```java
class Controleur {
    private Vue1 vue1;
    private Vue2 vue2;
    private Modele modele1, modele2;

    public Controleur() {

        modele1 = new Modele();
        modele2 = new Modele();

        vue2 = new Vue2();
        vue1 = new Vue1(modele1, modele1);

        modele1.addObserver (vue1);
        modele1.addObserver(vue2);

        modele2.addObserver(vue1);
        modele2.addObserver(modele1);п

    }
        public void changeVal (int val) {
                m2.setVal(val);
        }

}


class Vue2 implements Observer {
    public void update (Observable obs, Object o) {
        System.out.println ((Modele)obs.getVal(););
    }
}

class Vue1 extends Vue2 {
    private Modele m2, m1;
    public Vue2(Modele m1, Modele m2) {
        this.m1=m1;
        this.m2=m2;
    }

        public void changeVal (int val) {
                m2.setVal(val);
                m1.setVal(val);
        }
    }

}




class Modele extends Observable implements Observer {
    private int valeur;

    public void setVal (int val) {
        valeur=val;
        setChanged();
        notifyObservers();
    }

    public void update (Observable obs, Object o) {
        System.out.println ((Modele)obs.getVal(););
    }

    public int getVal() {return valeur ;}
}
```