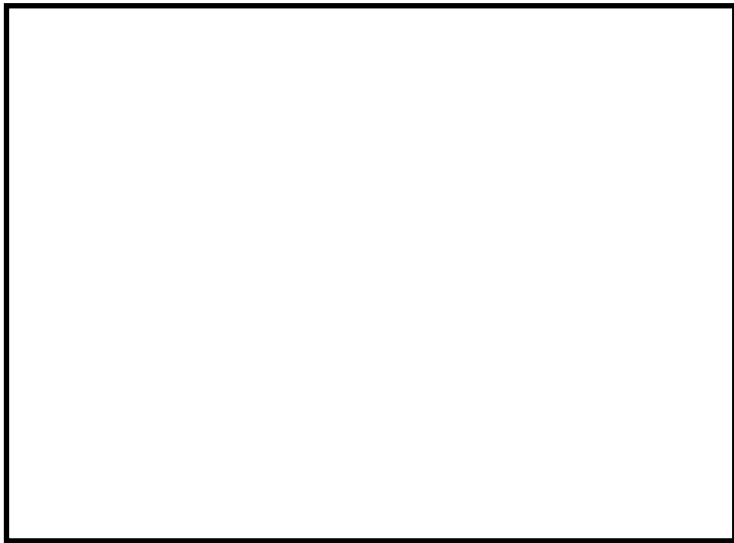


## Fickle Fruit Class Exercises

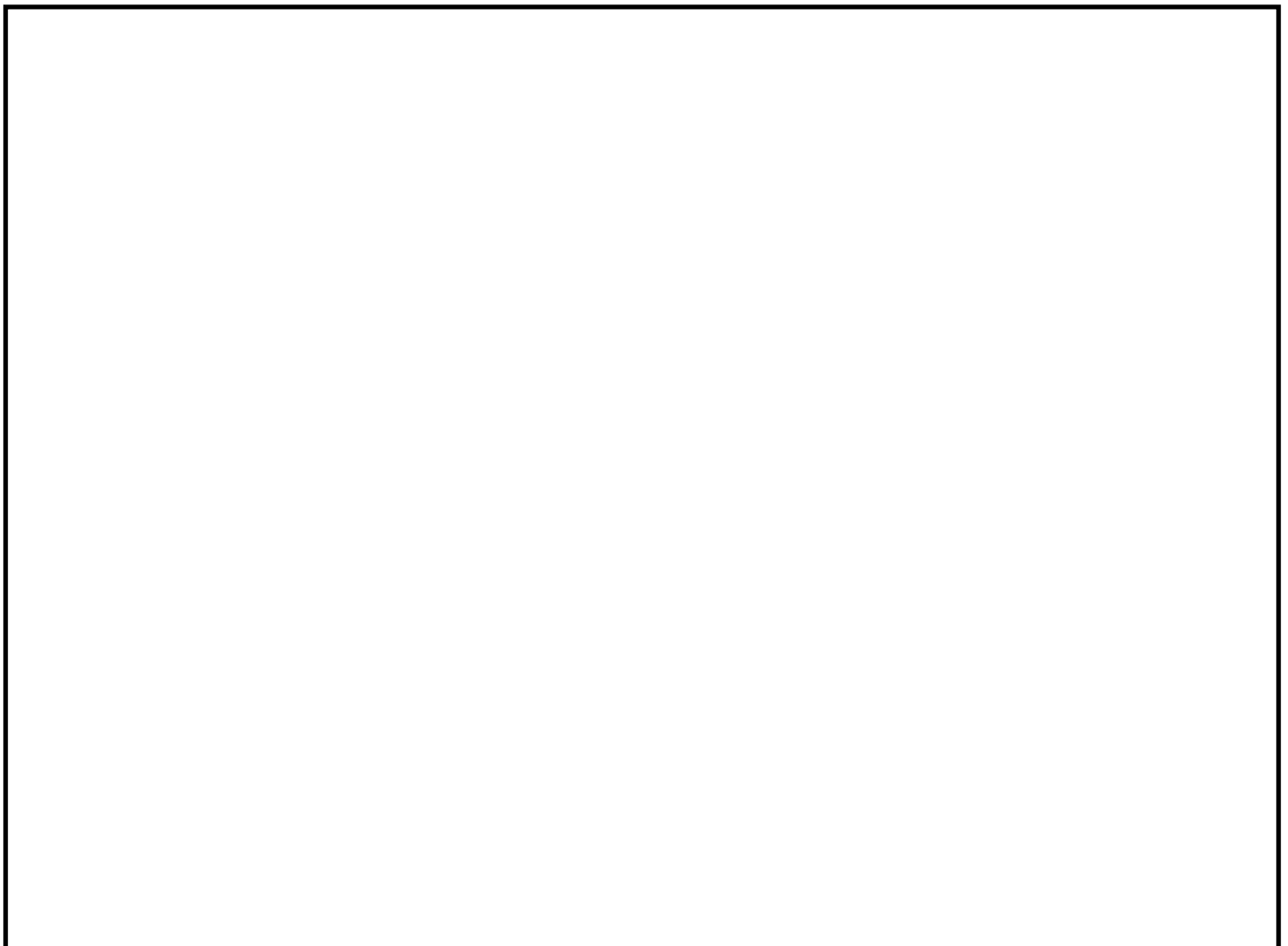
1

Study the instructions for the Frustrating Fruit vendor shown opposite. Draw a State Diagram below to represent their behaviour.



2

Use the space below to draw the State Diagram to represent the behaviour of the Fancy Fruit vendor.



### Frustrating Fruit Instructions:

If you are wearing:

#### A HAT

If the customer asks for an APPLE,  
give them a banana and take off your hat.

If the customer asks for a BANANA,  
give them a banana.

#### No HAT

If the customer asks for an APPLE,  
give them an apple and put on your hat.

If the customer asks for a BANANA,  
give them a banana.