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PA-2 Calculations

Coupling Ratio (Create Transaction):

\* Subassemblies = 3, Classes = 3

# Coupling Ration = 3/3 = 1

Coupling Ratio (Rebate):

\* Subassemblies = 3, Classes = 3

# Coupling Ration = 3/3 = 1

Cohesion (Sales)

* discounted = 3 methods, purchases = 2 methods, rebates = 2 methods
* number of fields = 3, number of methods = 6

# Cohesion = 7/18

Cohesion (Transaction)

* item = 1 method, month = 1 method, price = 1 method
* number of fields = 3, number of methods = 3

# Cohesion = 3/9 = 1/3

Cohesion (Promotion)

* discount = 1 method, month = 1 method
* number of fields = 2, number of methods = 2

**Cohesion = 2/4 = 1/2**

List of classes that violate SRP: **Sales.cs**

List of Classes that violate OCP: **Sales.cs**