

```
public class AA {  
    private int x;  
  
    public AA() { this.x = 4; }  
    public AA(int x) { this.x = x; }  
    public int GetX() { return this.x; }  
    public virtual void Foo() { this.x = 3; }  
    public virtual void Goo() { this.x = x + 3; }  
    public void Bar() { Goo(); }  
    public override string ToString() { return "x = " + this.x; }  
}
```

```
public class BB : AA {  
    private int y;  
  
    public BB() : base() {  
        this.y = 2;  
    }  
    public BB(int a) : base(a) {  
        this.y = GetX() * 2;  
    }  
    public BB(int a, int b) : base(a) {  
        this.y = b;  
    }  
    public int GetY() { return this.y; }  
    public override void Foo() { this.y = 5; }  
    public override void Goo() { this.y = GetX() - 1; }  
    public void Bar(int a) {  
        this.y = a + GetX() + this.y;  
    }  
    public override string ToString() {  
        return base.ToString() + " y = " + this.y;  
    }  
}
```

```

AA[] items = new AA[6];
items[0] = new AA();
items[1] = new BB();
items[2] = new AA(2);
items[3] = new BB(2);
items[4] = new BB(1, 22);
items[5] = items[4];
for (int i = 0; i < items.Length; i++)
    Console.WriteLine(items[i]);

```

ציתרו את העצים שנוצרו, וכתבו מה הקוד מודפס.

ב. לפניכם המשך קטע הקוד:

```

items[0].Foo();
items[1].Goo();
((AA) items[3]).Goo();
items[4].Bar();
BB temp = new BB(1);
temp.Bar();
Console.WriteLine("Temp: " + temp);
temp.Bar(9);
items[2] = temp;
for (int i = 0; i < items.Length; i++)
    Console.WriteLine(items[i]);

```

כתבו מה הקוד מודפס.