum_{x_1} p(x_1) p(x_2)}_{x_1} \underbrace{\sum \sum_{x_1} p(x_1) p(x_2)}_{x_1} + \underbrace{\sum \sum_{x_1} p(x_1) p(x_2)}_{x_2} + \underbrace{\sum \sum_{x_1} p(x_1) p(x_2)}_{x_1} + \underbrace{\sum \sum_{x_1} p(x_1) p(x_2)}_{x_2} + \underbrace{\sum \sum_{x_1} p(x_2) p(x_2)}_{x_2} + \underbrace{\sum \sum_{x_2} p(x_2)}_{x_2} + \underbrace{\sum \sum_{x_1} p(x_2) p($ $+ \sum_{x_1} p(x_1) \cdot \sum_{x_2} p(x_2) E(x_1)$ E(K) $\sum_{x_1} x_1 \geq p(x_1, x_2) + \sum_{x_2} x_2 \geq p(x_1, x_2)$ Supp (X1) = {1,7,19} Supp (X2)= {5,23,80}