

```

public class SoluzioniLab3
{
static int occurrences(int a[], int n) {
    int i, count=0;

    for (i=0; i<a.length; i++)
        if (a[i]==n)
            count++;

    return count;
}

static int fact(int n) {
    int result=1;

    while (n>1) {
        result *= n;
        n--;
    }
    return result;
}

static int fact (int n) {
    int result=1;

    while (n>1) result *= n--;

    return result;
}

static boolean check(int a[], int lowerbound, int upperbound) {
    int i;
    boolean inbounds=true;

    for (i=0; inbounds && i<a.length; i++)
        if (a[i]<lowerbound || a[i]>upperbound)
            inbounds=false;

    return inbounds;
}

static int mcd(int x, int y) {
    while (x != 0 && y != 0)
        if (x > y)
            x = x % y;
        else
            y = y % x;

    if (x==0) return y;
    else return x;
}

static int minpos(int a[]) { //ci deve essere ALMENO un positivo
    int i=0, min;

    while (a[i]<=0) i++;
    min=a[i];
    for (; i<a.length; i++)
        if (a[i] > 0 && min > a[i])
            min=a[i];
}

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    return min;
}

static int minpos(int a[]) { //soluz "compatta"
    int i, min;

    for (i=0; a[i] <= 0; i++);
    for (min=a[i]; i < a.length; i++)
        if (a[i] > 0 && min > a[i])
            min=a[i];

    return min;
}
}
```