```java
import java.io.*;
import java.util.*;

public class Main {
  public static void main(String [] args){
    Scanner s = new Scanner(System.in);
    System.out.println(s.nextInt()*3+s.nextInt()*4+s.nextInt()*5);
  }
}
```

```java
import java.io.*;
import java.util.*;

public class Main {
  public static void main(String [] args){
    Scanner s = new Scanner(System.in);
    int big = s.nextInt();
    int counter = 0;
    while(true){
      int cur = s.nextInt();
      if (big > cur){
        big+= cur;
        counter++;
      } else {
        break;
      }
    }
    System.out.println(big);
  }
}
```

```java
import java.io.*;
import java.util.*;

public class Main {
  public static void main(String [] args){
    Scanner s = new Scanner(System.in);
    int people = s.nextInt();
    int[] peoples = new int[people];
    int gold = 0;
    int silver = 0;
    int bronze = 0;
    for (int i = 0; i < people; i++){
      peoples[i] = s.nextInt();
      if (peoples[i]>=gold){
        gold = peoples[i];
      } else if (peoples[i]>=silver){
        silver = peoples[i];
      } else if (peoples[i]>=bronze){
        bronze = peoples[i];
      }
    }
    for (int i = 0; i < people; i++){
      if (peoples[i]>=gold){
        gold = peoples[i];
      } else if (peoples[i]>=silver){
        silver = peoples[i];
      } else if (peoples[i]>=bronze){
        bronze = peoples[i];
      }
    }
    for (int i = 0; i < people; i++){
      if (peoples[i]>=gold){
        gold = peoples[i];
      } else if (peoples[i]>=silver){
        silver = peoples[i];
      } else if (peoples[i]>=bronze){
        bronze = peoples[i];
      }
    }
    int counter = 0;
    for (int i = 0; i < people; i++){
      if (peoples[i]==bronze){
        counter++;
      }
    }
    System.out.println(bronze+" "+counter);
  }
}
```

```java
import java.io.*;
import java.util.*;

public class Main {
  public static void main(String [] args){
    Scanner s = new Scanner(System.in);
    String real = s.next();
    String display = s.next();

    char silly = ' ';
    char silly2 = ' ';
    char quiet = '-';
    int push = 0;

    String displayR1 = "";

    int i = 0;
    int j = 0;
    while(true){ //first is silly
      if (real.charAt(i) == display.charAt(j)){
        displayR1 = displayR1 + real.charAt(i);
      } else if (silly == ' '){
        silly = real.charAt(i);
        silly2 = display.charAt(j);
        displayR1 = displayR1 + silly2;;
      } else if (display.charAt(j) == silly2){
        displayR1 = displayR1 + silly2;
      } else if (quiet == '-'){
        quiet = real.charAt(i);
        j--;
      } else if (real.charAt(i)==quiet){
        j--;
      }

      if (j == display.length()-1||
      (j>=100)&&displayR1.equals(display.substring(0,j))&&silly2!=' '&&quiet!=' ')
        break;

      i++;
      j++;
    }

    if (quiet=='-'&&real.length()!=display.length()){
      quiet = real.charAt(real.length()-1);
    }
    if (displayR1.equals(display)){
      System.out.println(silly + " " + silly2);
      System.out.println(quiet);
    } else {




    displayR1 = "";
    // reset
    silly = ' ';
    silly2 = ' ';
    quiet = '-';

    i = 0;
    j = 0;
    while(true){ //first is quiet
      if (real.charAt(i) == display.charAt(j)){
        displayR1 = displayR1 + real.charAt(i);
      } else if (quiet == '-'){
        quiet = real.charAt(i);
        j--;
      } else if (real.charAt(i)==quiet){
        j--;
      } else if (silly == ' '){
        silly = real.charAt(i);
        silly2 = display.charAt(j);
        displayR1 = displayR1 + silly2;;
      } else if (display.charAt(j) == silly2){
        displayR1 = displayR1 + silly2;
      }

      if (j == display.length()-1||
      (j>=100)&&displayR1.equals(display.substring(0,j))&&silly2!=' '&&quiet!=' ')
        break;

      i++;
      j++;
    }
    if (quiet=='-'&&real.length()!=display.length()){
      quiet = real.charAt(real.length()-1);
    }
    if (displayR1.equals(display)){
      System.out.println(silly + " " + silly2);
      System.out.println(quiet);
    }
    }

  }
}
```

```java
import java.io.*;
import java.util.*;

public class Main {
  static String[][] matrix;
  static int amountR;
  static int amountC;
  static int points;

  public static void looper(int guyR, int guyC, int dirR, int dirC) {
    guyR+=dirR;
    guyC+=dirC;
    if (guyR < 0 || guyR >= amountR || guyC < 0 || guyC >= amountC) {
      return;
    }
    if (matrix[guyR][guyC].equals("*")) {
      return;
    }
    if (matrix[guyR][guyC].equals("0")) {
      return;
    }
    if (matrix[guyR][guyC].equals("L")) {
      points += 10;
      matrix[guyR][guyC] = "0";
    } else if (matrix[guyR][guyC].equals("M")) {
      points += 5;
      matrix[guyR][guyC] = "0";
    } else if (matrix[guyR][guyC].equals("S")) {
      points += 1;
      matrix[guyR][guyC] = "0";
    }
    looper(guyR, guyC, 1, 0 );
    looper(guyR, guyC, -1, 0 );
    looper(guyR, guyC, 0, 1 );
    looper(guyR, guyC, 0, -1 );
  }

  public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    amountR = s.nextInt();
    amountC = s.nextInt();
    matrix = new String[amountR][amountC];

    for (int i = 0; i < amountR; i++) {
      String cur = s.next();
      for (int j = 0; j < amountC; j++) {
        matrix[i][j] = String.valueOf(cur.charAt(j));
      }
    }

    int guyR = s.nextInt();
    int guyC = s.nextInt();
    if (matrix[guyR][guyC].equals("L")) {
      points += 10;
      matrix[guyR][guyC] = "0";
    } else if (matrix[guyR][guyC].equals("M")) {
      points += 5;
      matrix[guyR][guyC] = "0";
    } else if (matrix[guyR][guyC].equals("S")) {
      points += 1;
      matrix[guyR][guyC] = "0";
    }
    looper(guyR, guyC, 0, 1);
    looper(guyR, guyC, 0, -1);
    looper(guyR, guyC, 1, 0);
    looper(guyR, guyC, -1, 0);
    System.out.println(points);
  }
}
```

```java
import java.io.*;
import java.util.*;
import java.lang.*;

public class Main {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        int reg = 0;
        int amount = s.nextInt();
        int[] firstH = new int[amount/2+1];
        for (int i = 1; i <= amount/2; i++){
          firstH[i] = s.nextInt();
        }
        for (int i = 1; i <= amount/2; i++){
          int cur = s.nextInt();
          if (cur==firstH[i])
            reg++;
        }
        System.out.println(reg*2);
    }
}
```

```java
import java.io.*;
import java.util.*;
import java.lang.*;

public class Main {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        int sAmount  = s.nextInt();
        int sLetters = s.nextInt();
        for (int i = 0; i < sAmount; i++){
          String cur = s.next();
          HashMap<String,Boolean> info = new HashMap<>();
          for (int j = 0; j < sLetters; j++){ // all in map
            String curL = String.valueOf(cur.charAt(j));
            if (info.containsKey(curL)){
              info.put(curL, true);
            } else {
              info.put(curL, false);
            }
          }
          boolean heavy;
          boolean alternating = true;
          if (info.get(String.valueOf(cur.charAt(0)))==false){ // start
            heavy = false;
          } else {
            heavy = true;
          }
          for (int j = 1; j < sLetters; j++){
            String curL = String.valueOf(cur.charAt(j));
            if (info.get(curL)==heavy){
              alternating = false;
              break;
            } else {
              if (heavy){
                heavy = false;
              } else {
                heavy = true;
              }
            }
          }
          if (alternating){
            System.out.println("T");
          } else {
            System.out.println("F");
          }
        }
    }
}
```

```
import java.io.*;
import java.util.*;
import java.lang.*;

public class Main {
  static String uC;
  static String[][] u = new String[3][3];
  static String dC;
  static String[][] d = new String[3][3];
  static String fC;
  static String[][] f = new String[3][3];
  static String bC;
  static String[][] b = new String[3][3];
  static String rC;
  static String[][] r = new String[3][3];
  static String lC;
  static String[][] l = new String[3][3];

  public static void uTurn(int amount){
    for (int i = 0; i < amount; i++){
      String bufferCorner = u[0][0];
      String bufferEdge = u[0][1];
      u[0][0] = u[2][0];
```

```
    u[2][0] = u[2][2];
    u[2][2] = u[0][2];
    u[0][2] = bufferCorner;
    u[0][1] = u[1][0];
    u[1][0] = u[2][1];
    u[2][1] = u[1][2];
    u[1][2] = bufferEdge;

    bufferCorner = f[0][0];
    f[0][0] = r[0][0];
    r[0][0] = b[0][0];
    b[0][0] = l[0][0];
    l[0][0] = bufferCorner;

    bufferCorner = f[0][2];
    f[0][2] = r[0][2];
    r[0][2] = b[0][2];
    b[0][2] = l[0][2];
    l[0][2] = bufferCorner;

    bufferEdge = f[0][1];
    f[0][1] = r[0][1];
    r[0][1] = b[0][1];
    b[0][1] = l[0][1];
    l[0][1] = bufferEdge;
  }
}
public static void dTurn(int amount){
  for (int i = 0; i < amount; i++){
    String bufferCorner = d[0][0];
    String bufferEdge = d[0][1];
    d[0][0] = d[2][0];
    d[2][0] = d[2][2];
    d[2][2] = d[0][2];
    d[0][2] = bufferCorner;
    d[0][1] = d[1][0];
    d[1][0] = d[2][1];
    d[2][1] = d[1][2];
    d[1][2] = bufferEdge;

    bufferCorner = f[2][0];
    f[2][0] = l[2][0];
    l[2][0] = b[2][0];
    b[2][0] = r[2][0];
```

```
    r[2][0] = bufferCorner;

    bufferCorner = f[2][2];
    f[2][2] = l[2][2];
    l[2][2] = b[2][2];
    b[2][2] = r[2][2];
    r[2][2] = bufferCorner;

    bufferEdge = f[2][1];
    f[2][1] = l[2][1];
    l[2][1] = b[2][1];
    b[2][1] = r[2][1];
    r[2][1] = bufferEdge;
  }
}
public static void rTurn(int amount){
  for (int i = 0; i < amount; i++){
    String bufferCorner = r[0][0];
    String bufferEdge = r[0][1];
    r[0][0] = r[2][0];
    r[2][0] = r[2][2];
    r[2][2] = r[0][2];
    r[0][2] = bufferCorner;
    r[0][1] = r[1][0];
    r[1][0] = r[2][1];
    r[2][1] = r[1][2];
    r[1][2] = bufferEdge;

    bufferCorner = f[0][2];
    f[0][2] = d[0][2];
    d[0][2] = b[2][0];
    b[2][0] = u[0][2];
    u[0][2] = bufferCorner;

    bufferCorner = f[2][2];
    f[2][2] = d[2][2];
    d[2][2] = b[0][0];
    b[0][0] = u[2][2];
    u[2][2] = bufferCorner;

    bufferEdge = f[1][2];
    f[1][2] = d[1][2];
    d[1][2] = b[1][0];
    b[1][0] = u[1][2];
```

```
    u[1][2] = bufferEdge;
  }
}
public static void lTurn(int amount){
  for (int i = 0; i < amount; i++){
    String bufferCorner = l[0][0];
    String bufferEdge = l[0][1];
    l[0][0] = l[2][0];
    l[2][0] = l[2][2];
    l[2][2] = l[0][2];
    l[0][2] = bufferCorner;
    l[0][1] = l[1][0];
    l[1][0] = l[2][1];
    l[2][1] = l[1][2];
    l[1][2] = bufferEdge;

    bufferCorner = f[0][0];
    f[0][0] = u[0][0];
    u[0][0] = b[2][2];
    b[2][2] = d[0][0];
    d[0][0] = bufferCorner;

    bufferCorner = f[2][0];
    f[2][0] = u[2][0];
    u[2][0] = b[0][2];
    b[0][2] = d[2][0];
    d[2][0] = bufferCorner;

    bufferEdge = f[1][0];
    f[1][0] = u[1][0];
    u[1][0] = b[1][2];
    b[1][2] = d[1][0];
    d[1][0] = bufferEdge;
  }
}
public static void fTurn(int amount){
  for (int i = 0; i < amount; i++){
    String bufferCorner = f[0][0];
    String bufferEdge = f[0][1];
    f[0][0] = f[2][0];
    f[2][0] = f[2][2];
    f[2][2] = f[0][2];
    f[0][2] = bufferCorner;
    f[0][1] = f[1][0];
```

```
    f[1][0] = f[2][1];
    f[2][1] = f[1][2];
    f[1][2] = bufferEdge;

    bufferCorner = u[2][0];
    u[2][0] = l[2][2];
    l[2][2] = d[0][2];
    d[0][2] = r[0][0];
    r[0][0] = bufferCorner;

    bufferCorner = u[2][2];
    u[2][2] = l[0][2];
    l[0][2] = d[0][0];
    d[0][0] = r[2][0];
    r[2][0] = bufferCorner;

    bufferEdge = u[2][1];
    u[2][1] = l[1][2];
    l[1][2] = d[0][1];
    d[0][1] = r[1][0];
    r[1][0] = bufferEdge;
  }
}
public static void bTurn(int amount){
  for (int i = 0; i < amount; i++){
    String bufferCorner = b[0][0];
    String bufferEdge = b[0][1];
    b[0][0] = b[2][0];
    b[2][0] = b[2][2];
    b[2][2] = b[0][2];
    b[0][2] = bufferCorner;
    b[0][1] = b[1][0];
    b[1][0] = b[2][1];
    b[2][1] = b[1][2];
    b[1][2] = bufferEdge;

    bufferCorner = u[0][2];
    u[0][2] = r[2][2];
    r[2][2] = d[2][0];
    d[2][0] = l[0][0];
    l[0][0] = bufferCorner;

    bufferCorner = u[0][0];
    u[0][0] = r[0][2];
```

```
      r[0][2] = d[2][2];
      d[2][2] = l[2][0];
      l[2][0] = bufferCorner;

      bufferEdge = u[0][1];
      u[0][1] = r[1][2];
      r[1][2] = d[2][1];
      d[2][1] = l[1][0];
      l[1][0] = bufferEdge;
    }
  }
  public static String yesNo(){
    if (
fC.equals(f[0][0]) &&
fC.equals(f[0][1]) &&
fC.equals(f[0][2]) &&
fC.equals(f[1][0]) &&
fC.equals(f[1][2]) &&
fC.equals(f[2][0]) &&
fC.equals(f[2][1]) &&
fC.equals(f[2][2]) &&

bC.equals(b[0][0]) &&
bC.equals(b[0][1]) &&
bC.equals(b[0][2]) &&
bC.equals(b[1][0]) &&
bC.equals(b[1][2]) &&
bC.equals(b[2][0]) &&
bC.equals(b[2][1]) &&
bC.equals(b[2][2]) &&

dC.equals(d[0][0]) &&
dC.equals(d[0][1]) &&
dC.equals(d[0][2]) &&
dC.equals(d[1][0]) &&
dC.equals(d[1][2]) &&
dC.equals(d[2][0]) &&
dC.equals(d[2][1]) &&
dC.equals(d[2][2]) &&

uC.equals(u[0][0]) &&
uC.equals(u[0][1]) &&
uC.equals(u[0][2]) &&
uC.equals(u[1][0]) &&
```

```
uC.equals(u[1][2]) &&
uC.equals(u[2][0]) &&
uC.equals(u[2][1]) &&
uC.equals(u[2][2]) &&

rC.equals(r[0][0]) &&
rC.equals(r[0][1]) &&
rC.equals(r[0][2]) &&
rC.equals(r[1][0]) &&
rC.equals(r[1][2]) &&
rC.equals(r[2][0]) &&
rC.equals(r[2][1]) &&
rC.equals(r[2][2]) &&

lC.equals(l[0][0]) &&
lC.equals(l[0][1]) &&
lC.equals(l[0][2]) &&
lC.equals(l[1][0]) &&
lC.equals(l[1][2]) &&
lC.equals(l[2][0]) &&
lC.equals(l[2][1]) &&
lC.equals(l[2][2])
        ){
          return "Solved!";
        }
        return "Boo!";
  }
  public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
    Main z = new Main();
    String reader = s.next();
    f[0][0] = String.valueOf(reader.charAt(0));
    f[0][1] = String.valueOf(reader.charAt(1));
    f[0][2] = String.valueOf(reader.charAt(2));
    reader = s.next();
    f[1][0] = String.valueOf(reader.charAt(0));
    f[1][1] = String.valueOf(reader.charAt(1));
    fC = f[1][1];
    f[1][2] = String.valueOf(reader.charAt(2));
    reader = s.next();
    f[2][0] = String.valueOf(reader.charAt(0));
    f[2][1] = String.valueOf(reader.charAt(1));
    f[2][2] = String.valueOf(reader.charAt(2));
```

```
reader = s.next();
l[0][0] = String.valueOf(reader.charAt(0));
l[0][1] = String.valueOf(reader.charAt(1));
l[0][2] = String.valueOf(reader.charAt(2));
reader = s.next();
l[1][0] = String.valueOf(reader.charAt(0));
l[1][1] = String.valueOf(reader.charAt(1));
lC = l[1][1];
l[1][2] = String.valueOf(reader.charAt(2));
reader = s.next();
l[2][0] = String.valueOf(reader.charAt(0));
l[2][1] = String.valueOf(reader.charAt(1));
l[2][2] = String.valueOf(reader.charAt(2));

reader = s.next();
b[0][0] = String.valueOf(reader.charAt(0));
b[0][1] = String.valueOf(reader.charAt(1));
b[0][2] = String.valueOf(reader.charAt(2));
reader = s.next();
b[1][0] = String.valueOf(reader.charAt(0));
b[1][1] = String.valueOf(reader.charAt(1));
bC = b[1][1];
b[1][2] = String.valueOf(reader.charAt(2));
reader = s.next();
b[2][0] = String.valueOf(reader.charAt(0));
b[2][1] = String.valueOf(reader.charAt(1));
b[2][2] = String.valueOf(reader.charAt(2));

reader = s.next();
r[0][0] = String.valueOf(reader.charAt(0));
r[0][1] = String.valueOf(reader.charAt(1));
r[0][2] = String.valueOf(reader.charAt(2));
reader = s.next();
r[1][0] = String.valueOf(reader.charAt(0));
r[1][1] = String.valueOf(reader.charAt(1));
rC = r[1][1];
r[1][2] = String.valueOf(reader.charAt(2));
reader = s.next();
r[2][0] = String.valueOf(reader.charAt(0));
r[2][1] = String.valueOf(reader.charAt(1));
r[2][2] = String.valueOf(reader.charAt(2));

reader = s.next();
d[0][0] = String.valueOf(reader.charAt(0));
```

```
d[0][1] = String.valueOf(reader.charAt(1));
d[0][2] = String.valueOf(reader.charAt(2));
reader = s.next();
d[1][0] = String.valueOf(reader.charAt(0));
d[1][1] = String.valueOf(reader.charAt(1));
dC = d[1][1];
d[1][2] = String.valueOf(reader.charAt(2));
reader = s.next();
d[2][0] = String.valueOf(reader.charAt(0));
d[2][1] = String.valueOf(reader.charAt(1));
d[2][2] = String.valueOf(reader.charAt(2));

reader = s.next();
u[2][2] = String.valueOf(reader.charAt(0));
u[2][1] = String.valueOf(reader.charAt(1));
u[2][0] = String.valueOf(reader.charAt(2));
reader = s.next();
u[1][2] = String.valueOf(reader.charAt(0));
u[1][1] = String.valueOf(reader.charAt(1));
uC = u[1][1];
u[1][0] = String.valueOf(reader.charAt(2));
reader = s.next();
u[0][2] = String.valueOf(reader.charAt(0));
u[0][1] = String.valueOf(reader.charAt(1));
u[0][0] = String.valueOf(reader.charAt(2));
int queries = s.nextInt();
for (int i = 0; i < queries; i++){
  String cur = s.next();
  int amount;
  if (cur.charAt(1)=='C'){
    amount = 1;
  } else {
    amount = 3;
  }
  if (cur.charAt(0)=='1'){
    z.fTurn(amount);
  } else if (cur.charAt(0)=='2'){
    z.lTurn(amount);
  } else if (cur.charAt(0)=='3'){
    z.bTurn(amount);
  } else if (cur.charAt(0)=='4'){
    z.rTurn(amount);
  } else if (cur.charAt(0)=='5'){
    z.dTurn(amount);
```

```
      } else if (cur.charAt(0)=='6'){
        z.uTurn(amount);
      }
    }
    System.out.println(z.yesNo());
  }
}
```