

```
1  from abc import abstractmethod, ABCMeta
2
3  class Model(metaclass=ABCMeta):
4
5      def __init__(self):
6          pass
7
8      @abstractmethod
9      def get_x(self):
10         pass
11
12     @abstractmethod
13     def right_hand_equation(self, t, y):
14         pass
15
16     @abstractmethod
17     def write_output(self, filename):
18         pass
19
20     @abstractmethod
21     def ode_solver(self):
22         pass
```