

Esercizio 1.

```
public static boolean[] m1 (int[][] a, int[] r, int k) {
    boolean[] b = new boolean[a.length];
    for (int i=0; i<a.length; i++) {
        int j=0, cont=0;
        while (j<a[i].length-1 && cont<k) {
            if (a[i][j] + a[i][j+1] == r[i])
                cont++;
            j++;
        }
        if (cont >= k) b[i] = true;
    }
    return b;
}
```

Esercizio 2.

```
public static String m2 (String s, char c) {
    String t = "";
    for (int i=0; i<s.length()-1; i++) {
        t = t + s.charAt(i) + c;
    }
    return t + s.charAt(s.length()-1);
}
```

Esercizio 3.

```
public static String m2R (String s, char c) {
    return m2R(s,c,"",0);
}

public static String m2R (String s, char c, String t, int i) {
    if (i==s.length()-1)
        return t + s.charAt(i);
    return m2R(s,c,t+s.charAt(i)+c,i+1);
}
```

Esercizio 4.

```
public static char[][] m4 (String[][] a) {
    char[][] c = new char[a.length][];
    for (int i=0; i<a.length; i++) {
        c[i] = new char[a[i].length];
        for (int j=0; j<a[i].length; j++) {
            if (a[i][j].length() == 0)
                c[i][j] = '+';
            else
                c[i][j] = a[i][j].charAt(0);
        }
    }
    return c;
}
```

Esercizio 5.

```
public static char[][] m4R (String[][] a) {
    char[][] c = new char[a.length][];
    return m4R(a,c,0,0);
}
```

```
public static char[][] m4R (String[][] a, char[][] c, int i, int j) {
    if (i==a.length) return c;
    if (j==0) c[i] = new char[a[i].length];
    if (j==a[i].length) return m4R(a,c,i+1,0);
    if (a[i][j].length() == 0)
        c[i][j] = '+';
    else
        c[i][j] = a[i][j].charAt(0);
    return m4R(a,c,i,j+1);
}
```