

double dispatch in Java

```
class node {
    public static void main(String[] args) {
        Pvisitor v1;        node n1;
        v1 = new Rvisitor();  n1 = new Anode();
        System.out.println("1st try"); v1.visit(n1);
        System.out.println("2nd try"); n1.accept(v1);
    }
    void accept(Pvisitor p1) { p1.visit(this); }
}
class Anode extends node {
    void accept(Pvisitor p1) { p1.visit(this); }
}
class visitor {
    void visit(node nn) { System.out.println(10); }
}
class Pvisitor extends visitor {
    void visit(Anode an) { System.out.println(1); }
}
class Rvisitor extends Pvisitor {
    void visit(Anode an) { System.out.println(5); }
}
```

Output is "1st try; 10; 2nd try; 5".