$x \in [1, \dots, 20]$ $y \in [9, \dots 11]$ $z \in [155, \dots, 161]$

1) $z \in D_z \cap [D_x \cdot D_y]$

$[155 \dots 161] \cap ([1 \dots 20][9, \dots 11]$

$[155 \dots 161] \cap [9, 220] = [155, 161]$

2) $x \in D_x \cap int\left(\frac{D_z}{D_y}\right)$

$x \in [1, \dots 20] \cap \frac{[155 \dots 161]}{[9 \dots 11]}$

$x \in [1 \dots 20] \cap [16 \dots 16] = x \in \{16\}$

3) $y \in D_y \cap int\left(\frac{D_z}{D_x}\right)$

$y \in [9 \dots 11] \cap \frac{[155 \dots 161]}{[16]}$

$y \in [9 \dots 11] \cap \{10\} = y \in \{10\}$

$D_z = D_z \cap [D_x \cdot D_y]$

$D_z = [159 \dots 161] \cap [160]$

$D_z = \{160\}$

$z \in \{160\}$