```
import java.util.*;

public class priorty {
   public static void main(String args[]) {
      Scanner in = new Scanner(System.in);
      System.out.println("Enter the no. of processes: ");
      int num = in.nextInt();
      int B[] = new int[num];
      int p[] = new int[num];

      for (int i = 0; i < num; i++) {
         System.out.println("Enter the burst time for process " + (i + 1) + ": ");
         B[i] = in.nextInt();
      }

      for (int i = 0; i < num; i++) {
         System.out.println("Enter the priority value for process " + (i + 1) + ": ");
         p[i] = in.nextInt();
      }


      for (int i = 0; i < num - 1; i++) {
         for (int j = 0; j < num - 1 - i; j++) {
            if (p[j] > p[j + 1]) {

               int temp = p[j];
               p[j] = p[j + 1];
               p[j + 1] = temp;
```

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            int tempB = B[j];
            B[j] = B[j + 1];
            B[j + 1] = tempB;
          }
        }
      }

      int wait = 0;
      float total = 0;

      System.out.println("Process \tBurst time\tWaiting time");
      for (int i = 0; i < num; i++) {
        System.out.println("p" + (i + 1) + "\t\t" + B[i] + "\t\t\t" + wait);
        total += wait;
        wait += B[i];
      }

      System.out.println("The average waiting time is: " + (total / num));
    }
}
```