

```

public class Arboles {
    public TNode<String> crearArbolUno() {

        TNode<String> x, y, z, w, u;
        x = new TNode<String>("A");

        y = new TNode<String>("B");

        z = new TNode<String>("C");

        w = new TNode<String>("D");

        u = new TNode<String>("E");

        x.left = y;
        x.right = z;

        y.right = w;
        z.left = u;

        return x;
    }

    public TNode<String> crearArbolDos() {

        TNode<String> x, y, z, w, u, p, q, r, s;
        x = new TNode<String>("A");

        y = new TNode<String>("B");

        z = new TNode<String>("C");

        w = new TNode<String>("D");

        u = new TNode<String>("E");

        p = new TNode<String>("F");

        q = new TNode<String>("G");

        r = new TNode<String>("H");

        s = new TNode<String>("J");

        x.left = y;
        x.right = z;

        y.left = w;
    }
}

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        y.right = u;

        z.right = p;

        u.left = q;

        p.left = r;
        p.right = s;

        return x;
    }

```

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public TNode<String> crearArbolTres() {
    TNode<String> x, y, z, w, u, p, q, r, s;
    x = new TNode<String>("A");

    y = new TNode<String>("B");

    z = new TNode<String>("C");

    w = new TNode<String>("D");

    u = new TNode<String>("E");

    p = new TNode<String>("F");

    q = new TNode<String>("G");

    r = new TNode<String>("H");

    s = new TNode<String>("I");

    x.left = y;
    x.right = z;

    z.left = u;
    z.right = p;

    y.left = w;
    w.right = q;

    u.left = r;
    u.right = s;

    return x;
}

```

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public void recorrerInOrder(TNode<String> raiz) {

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// 1er Paso
if (raiz.left != null) { // Pregunta SI existe el hijo izq
    recorrerInOrder(raiz.left);
}
// 2ndo Paso
System.out.println(raiz.value);

// 3er Paso
if (raiz.right != null) { // Pregunta SI existe el hijo izq
    recorrerInOrder(raiz.right);
}
}
}

```

```

public void recorrerPreOrder(TNode<String> raiz) {

    if (raiz != null) {
        System.out.println(raiz.value);
    }

    if (raiz.left != null) {
        recorrerPreOrder(raiz.left);
    }

    if (raiz.right != null) {
        recorrerPreOrder(raiz.right);
    }

}
}

```

```

public void recorrerPostOrder(TNode<String> raiz) {

    if (raiz.left != null) {
        recorrerPostOrder(raiz.left);
    }

    if (raiz.right != null) {
        recorrerPostOrder(raiz.right);
    }

    System.out.println(raiz.value);
}
}
}

```