Ukázka Testu č.1 pro MA4 — Výsledky

$\boxed{\mathbf{1}}$ $\min = F(\frac{1}{2}, \frac{1}{3}) = 2 + \ln 6,\ \sup = \infty$;
$\boxed{\mathbf{2}}$ $\min = F(\sqrt{2}, 0) = F(-\sqrt{2}, 0) = F(0, \sqrt{2}) = F(0, -\sqrt{2}) = \frac{1}{5},\ \max = F(1,1) = F(-1,1) = F(1,-1) = F(-1,-1) = \frac{1}{3}$;
$\boxed{\mathbf{3}}$ $y \in \langle 0, 4\rangle,\ x \in \langle \frac{y}{4}, \frac{10-y}{2}\rangle$
nebo $x \in \langle 0, 5\rangle$ rozděleno na $x \in \langle 0, 1\rangle,\ y \in \langle 0, 4x\rangle$ a $x \in \langle 1, 3\rangle,\ y \in \langle 0, 4\rangle$ a $x \in \langle 3, 5\rangle,\ y \in \langle 0, -2x + 10\rangle$;
$\boxed{\mathbf{4}}$ $x \in \langle 1, 3\rangle,\ z \in \langle 2 - x, 3 - x\rangle,\ y \in \langle 0, 3 - x\rangle$.