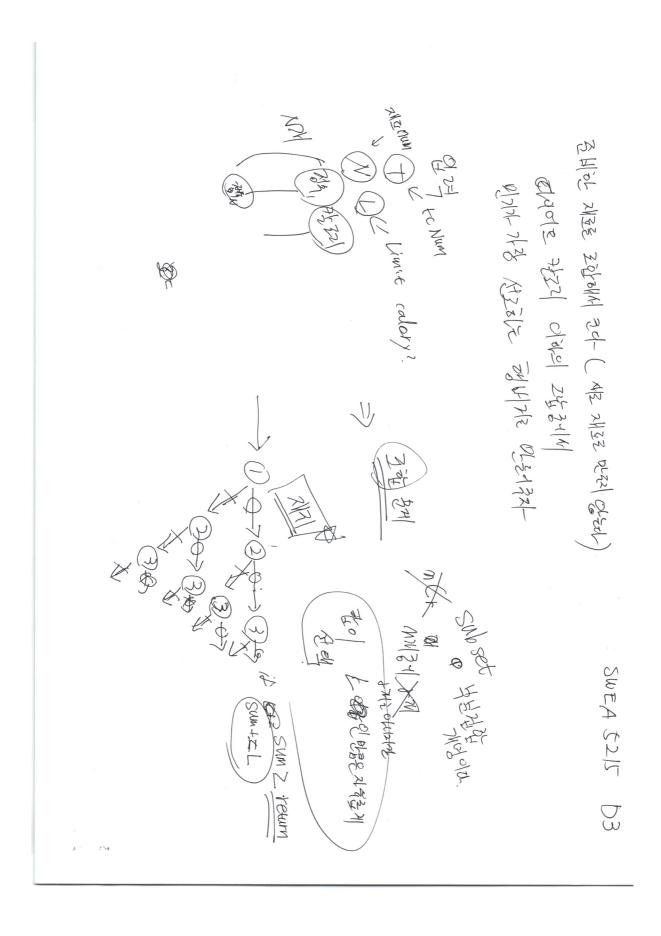
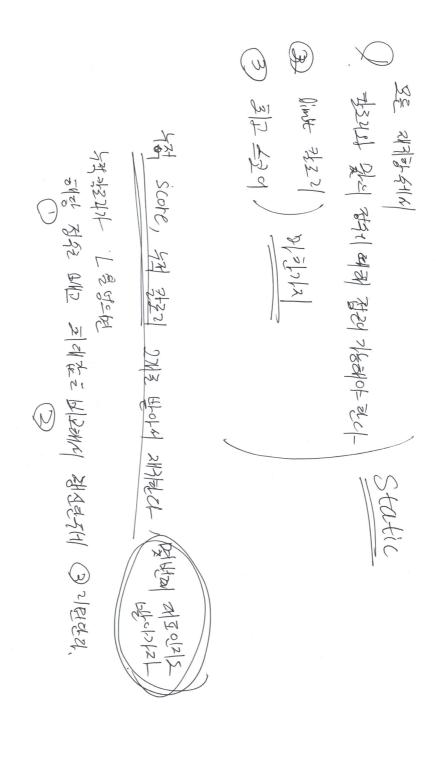
SWEA 5215 햄버거 다이어트







import java.awt.BufferCapabilities; import java.io.BufferedReader;

```
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.StringTokenizer;
//public class Solution {
public class SWEA5215_D3_1 {
  static IngreInfo[] info = null;
  static int num;
  static int limit;
  static int maxScore;
  public static void main(String[] args) throws NumberFormatException, IOException {
    System.setIn(new FileInputStream("C:/CodingStudy/SWEA/D3/5215_input.txt"));
    BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
    int T = Integer.parseInt(br.readLine());
    StringTokenizer st;
    for (int tc = 1; tc <= T; tc++) {
      maxScore = 0;
      st = new StringTokenizer(br.readLine());
      num = Integer.parseInt(st.nextToken());
      limit = Integer.parseInt(st.nextToken());
      info = new IngreInfo[num];
      for (int i = 0; i < num; i++) {
       info[i] = new IngreInfo();
      }
      for (int i = 0; i < num; i++) {
        st = new StringTokenizer(br.readLine());
        info[i].score = Integer.parseInt(st.nextToken());
        info[i].calorie = Integer.parseInt(st.nextToken());
      } // end input
      findMax(0, 0, 0); // start find MaxScore
      System.out.println("#" + tc + " " + maxScore);
    } // end tc
  }// end main
  public static void findMax(int idx, int sumScore, int sumCalorie) {
    if (idx \geq num) {
      if (sumCalorie <= limit) {</pre>
        if (maxScore < sumScore)</pre>
          maxScore = sumScore;
      }
      return;
    if (sumCalorie + info[idx].calorie <= limit)</pre>
      findMax(idx + 1, sumScore + info[idx].score, sumCalorie + info[idx].calorie);
    findMax(idx + 1, sumScore, sumCalorie);
  }
  public static class IngreInfo {
    int score = 0;
    int calorie = 0;
```

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}