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exemples_tab2tab.java

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```
//-----
// exemples_tab2tab.txt
//-----
// Ex1.java
//-----
class Ex1 {
    public static void main(String[] args) {
        int[][] t;
        t = new int[2][];
        System.out.println(t+" "+t[0]+" "+t[1]);
        t[0] = new int[3];
        System.out.println(t+" "+t[0]+" "+t[1]+" "+t[0][0]);
        t[1] = new int[2];
        System.out.println(t+" "+t[0]+" "+t[1]+" "+t[0][0]+" "+t[1][0]);
        t[0][0] = 1;
        t[0][1] = 2;
        t[0][2] = 3;
        t[1][0] = 11;
        t[1][1] = 12;
        System.out.println(t.length+" "+t[0].length+" "+t[1].length);
        System.out.println(t[0][0]+" "+t[0][1]+" "+t[0][2]);
        System.out.println(t[1][0]+" "+t[1][1]);
    }
}

/*
java Ex1
[[I@4a5ab2 null null
[[I@4a5ab2 [[I@1888759 null 0
[[I@4a5ab2 [[I@1888759 [[I@6e1408 0 0
2 3 2
1 2 3
11 12
*/

//-----
// Ex2.java
//-----
class Ex2 {
    public static void main(String[] args) {
        int[][] t = new int[2][3];
        for (int i=0; i<t.length; i++)
            System.out.print(t[i]+" ");
        System.out.println();

        t[0][0] = 1;
        t[0][1] = 2;
        t[0][2] = 3;
        t[1][0] = 11;
        t[1][1] = 12;

        for (int j=0; j<t[0].length; j++)
            System.out.print(t[0][j]+" ");
        System.out.println();
        for (int j=0; j<t[1].length; j++)
            System.out.print(t[1][j]+" ");
        System.out.println();
    }
}
```

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```

        t = new int[2][];
        System.out.println(t+" "+t[0]+" "+t[1]);
        int[] t1 = new int[3];
        int[] t2 = new int[2];
        System.out.println(t1+" "+t2);
        t[0] = t1;
        t[1] = t2;
        System.out.println(t+" "+t[0]+" "+t[1]);

        int[][] u1 = { {1, 2, 3}, {11, 12} };
        System.out.println(u1+" "+u1[0]+" "+u1[1]+" "+u1[0][0]+" "+u1[1][1]);
        int[][] u2 = { new int[3], {11, 12} };
        System.out.println(u2+" "+u2[0]+" "+u2[1]+" "+u2[0][0]+" "+u2[1][1]);
        int[][] u3 = { new int[3], new int[2] };
        System.out.println(u3+" "+u3[0]+" "+u3[1]+" "+u3[0][0]+" "+u3[1][1]);
    }
}

/*
java Ex2
1 2 3
11 12 0
[[I@e53108 null null
[[I@f62373 [[I@19189e1
[[[I@e53108 [[I@f62373 [[I@19189e1
[[[I@1f33675 [[I@7c6768 [[I@1690726 1 12
[[[I@5483cd [[I@9931f5 [[I@19ee1ac 0 12
[[[I@1f1fba0 [[I@1befab0 [[I@13c5982 0 0
*/

//-----
// Ex3.java
//-----
class Ex3 {
    public static void main(String[] args) {
        int[] t;
        t = new int[2];
        t[0] = 7;
        t[1] = -12;
        System.out.println(t[0]+t[1]);
        int[][] u = new int[2][];
        u[0] = new int[3];
        u[1] = t;
        u[1][1] = 3;
        u[0][2]++;
        System.out.println(t.length+" "+u.length+" "+u[0][2]);
    }
}

/*
java Ex3
-5
2 2 1
*/

//-----
//-----
```

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```
// Ex4.java

//-----
class Ex4 {
    public static void main(String[] args) {
        int[][] t = { {1, 2, 3}, {11, 12} };

        for (int j=0; j<t[0].length; j++)
            System.out.print(t[0][j]+" ");
        System.out.println();
        for (int j=0; j<t[1].length; j++)
            System.out.print(t[1][j]+" ");
        System.out.println();

        {
            int i = 0;
            for (int j=0; j<t[i].length; j++)
                System.out.print(t[i][j]+" ");
            System.out.println();
            i++;
            for (int j=0; j<t[i].length; j++) // meme boucle que ci-dessus
                System.out.print(t[i][j]+" ");
            System.out.println();
        }

        for (int i=0; i<t.length; i++) {
            for (int j=0; j<t[i].length; j++) // meme boucle que ci-dessus
                System.out.print(t[i][j]+" ");
            System.out.println();
        }
    }
}

//-----
/*
java Ex4
1 2 3
11 12
1 2 3
11 12
1 2 3
11 12
*/

//-----
//-----
// Ex5.java

//-----
class Ex5 {

    static void afficher(int[][] t) {
        for (int i=0; i<t.length; i++) {
            for (int j=0; j<t[i].length; j++)
                System.out.print(t[i][j]+" ");
            System.out.println();
        }
    }

    static void affecter(int[][] t, int[] tailles) {
        for (int i=0; i<t.length; i++)
            t[i] = new int[tailles[i]];
    }
}
```

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```
    }

    public static void main(String[] args) {
        int[][] t = new int[4][];
        int[] u = {2, 5, 0, 3};
        // afficher(t); // erreur execution car lignes de t non creees
        affecter(t, u);
        afficher(t);
    }
}

//-----
/*
java Ex5
0 0
0 0 0 0 0

0 0 0
*/

//-----
```