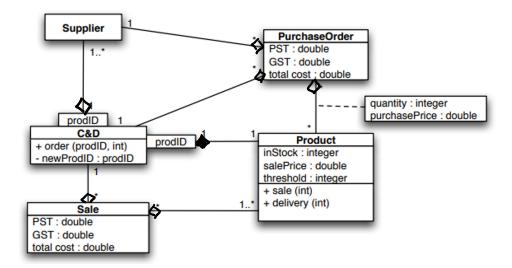
## CS 246 S2007 Final

a) N/A? b) False c) True d) False e) True f) True g) True h) False i) N/A j) N/A

```
void deepCopyVector(const vector<int*> v1, vector<int*> v1Copy) {
    if (v1.size() > v1Copy.size()) {
        for (int i = v1.size() - v1Copy.size(); i >= 0; --i) {
            v1Copy.push_back(new int);
        }
    while (v1.size() < v1Copy.size()) {
        int lastIndex = v1Copy.size() - 1;
        delete v1Copy.at(lastIndex);
        v1Copy.erase(lastIndex);
    }
    for (int i = 0; i < v1Copy.size(); ++i) {
        *v1Copy.at(i) = *v1.at(i);
    }
}</pre>
```

a) 1 b) 5 c) 6 d) 8 e) 4 f) 8 g) 7 h) 1 i) 2 j) 3





- An association class makes more sense, since a PurchaseOrder defines attributes of the relationship between the Supplier and C&D?
- Not covered :P
- class C&D {
   vector<Supplier\*> suppliers;
   map<ProdId, Product\*> products;
   vector <PurchaseOrder> purchaseOrders;

```
vector<Sale> sales;
public:

};

addProduct(Product* product) {
        ProdId prodId = newProdId();
        products[prodId] = product;
}

class IntVector {
    private:
        std::vector ivec;
public:
        IntVector(int size);
        void setVal(int index, int value) throw(std::out_of_range);
```

IntVector\* Add (IntVector \*v2) throw(std::out\_of\_range);

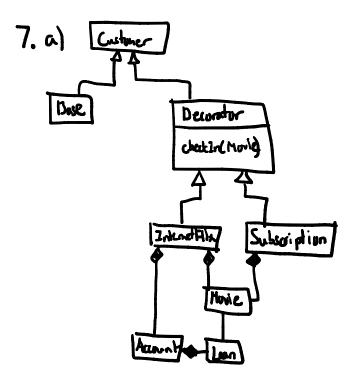
Interface specification not covered:P

B) a

**}**;

5.

- D) a, c
- E) ???



I am not sure how the Visitor Pattern is relevant here...