



A diagram illustrating a set X and its subset \mathcal{X} . The set X is represented by a large, rounded rectangle with a black border. Inside this rectangle, there is a smaller, irregular, reddish-brown shape representing the subset \mathcal{X} . The text $x \in \mathcal{X}$ is written in white inside the subset \mathcal{X} .

$$x \in \mathcal{X}$$

X