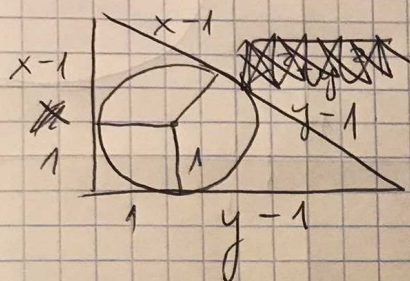


(7)



$$\text{II) : } x \in (1; +\infty)$$

$$\text{Zup: } y \in (1; +\infty)$$

$$y^2 + x^2 = (x+y-2)^2$$

$$y^2 + x^2 = (x+y)^2 - 4x - 4y + 4$$

$$\cancel{y^2} + \cancel{x^2} = \cancel{x^2} + 2xy + \cancel{y^2} - 4x - 4y + 4$$

$$2xy - 4x - 4y + 4 = 0$$

$$2xy - 4y = 4x - 4$$

$$y(2x-4) = 4x-4$$

$$y = \frac{4x-4}{2x-4}$$

$$y = \frac{2x-2}{x-2} = \frac{2x-4+2}{x-2} = \frac{2(x-2)+2}{x-2} =$$

$$= 2 + \frac{2}{x-2}$$

$$x \in (2; +\infty)$$

