

```
class Setoid(ABC):
```

```
    """
```

```
A setoid is something to which elements may belong, and  
has a way of distinguishing elements.
```

```
    """
```

```
@abstractmethod
```

```
def contains(self, x: Element) -> bool:
```

```
    """ Returns true if the element is in the set. """
```

```
def equal(self, x: Element, y: Element) -> bool:
```

```
    """ Returns True if the two elements are to be considered equal. """
```

```
    return x == y # default is to use the Python equality
```

```
def apart(self, x: Element, y: Element) -> bool:
```

```
    return not self.equal(x, y)
```