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public class TracciaA{
class Esercizio1{
  static void elabora(int[] v) {
    for (int i = 0; i < v.length; i++) {
      int s = 0;
      if (i % 2 == 0) {
        for (int j = i + 1; j < v.length; j++)
          s += v[j];
      }else{
        for (int j = i - 1; j >= 0; j--)
          s += v[j];
      }
      System.out.println(s);
    }
  }
  public static void main(String[] args) {
    int[] a = { 1, -1, 1, 1, 1, -1 };
    elabora(a);
  }
}

class Esercizio2{
  public static boolean verifica(int[] a, int x){
      for (int i = 0; i< a.length; i+=2)
        if (a[i] + a[i+1] >= x || a[i] * a[i+1] < x)
            return false;
        return true;
  }

  public static void main(String[] args) {
    int[] a = { 3, -2, 4, 7, 3, -1 };
    elabora(a);
  }
}


class Esercizio3{
    public static boolean verificaSomme(double[][] m){

        if (m == null || m[0] == null || m.length != m[0].length)
            return false;

        int n = m.length;
        double sr = 0;
        double sc = 0;
        double sd = 0;
        for (int i = 0; i < n; i++){
            sr += m[0][n-1];
            sc += m[i][0];
            sd += m[i][n-1-i];
        }

        if (sr == sc && sr == sd)
            return true;
        else
            return false;
    }
    public static double[] costruisciVettore(double[][] m, double k){
        double sd = 0;
        for (int i = 0; i < m.length; i++)
            sd += m[i][i];

        int v = 0;
        double[] temp = new double[m.length];
        for (int i = 0; i < m.length; i++){
            double s = 0;
            for (int j = 0; j < m.length; j++)
                s += m[j][i];
            if (s < k)
                temp[v++] = s + sd;
        }
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        double[] res = new double[v];
        for (int i = 0; i < m.length; i++)
            res[i] = temp[i];

        return res;
    }
    public static double[][] sottomatrice(double[][] m){
        int n = m.length/2;

        double[][] sm = new double[m.length][n];
        int x;
        if (m.length % 2 == 1)
            x = 1;
        else
            x = 0;
        for (int i = 0; i < m.length; i++){
            int h = 0;
            for (int j = 0; j < m.length-x; j++)
                if (i % 2 != j % 2){
                    sm[i][h] = m[i][j];
                    h++;
                }
        }
        return sm;

    }
}
```