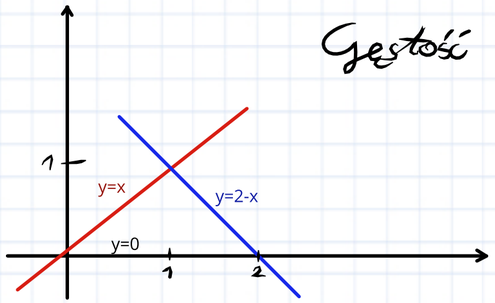

Gęstość (X,Y) to $f(x,y)=3xy$

Gęstości brzegowe

$$f_X(x)=\int_{-\infty}^{\infty} f(x,y)\,dy=\begin{cases}0, & x\in(-\infty,0]\\ \int_0^x 3xy\,dy, & x\in(0,1]\\ \int_0^{2-x} 3xy\,dy, & x\in(1,2]\\ 0, & x\in(2,\infty)\end{cases}=\begin{cases}0, & x\in(-\infty,0]\\ 3/2\,x^3, & x\in(0,1]\\ 3/2\,x(2-x)^2, & x\in(1,2]\\ 0, & x\in(2,\infty)\end{cases}$$

$$f_Y(y)=\int_{-\infty}^{\infty} f(x,y)\,dx=\begin{cases}0, & y\in(-\infty,0]\cup[1,\infty)\\ \int_y^{2-y} 3xy\,dx, & y\in(0,1)\end{cases}=\begin{cases}0, & y\in(-\infty,0]\cup[1,\infty)\\ \frac{3}{2}y\left[(2-y)^2-y^2\right], & y\in(0,1)\end{cases}$$