

```
class SetProduct(Setoid, ABC):
    """ A set product is a setoid that can be factorized. """

    @abstractmethod
    def components(self) -> List[Setoid]:
        """ Returns the components of the product """

    @abstractmethod
    def pack(self, *args: Element) -> Element:
        """ Packs an element of each setoid into an element of the mapping """

    @abstractmethod
    def projections(self) -> List[Mapping]:
        """ Returns the projection mappings. """
```