Std Code: 220

Std Number: | 2 | 1 | 0 | 1 | 0 | 4 | 0 | 0 | 4 | 0 | 3 | 9 | | |

```
double netArea(const vector<Shape*>& v){
        if (v.size() <= 0)
                return 0;
        int areaSquare = 0;
        int areaShape = 0;
        for (const auto shape: v) {
                if (shape->gettype() == "square")
                        areaSquare += shape->area();
                else
                        areaShape += shape->area();
        }
        return (areaSquare - areaShape);
}
```

```cpp
int main() {

        int netA;

        vector< Shape * > v(6);

        v[0] = new Circle(4);

        v[1] = new Rectangle(3,5);
        v[2] = new Square(5);

        v[3] = new Square(6);

        v[4] = new Circle(3);

        v[5] = new Rectangle(7,8);


        netA = netArea(v);

        std::cout << netA << std::endl;

        for (auto shape: v) //no leaks

                delete shape;

        return (0);

}
```