

$$\textcircled{1} \quad 1. X = \{0, 3, 6, 9\} \quad 2. Y = \{2, 3, 5, 7\}$$

$$3. Z = \{1, 3, 5, 7, 9\} \quad 4. Y \cup X = \{0, 2, 3, 5, 6, 7, 9\}$$

$$5. Y \cap X = \{3\}$$

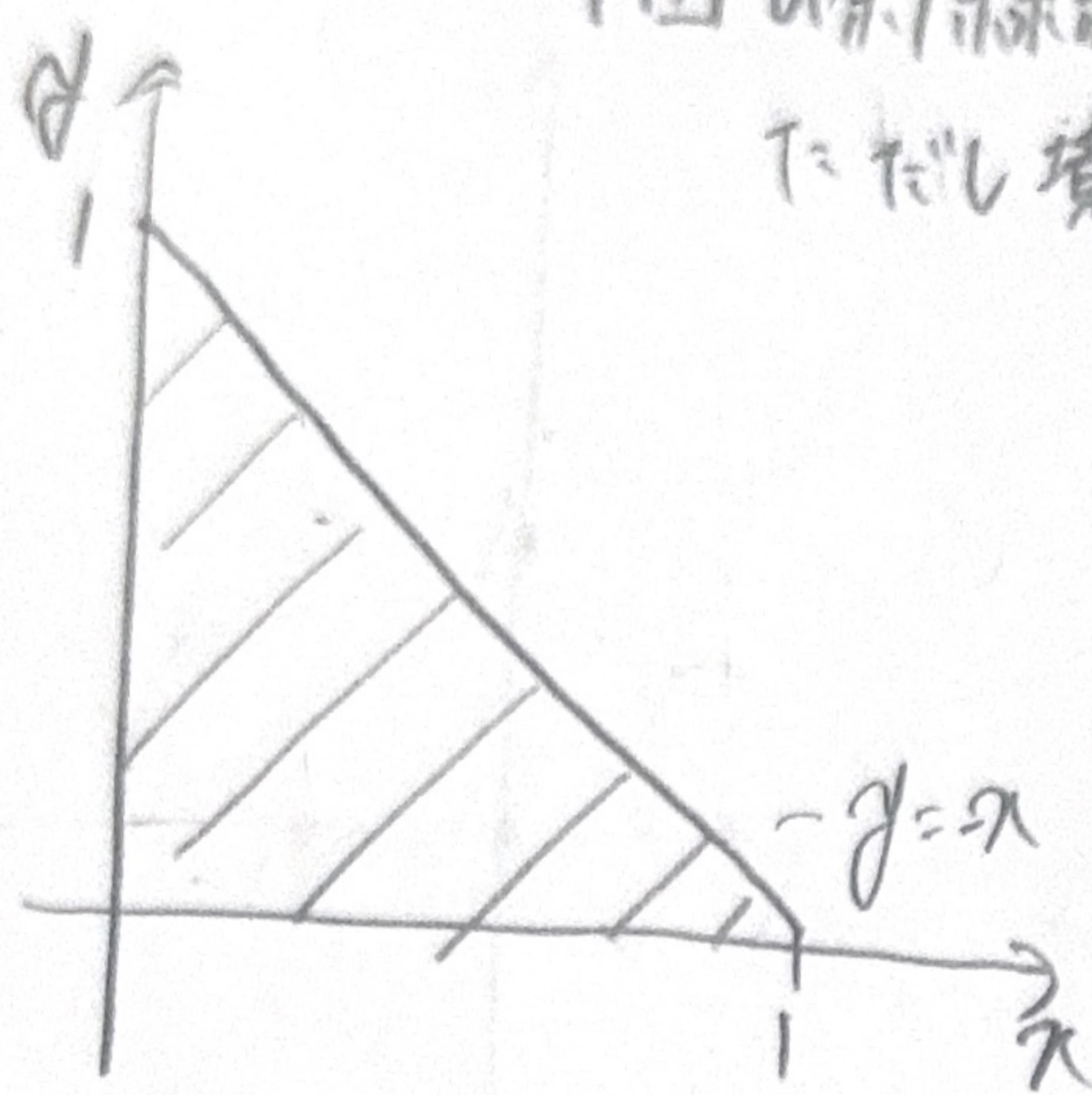
$$6. (X \cup Z) \cap Y = \{0, 3, 5, 6, 7, 9\}$$

\textcircled{2}

$S \cap U$

下図の斜線部分

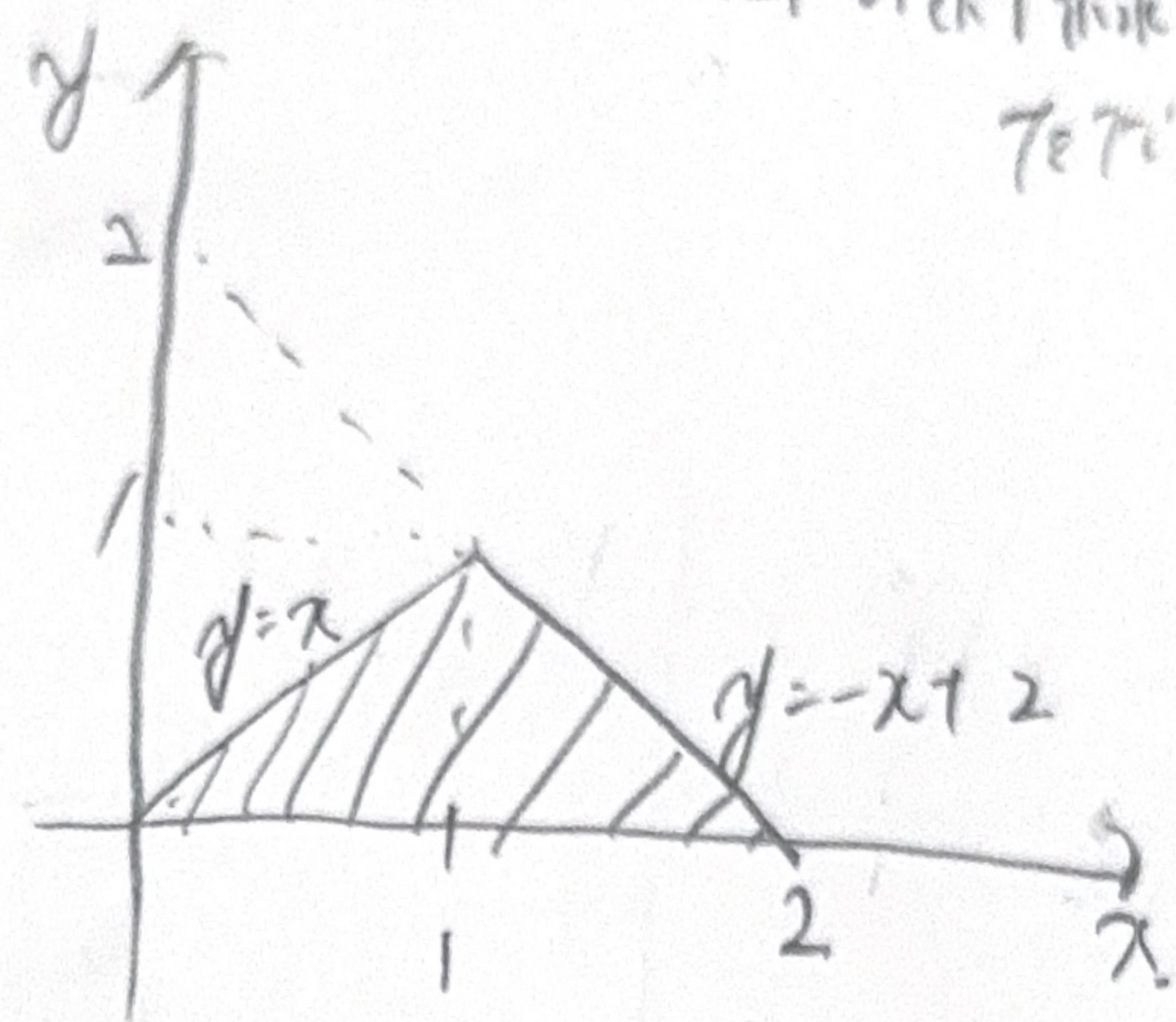
ただし境界線含む



$T \cap U$

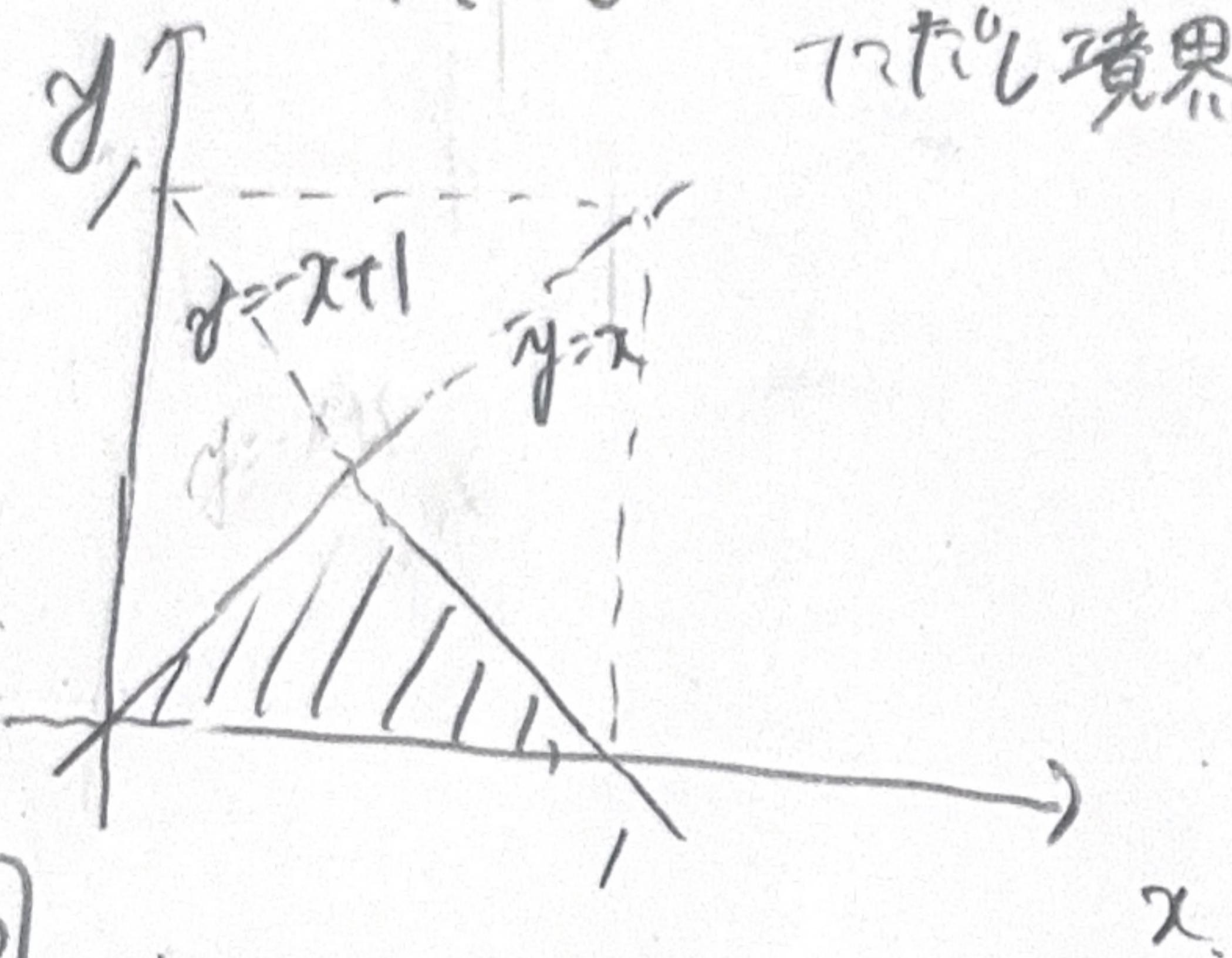
下図の斜線部分

ただし境界線含む



$S \cap T \cap U$

ただし境界線含む



\textcircled{3}

$$1. X = \{1, 2, 3, 4, 5\}$$

$$2. Y = \{y \in N \mid y \equiv 0 \pmod{2}\}$$

$$3. Z = \{1, 3, 5\}$$

$$4. X \subset 2$$

\textcircled{4}

$$a = 17$$