UIL Computer Science Competition

District 2020

JUDGES PACKET - CONFIDENTIAL

I. Instructions

1. The attached printouts of the judge test data are provided for the reference of the contest director and programming judges. Additional copies may be made if needed for this purpose.

2. This packet must remain CONFIDENTIAL. Additional copies may be made and returned to schools when other confidential contest material is returned.

II. Table of Contents

Problem #1
60 Points

1. Abril

Program Name: Abril.java **Input File: None**

Test Output To Screen:

```
    UIL 2020
  Java Program
    Launch!
================
        ^
        ^
        |
       | |
      |   |
     |_____|
     |     |
     |     |
     |  U  |
     |  I  |
     |  L  |
     |     |
     |  T  |
     |  X  |
     |     |
     |     |
     [-----]
      |###|
       |#|
        #
       <#>
      (###)
     {~~~~~}
    {~~} {~~}
   {~~}   {~~}
  {~~~~} {~~~~}
{~~~~~} {~~~~~}
```

Problem #2
60 Points

2. Brittany

Program Name: Brittany.java **Input File: brittany.dat**

Test Input File: *(data all on one line in file)*

```
999.99 132.30 80.17 434.99 962.68 754.54 31.36 603.81 816.73
36.41 93.45 51.71 0.01
```

Test Output To Screen:

```
4998.15 384.47
```

Problem #3
60 Points

3. Emmanuel

Program Name: Emmanuel.java **Input File: emmanuel.dat**

Test Input File:

```
10
{1,2,3,4,5,6,7,8,9,10,1}
{10,9,8,7,6,5,4,3,2,1,1}
{1,55,25,55,75,55,80,2,55}
{3}
{1,4,1,2,2,6,6,8,4,9,44,66,33,76,23,4}
```

(this data set all on one line in data file)

```
{96,40,42,30,47,40,61,88,36,87,94,60,33,84,62,83,27,80,51,95,63,
49,66,24,97,93,38,15,81,64,40,75,76,31,79,54,41,32,70,57,20,11,7
3,72,50,39,86,5,34,37,13,23,55,35,40,43,77,65,12,82,3,28,46,53,6
,17,29,9,25,69,67,26,78,48,19,89,40,10,40,91,85,8,56,21,98,16,71
,18,90,22,52,68,92,58,59}
```

(end of data set line)

```
{5,1,5}
{1,5,1}
{5,8,33,45,8,45,23,8,87,8,73,8,9,8}
{1,1,1,1,1,1,1,1}
```

Test Output To Screen:

```
1 appeared 2 time(s)
1 appeared 2 time(s)
55 appeared 4 time(s)
3 appeared 1 time(s)
4 appeared 3 time(s)
40 appeared 6 time(s)
5 appeared 2 time(s)
1 appeared 2 time(s)
8 appeared 6 time(s)
1 appeared 8 time(s)
```

Problem #4
60 Points

4. Guowei

Program Name: Guowei.java **Input File: guowei.dat**

Test Input File: *(sentences each all on one line in data file)*

```
7
5
All Tom Green County schools will have a 10 o'clock start tomorrow
morning.
25
NEWS FLASH! Mayor Bob Baggins has announced his campaign for Texas
State Senate seat District 19.
67
Don't miss the Children's Miracle Network Telethon.
59
Don't miss the Children's Miracle Network Telethon Sunday, June 14th
right here on KUIL.
118
The following counties are under a severe weather watch until
midnight: Runnels, Coleman, Coke, Sterling and Tom Green.
156
test test test test test test test test a
1
District UIL academic contest for all area schools will be March 23 -
28.
```

Test Output To Screen:

```
om Green County schools will have a 10 o
gins has announced his campaign for Texa
Children's Miracle Network Telethon. Don
June 14th right here on KUIL. Don't miss
. The following counties are under a sev
test test a test test test test test tes
istrict UIL academic contest for all are
```

Problem #5
60 Points

5. Ina

Program Name: Ina.java **Input File: ina.dat**

Note: The judge data file contains over 1300 lines. This page shows the first 200 data items. See the judge data file for the complete input data listing.

Test Input File:

```
16          1 94        1 71        13 1        100 50      1 29        46 1
5 1 2       1 49        1 84        1 79        475388      1 51        66 1
1 2         1 17        24 1        1 23        56 1        53 1        1 6
1 3         40 1        1 61        6 1         1 49        1 39        95 1
3 4         1 90        78 1        46 1        1 79        1 75        1 50
3 5         1 96        10 1        43 1        1 16        1 2         1 55
3 2 4       80 1        1 100       41 1        1 89        92 1        70 1
1 2         1 29        1 39        1 25        96 1        1 61        88 1
3 2         69 1        1 31        12 1        94 1        1 99        34 1
5 5 3       99 1        1 47        1 22        1 83        47 1        12 1
5 3         1 82        66 1        28 1        45 1        1 36        4 1
2 1         56 1        1 76        1 30        1 18        11 1        3 1
1 3         88 1        1 34        63 1        1 48        17 1        1 8
2 4         3 1         1 62        1 54        1 91        37 1        1 74
100 1       89 1        83 1        11 1        25 1        76 1        1 15
254369      1 45        1 68        70 1        64 1        28 1        1 21
1 85        19 1        1 14        1 52        1 72        1 86        1 20
1 91        38 1        74 1        1 5         1 26        1 14        1 31
1 37        1 26        1 36        1 75        63 1        1 98        1 59
1 15        44 1        1 58        1 57        81 1        84 1        19 1
1 20        92 1        42 1        1 50        90 1        52 1        1 67
86 1        1 7         1 72        1 87        1 13        82 1        58 1
81 1        95 1        1 21        1 32        93 1        22 1        1 68
1 35        73 1        1 2         1 51        33 1        1 42        1 23
93 1        27 1        1 8         77 1        65 1        1 35        100 1
4 1         18 1        60 1        9 1         1 10        1 7         62 1
1 48        64 1        55 1        16 1        1 69        24 1        1 87
1 67        1 59        53 1        1 97        57 1        1 80        38 1
1 65        1 33        98 1                    60 1        71 1        1 44
```

Test Output To Screen:

```
Case #1: 6
Case #2: 8
Case #3: 12
Case #4: 25182531
Case #5: 47063412
Case #6: 16041326
Case #7: 34124482
Case #8: 21978495
Case #9: 16101813
Case #10: 12357310
Case #11: 10443891
Case #12: 16075370
Case #13: 5065068
Case #14: 1642199
Case #15: 939757
Case #16: 9349236
```

Problem #6
60 Points

6. Josefa

Program Name: Josefa.java **Input File: josefa.dat**

Test Input File:

```
10
15
-16
-49
72
0
-1
1
-128
127
-100
```

Test Output To Screen:

```
15 = 00001111
-16 = 11110000
-49 = 11001111
72 = 01001000
0 = 00000000
-1 = 11111111
1 = 00000001
-128 = 10000000
127 = 01111111
-100 = 10011100
```

Problem #7
60 Points

7. Kenneth

Program Name: Kenneth.java **Input File: kenneth.dat**

Test Input File:

```
8
1 9 4 8 7 2 3 5 6
8 7 5 6 3 4 1 9 2
3 6 2 9 5 1 4 7 8
6 2 1 7 8 9 5 3 4
9 8 3 4 6 5 2 1 7
5 4 7 1 2 3 6 8 9
4 5 6 3 9 8 7 2 1
7 3 9 2 1 6 8 4 5
2 1 8 5 4 7 9 6 3
1 9 4 8 7 2 3 5 6
8 7 5 6 3 4 1 9 2
3 6 2 4 5 1 9 7 8
6 2 1 7 8 9 5 3 4
9 8 3 4 6 5 2 1 7
5 4 7 1 2 3 6 8 9
9 5 6 3 4 8 7 2 1
7 3 9 2 1 6 8 4 5
2 1 8 5 4 7 9 6 3
4 1 6 5 7 2 9 3 8
7 8 2 6 3 9 2 1 4
3 2 9 8 4 1 7 5 6
1 6 8 3 2 7 5 4 9
5 9 7 1 8 4 3 6 2
2 4 3 9 5 6 1 8 7
8 7 1 2 8 5 4 9 3
9 3 4 7 1 8 6 2 5
6 5 2 4 9 3 8 7 1
1 1 1 1 1 1 1 1 1
2 2 2 2 2 2 2 2 2
3 3 3 3 3 3 3 3 3
4 4 4 4 4 4 4 4 4
5 5 5 5 5 5 5 5 5
6 6 6 6 6 6 6 6 6
7 7 7 7 7 7 7 7 7
8 8 8 8 8 8 8 8 8
9 9 9 9 9 9 9 9 9
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9
2 3 4 5 6 7 8 9 1
3 4 5 6 7 8 9 1 2
4 5 6 7 8 9 1 2 3
5 6 7 8 9 1 2 3 4
6 7 8 9 1 2 3 4 5
7 8 9 1 2 3 4 5 6
8 9 1 2 3 4 5 6 7
9 1 2 3 4 5 6 7 8
5 9 3 6 1 2 7 8 5
7 4 5 8 3 9 4 2 6
6 2 6 7 4 5 3 9 1
9 5 7 8 6 1 8 4 2
1 4 2 9 3 8 6 5 3
3 8 6 2 5 1 9 1 7
5 7 1 4 8 6 7 3 9
8 6 9 1 2 3 5 2 4
2 3 4 5 9 7 1 6 9
1 2 3 4 5 6 7 8 9
2 4 5 6 6 6 7 8 1
3 4 5 6 6 8 9 1 2
4 5 6 7 7 9 1 2 3
1 2 4 4 4 5 7 9 9
6 7 8 9 2 2 3 4 5
7 8 9 1 3 3 4 5 6
8 9 1 2 4 4 5 6 7
9 1 2 3 4 5 6 7 8
```

Test Output To Screen:

```
GRID #1: SOLUTION IS CORRECT
============
GRID #2: NOT A SOLUTION
>> ROWS WITH ERRORS: NONE
>> COLUMNS WITH ERRORS: 1 4 5 7
============
GRID #3: NOT A SOLUTION
>> ROWS WITH ERRORS: 2 7
>> COLUMNS WITH ERRORS: 3 5
============
GRID #4: NOT A SOLUTION
>> ROWS WITH ERRORS: 1 2 3 4 5 6 7 8 9
>> COLUMNS WITH ERRORS: NONE
============
GRID #5: NOT A SOLUTION
>> ROWS WITH ERRORS: NONE
>> COLUMNS WITH ERRORS: 1 2 3 4 5 6 7 8 9
============
GRID #6: SOLUTION IS CORRECT
============
GRID #7: NOT A SOLUTION
>> ROWS WITH ERRORS: 1 2 3 4 5 6 7 8 9
>> COLUMNS WITH ERRORS: 1 2 3 4 5 6 7 8 9
============
GRID #8: NOT A SOLUTION
>> ROWS WITH ERRORS: 2 3 4 5 6 7 8
>> COLUMNS WITH ERRORS: 1 2 3 4 5 6 7 8 9
============
```

Problem #8
60 Points

8. Magdalena

Program Name: Magdalena.java **Input File: magdalena.dat**

Test Input File:
```
50
10 5
16 10
48 1B8XeX
16 7FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
22
BLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLLLLLLLLLL
9 788888888888888888888888888888888888888
32
OVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV
VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV
VVVVVVVVVVVVVVVVVVVVVVVVVVV
42
1ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff
fffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff
ffffffffffffffffffffffffffffffffffff
7 5002343455314255011440341024
6 3410043031212134003005232452333403034434233313515511411322344013554310042
5 32024213433233112012
42 EACZc3P8PGI3D6C
```
(judge data continues…see data file for the complete listing)

Magdalena Test Output To Screen:
```
Case #1: 5
Case #2: F
Case #3: 4h
Case #4: 1D8
Case #5: 7FA
Case #6: 384
Case #7: 5F4
Case #8: 4GM
Case #9: 325
Case #10: 1402
Case #11: 303
Case #12: Df
Case #13: 3Ak
Case #14: 1625
Case #15: 112001
Case #16: 9B
Case #17: 2vd
Case #18: 321
Case #19: B3
Case #20: 1O5
Case #21: 341
Case #22: 14h
Case #23: 59O
Case #24: r1
Case #25: 5SV
Case #26: 3OP
Case #27: B5D
Case #28: 252
Case #29: 3AL
Case #30: 2LW
Case #31: 1253
Case #32: 110202
Case #33: 71N
Case #34: 315
Case #35: 1Xa
Case #36: 2D6
Case #37: 3LG
Case #38: 2nb
Case #39: 1HF
Case #40: 4042
Case #41: 1210
Case #42: 5MC
Case #43: A97
Case #44: 2Eo
Case #45: 1P0
Case #46: 2GD
Case #47: 1K6
Case #48: 28V
Case #49: ne
Case #50: 2HA
```

Problem #9
60 Points

9. Noah

Program Name: Noah.java **Input File: noah.dat**

Test Input File:

```
40
Toyota,Tacoma,2018
Chevy,Cruze,2019
Chevy,Silverado,2006
Ford,F150,2010
Dodge,Durango,2020
Honda,CRV,2014
Toyota,Camry,2009
Honda,CRV,2007
Dodge,Ram1500,2008
Jeep,Wrangler,2011
Chevy,Silverado,2006
BMW,X4,2014
Nissan,Altima,2007
Toyota,Tundra,2008
Volkswagon,Jetta,2017
Ford,F150,2015
Volkswagon,Atlas,2018
Chevy,Cruze,2009
Ford,Explorer,2006
Chevy,Tahoe,2019
Dodge,Ram1500,2018
Dodge,Ram1500,2019
Volkswagon,Atlas,2012
Volvo,S60,2015
Honda,Civic,2010
Volkswagon,Beetle,2009
Toyota,Camry,2006
Ford,F150,2015
Ford,Mustang,2017
Ford,Edge,2012
Nissan,Altima,2017
Nissan,Rogue,2017
Honda,CRV,2008
Volkswagon,Atlas,2012
Dodge,Charger,2017
Dodge,Challenger,2012
Ford,F150,2009
Jeep,Liberty,2018
Ford,Explorer,2019
Toyota,Tacoma,2019
```

Test Output To Screen:

```
---Data Sorted---
BMW X4 2014
Chevy Cruze 2009
Chevy Cruze 2019
Chevy Silverado 2006
Chevy Silverado 2006
Chevy Tahoe 2019
Dodge Challenger 2012
Dodge Charger 2017
Dodge Durango 2020
Dodge Ram1500 2008
Dodge Ram1500 2018
Dodge Ram1500 2019
Ford Edge 2012
Ford Explorer 2006
Ford Explorer 2019
Ford F150 2009
Ford F150 2010
Ford F150 2015
Ford F150 2015
Ford Mustang 2017
Honda CRV 2007
Honda CRV 2008
Honda CRV 2014
Honda Civic 2010
Jeep Liberty 2018
Jeep Wrangler 2011
Nissan Altima 2007
Nissan Altima 2017
Nissan Rogue 2017
Toyota Camry 2006
Toyota Camry 2009
Toyota Tacoma 2018
Toyota Tacoma 2019
Toyota Tundra 2008
Volkswagon Atlas 2012
Volkswagon Atlas 2012
Volkswagon Atlas 2018
Volkswagon Beetle 2009
Volkswagon Jetta 2017
Volvo S60 2015

---Make Breakdown---
BMW: 1
Chevy: 5
Dodge: 6
Ford: 8
Honda: 4
Jeep: 2
Nissan: 3
Toyota: 5
Volkswagon: 5
Volvo: 1

---Model Breakdown---
Altima: 2
Atlas: 3
Beetle: 1
CRV: 3
Camry: 2
Challenger: 1
Charger: 1
Civic: 1
Cruze: 2
Durango: 1
Edge: 1
Explorer: 2
F150: 4
Jetta: 1
Liberty: 1
Mustang: 1
Ram1500: 3
Rogue: 1
S60: 1
Silverado: 2
Tacoma: 2
Tahoe: 1
Tundra: 1
Wrangler: 1
X4: 1

---Year Breakdown---
2006: 4
2007: 2
2008: 3
2009: 4
2010: 2
2011: 1
2012: 4
2014: 2
2015: 3
2017: 5
2018: 4
2019: 5
2020: 1
```

Problem #10
60 Points

10. Ramiro

Program Name: Ramiro.java **Input File: ramiro.dat**

Test Input File:

```
6
00000001 00000003
00000001 0000000E
000002AE 00100011
BA26F57D CD3B689F
00000000 00000000
BA26F57D AAAAA3B6
```

Test Output To Screen:

```
1
4
9
19
0
13
```

Problem #11
60 Points

11. Seema

Program Name: Seema.java **Input File: seema.dat**

Test Input File:
(Note: Entire data shown below is on one line in the data file).

```
Oklahoma,Nevada,Oklahoma,Ohio,North
Dakota,Missouri,Arizona,Idaho,Arkansas,California,California,Arizona,Ohio,Washington,California,Washington,Ariz
ona,Oklahoma,New
Mexico,Georgia,Kansas,Pennsylvania,Florida,Arizona,Utah,Indiana,Maryland,Alaska,California,Indiana,New
Mexico,Florida,Oklahoma,Alabama,Oklahoma,Washington,Oklahoma,Hawaii,New
Mexico,Utah,Oklahoma,Nebraska,Missouri,Wisconsin,Florida,Utah,Utah,Virginia,Oklahoma,South
Carolina,Pennsylvania,Kansas,Kentucky,Arizona,Pennsylvania,New
York,California,Indiana,Alabama,Utah,Indiana,Tennessee,Maine,Tennessee,Indiana,Missouri,South
Dakota,Maryland,Arkansas,Pennsylvania,Utah,Oklahoma,Wisconsin,Hawaii,Illinois,Michigan,Arizona,Kansas,Oregon,Ne
w Mexico,Utah,Pennsylvania,Colorado,California,Minnesota,Massachusetts,Florida,Utah,Missouri,New
Mexico,Wisconsin,Maryland,Minnesota,Wisconsin,Pennsylvania,California,Utah,New
York,Kansas,Pennsylvania,Kansas,Oklahoma,Illinois,Oregon,Arkansas,Idaho,Kentucky,Maryland,Florida,Florida,Utah,
Pennsylvania,California,Illinois,Illinois,Colorado,Florida,New York,New Jersey,Oklahoma,New
Mexico,Oregon,Arizona,Arizona,Wisconsin,Arizona,New Mexico,New Mexico,New
Mexico,Pennsylvania,Utah,Alabama,Minnesota,Florida,Colorado,Florida,Florida,Maine,Florida,Florida,New
Mexico,Colorado,New
Jersey,Nevada,Oklahoma,Florida,Oregon,Montana,Maine,Florida,Florida,Alaska,California,Florida,Tennessee,Mississ
ippi,California,South Dakota,Nebraska,Indiana,Louisiana,Oklahoma,New
Mexico,Colorado,Arizona,Washington,Kentucky,Colorado,Utah,Arizona,Utah,Colorado,Oklahoma,Oklahoma,Nevada,Alaska
,Maine,Montana,Arkansas,New Mexico,Pennsylvania,New Mexico,Washington,Florida,New
York,Oklahoma,Arkansas,Tennessee,Maryland,Arizona,Oklahoma,Indiana,Florida,Missouri,Colorado,Minnesota,New
Mexico,Virginia,Colorado,New Mexico,Louisiana,California,Washington,Louisiana,New Mexico,Colorado,New
Mexico,Georgia,New Mexico,Utah,California,California,Florida,South Carolina,Colorado,New
Mexico,Kansas,Indiana,Utah,Louisiana,Idaho,Ohio,Indiana,New Mexico,Montana,New Mexico,Florida,Oklahoma,New
Mexico,Arizona,Florida,New York,Wisconsin,Wyoming,Utah,South Carolina,New Mexico,Indiana,New Mexico,New
Mexico,Illinois,New
Mexico,Oklahoma,California,Oklahoma,Oregon,Washington,California,Washington,Oklahoma,Colorado,Arkansas,Tennesse
e,Florida,Alaska,Utah,Tennessee,Kentucky,Georgia,California,Wisconsin,Florida,Illinois,New
York,Colorado,Idaho,Florida,Oklahoma,South Dakota,Utah,Georgia,Utah,Michigan,Georgia,Indiana,New
Mexico,Georgia,Mississippi,New Jersey,Illinois,Missouri,Illinois,Kansas,Florida,Alabama,Utah,New
Mexico,Utah,Oklahoma,Utah,Ohio,New York,Colorado,Massachusetts,Florida,Oklahoma,Oregon,Utah,California,West
Virginia,Georgia,Nevada,Alabama,Arkansas,Mississippi,California,Arizona,Colorado,Oklahoma,Florida,California,Al
aska,Oklahoma,New Mexico,Minnesota,Arizona,Colorado,Louisiana,Maine,Hawaii,New Mexico,Illinois,New
Mexico,Virginia,Illinois,California,Maryland,Florida,Vermont,Oklahoma,California,Wisconsin,Florida,Arizona,Okla
homa,Maryland,Kansas,Florida,Florida,Oklahoma,Arkansas,Florida,Nevada,New
Jersey,Florida,Georgia,Tennessee,Tennessee,Alabama,Oklahoma,Alaska,New Mexico,Montana,New
Mexico,Oklahoma,Michigan,New
York,Colorado,Missouri,Arkansas,Virginia,Pennsylvania,California,Missouri,Louisiana,Pennsylvania,Nebraska,Color
ado,Indiana,Florida,Alaska,Florida,Minnesota,New Mexico,New
Mexico,Virginia,Kansas,California,Delaware,Indiana,Montana,New
Mexico,Utah,Mississippi,Louisiana,Arkansas,Oklahoma,Kansas,New Mexico,Michigan,Maryland,Arizona,Indiana,New
Mexico,Oregon,Florida,New
York,Maryland,Colorado,Florida,Florida,Oklahoma,Oklahoma,Illinois,Colorado,Florida,New Mexico,Arizona,New
Mexico,Oklahoma,North Dakota,Maryland,Colorado,Washington,New
Mexico,Nebraska,Virginia,Washington,Alabama,California,Tennessee,Oklahoma,Illinois,Oklahoma,Oklahoma,Maryland,C
alifornia,Florida,California,Nevada,California,Indiana,Florida,Alaska,Oklahoma,Illinois,Louisiana,Georgia,Oklah
oma,Virginia,Arkansas,Arizona,Utah,Illinois,Arkansas,Louisiana,Missouri,Missouri,Louisiana,Kansas,Alaska,Michig
an,Illinois,Oklahoma,Oregon,Mississippi,California,California,Arizona,Arizona,Washington,New
Mexico,Florida,California,Arizona,New York,Georgia,Oklahoma,Hawaii,Massachusetts,Idaho,Colorado,New
Mexico,Missouri,Illinois,Georgia,Wisconsin,Florida,Louisiana,Wisconsin,New Mexico,Colorado,Washington,New
Mexico,Oklahoma,Indiana,Arkansas,New Jersey,Wisconsin,New York,New
York,Colorado,Alabama,Georgia,Alaska,Arizona,Illinois,New
Mexico,Mississippi,Oklahoma,Oklahoma,Alabama,Alaska,Colorado,Utah,Arizona,Missouri,Missouri,Utah,Washington,Ore
gon,Georgia,Mississippi,South Carolina,Minnesota,Florida,New York,Tennessee,Florida,New
Mexico,Connecticut,Florida,Virginia,Indiana,Alabama,Oregon,Utah,Colorado,Colorado,Oklahoma,Colorado,New
Mexico,Utah,Iowa,New Mexico,Oklahoma,Virginia,California,Ohio,Maryland,New Mexico,New Mexico,New
Jersey,Missouri,Illinois,Utah,South Carolina,Louisiana,Idaho,Indiana,New York,Mississippi,California,New
Mexico,Arizona,Oregon,New Mexico,New Mexico,Oklahoma,Oregon,Kansas,Georgia,California,New
Mexico,Wyoming,Nebraska,New Mexico,New
Mexico,Utah,Alabama,Minnesota,Utah,Utah,Pennsylvania,Colorado,Minnesota,Alaska,New
Mexico,Arkansas,Oklahoma,Colorado,Florida
```

Seema - Test Output Next Page

Seema - Test Output

```
New Mexico 58
Oklahoma 49
Florida 47
California 33
Utah 33
Colorado 30
Arizona 25
Illinois 18
Indiana 18
Arkansas 14
Georgia 14
Missouri 14
New York 14
Pennsylvania 13
Washington 13
Alaska 12
Kansas 12
Louisiana 12
Maryland 12
Oregon 12
Alabama 11
Wisconsin 11
Tennessee 10
Minnesota 9
Virginia 9
Mississippi 8
Idaho 6
Nevada 6
New Jersey 6
Maine 5
Michigan 5
Montana 5
Nebraska 5
Ohio 5
South Carolina 5
Hawaii 4
Kentucky 4
Massachusetts 3
South Dakota 3
North Dakota 2
Wyoming 2
Connecticut 1
Delaware 1
Iowa 1
Vermont 1
West Virginia 1
```

Problem #12
60 Points

12. Wojtek

Program Name: Wojtek.java **Input File: wojtek.dat**

Test Input File:

```
49
6 -2 3 5
3 1 4 1
2 -7 1 -8
0 1 2 3
2 4 8 14
1 3 9 27
0 7 20 44
0 6 20 44
917 69 205 456
0 0 0 0
1 0 0 0
1 0 0 0
1 1 0 0
1 0 0 0
1 0 1 0
1 1 0 0
1 1 1 0
1 0 0 0
1 0 0 1
1 0 1 0
1 0 1 1
1 1 0 0
1 1 0 1
1 1 1 0
1 1 1 1
0 20 57 125
0 24 68 149
0 57 162 355
0 68 193 423
0 81 230 504
0 193 548 1201
0 230 653 1431
0 274 778 1705
0 653 1854 4063
0 778 2209 4841
17726 -69886 95031 -42069
71126 79333 -3709 -68590
-61333 24020 24951 83033
48465 2332 65007 91995
-92175 -77615 -73018 57520
-78539 -64706 -66667 38412
535 -93979 27912 42911
67658 20318 72618 75278
-77634 -16833 91332 27142
20259 73673 -25675 -67898
70511 1923 99435 -5328
94600 -75389 -69355 -41809
-46889 -67503 69752 54397
66767 5343 -80055 38192
-26237 70237 -10611 -38653
```

Test Output To Screen:

```
Case #1: 6
Case #2: 4
Case #3: 3
Case #4: 5
Case #5: 6
Case #6: 6
Case #7: 13
Case #8: 10
Case #9: 17
Case #10: 0
Case #11: 4
Case #12: 4
Case #13: 3
Case #14: 4
Case #15: 2
Case #16: 3
Case #17: 4
Case #18: 4
Case #19: 3
Case #20: 2
Case #21: 4
Case #22: 3
Case #23: 4
Case #24: 4
Case #25: 1
Case #26: 15
Case #27: 16
Case #28: 17
Case #29: 18
Case #30: 19
Case #31: 20
Case #32: 21
Case #33: 22
Case #34: 23
Case #35: 24
Case #36: 4
Case #37: 4
Case #38: 5
Case #39: 6
Case #40: 5
Case #41: 4
Case #42: 6
Case #43: 6
Case #44: 4
Case #45: 4
Case #46: 4
Case #47: 6
Case #48: 5
Case #49: 6
```