6

weźmy $x = 3,\ y = 40$ $\qquad X_{fl} = [0, 1000]$

wtedy:

$u := 9$

$u := 1609$

$d = 40,1123$ $\qquad d \in X_{fl}$, $u \notin X_{fl}$

lepiej

$a := \left(\frac{x}{\max(x,y)}\right)^2$ $\qquad$ wtedy: $\qquad a = \left(\frac{3}{40}\right)^2 < 1$

$b := \left(\frac{y}{\max(x,y)}\right)^2$ $\qquad b = \left(\frac{40}{40}\right)^2 = 1$

$c := \text{sqrt}(a+b)$ $\qquad c = \sqrt{\left(\frac{3}{40}\right)^2 + \left(\frac{40}{40}\right)^2}$

$d := \max(x,y) \cdot c$ $\qquad d = 40 \cdot \sqrt{\left(\frac{3}{40}\right)^2 + \left(\frac{40}{40}\right)^2}$

$v = (v_1, v_2, v_3, \dots, v_n)$

$m = \max(v_1, v_2, \dots, v_n)$

$s = \left(\frac{v_1}{m}\right)^2$

$s = s + \left(\frac{v_n}{m}\right)^2$ $\qquad$ dla $n \in [2; n]$ $\quad n \in \mathbb{N}$

$p = \text{sqrt}(s)$

$d = m \cdot p$