$$\bigoplus_{x,y} (x,y) = \begin{cases} k^{2} (x+|y|) & x = 0,1,2,...; y = -x - x+2, -x+4,... \\ 0 & \text{otherwise} \end{cases}$$

and Theorem:
$$\sum_{x \in S_X} \sum_{y \in S_Y} P_{x,y}(x,y) = 1$$

$$\frac{\infty}{x=0} \sum_{y=fx,-x+2,-x+4,...} \frac{(x+|y|)}{k^2} = 1$$

$$k \stackrel{A}{\underset{X=0}{\overline{2}}} \stackrel{-x}{\underset{y \in \{-x, -x+2, -x+4, ...\}}{\overline{2}}} = 1$$

Old
$$y = -x + 2n$$
;
 $k \gtrsim z^{-x} \lesssim 2$
 $x = 0$
 $y = -x + 2n$
 $= 1$

$$|x-2y| = \begin{cases} x-2y & -x+2y > 0 \\ x \leq 2y \\ -x+2y & -x+2y < 0 \end{cases}$$

$$k = \frac{3}{4}$$
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$$P_{X}(x) = \sum_{y} P_{X,y}(x_{1}y)$$

$$= \sum_{y}$$

4.3 Marginal PMF Pycy)

$$P_{Y}(y) = \sum_{x} P_{x,y}(x_{1}y)$$

$$= \frac{3}{4} \sum_{x=0}^{2} 2$$

$$= \frac{3}{4} 2 \left(\frac{1}{1-1} \right)$$