

$$A = \{1, 2, 3, \{4, 5\}, 6\}$$

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$$1 \in \{1, 2, 3, \{4, 5\}, 6\}$$

$$2 \in \{1, 2, 3, \{4, 5\}, 6\}$$

$$3 \in \{1, 2, 3, \{4, 5\}, 6\}$$

$$4 \notin \{1, 2, 3, \{4, 5\}, 6\}$$

$$5 \notin \{1, 2, 3, \{4, 5\}, 6\}$$

$$\{4, 5\} \in \{1, 2, 3, \{4, 5\}, 6\}$$

$$6 \in \{1, 2, 3, \{4, 5\}, 6\}$$

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$$1 \notin \{1, 2, 3, \{4, 5\}, 6\}$$

$$\{1\} \subset \{1, 2, 3, \{4, 5\}, 6\}$$

$$\{1, 2\} \subset \{1, 2, 3, \{4, 5\}, 6\}$$

$$\{2\} \subset \{1, 2, 3, \{4, 5\}, 6\}$$

$$2 \notin \{1, 2, 3, \{4, 5\}, 6\}$$

$$\{1, 2, 3\} \subset \{1, 2, 3, \{4, 5\}, 6\}$$

$$\{4, 5\} \notin \{1, 2, 3, \{4, 5\}, 6\}$$

$$\{\{4, 5\}\} \subset \{1, 2, 3, \{4, 5\}, 6\}$$

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