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Assignment Part II – Explanation

* The static method copyFlyingObjects() does not work properly in our program.This is because Polymorphism works by inheritance, overriding and confusing casting. In our program, inheritance has been established. Overriding was not established because the copy constructors were not overridden since they don’t have the same exact name, and this is because the copy constructor uses the name of the class that has created it.
* In part 1 we were able to make the program work because we needed the getPrice(); method which has the same name for all the classes. Therefore, since it has the same exact name in each derived class, it was possible to override it. But, for our copy constructor that we have to invoke, it wouldn’t be possible to invoke the copy constructor of the specific class we want without clone(); because the copy constructors were not overridden therefore polymorphism cannot work. In clone(); it would have the same name in every class, so we would be able to use polymorphism. Late binding is not happening here because the compiler only sees one method to be used, it doesn’t have to choose between many.