	zmienna losowa dyskretna	zmienna losowa ciągła
dystrybuanta	$F(x,y) = P(X \leq x, Y \leq y) = \sum_{x_i \leq x} \sum_{y_j \leq y} p(x_i, y_j)$	$F(x,y) = P(X \leq x, Y \leq y) = \int_{-\infty}^{x} \int_{-\infty}^{y} f(u,v)\, dv du$
dystrybuanta brzegowa	$F_X(x) = P(X \leq x) = \sum_{x_i \leq x} \sum_{y_j} p(x_i, y_j)$ $F_Y(y) = P(Y \leq y) = \sum_{y_j \leq y} \sum_{x_i} p(x_i, y_j)$	$F_X(x) = \int_{-\infty}^{x} f_X(u)\, du$ $F_Y(y) = \int_{-\infty}^{y} f_Y(v)\, dv$
dęstość brzegowa		$f_X(x) = \int_{-\infty}^{\infty} f(x,y)\, dy$ $f_Y(y) = \int_{-\infty}^{\infty} f(x,y)\, dx$
rozkład warunkowy	$P(X = x_i \mid Y = y_j) = \frac{P(X=x_i, Y=y_j)}{P(Y=y_j)}$ $P(Y = y_j \mid X = x_i) = \frac{P(Y=y_j, X=x_i)}{P(X=x_i)}$	
gęstość warunkowa		$f(x \mid y) = \frac{f(x,y)}{f_Y(y)}$ $f(y \mid x) = \frac{f(x,y)}{f_X(x)}$
dystrybuanta warunkowa	$F(x \mid y_j) = P(X \leq x \mid Y = y_j) = \sum_{x_i \leq x} P(X = x_i \mid Y = y_j)$ $F(y \mid x_i) = P(Y \leq y \mid X = x_i) = \sum_{y_j \leq y} P(Y = y_j \mid X = x_i)$	$F(x \mid y) = \int_{-\infty}^{x} f(u \mid y)\, du = \frac{1}{f_Y(y)} \int_{-\infty}^{x} f(u,y)\, du$ $F(y \mid x) = \int_{-\infty}^{y} f(x \mid v)\, dv = \frac{1}{f_X(x)} \int_{-\infty}^{y} f(x,v)\, dv$
warunkowa wartość oczekiwana	$E(X \mid Y = y) = \sum_{x_i} x_i P(X = x_i \mid Y = y)$ $E(Y \mid X = x) \sum_{y_j} y_j P(Y = y_j \mid X = x)$	$E(X \mid Y = y) = \int_{-\infty}^{\infty} x f(x \mid y)\, dx$ $E(Y \mid X = x) = \int_{-\infty}^{\infty} y f(y \mid x)\, dy$
wartość oczekiwana (brzegowa)	$EX = \sum_{x_i} x_i P_X(X = x_i)$ $EY = \sum_{y_j} y_j P_Y(Y = y_j)$	$EX = \int_{-\infty}^{\infty} x f_X(x)\, dx$ $EY = \int_{-\infty}^{\infty} y f_Y(y)\, dy$