**1. Base Tetracontakaidi**

**JUDGES DATA FILE**

29

1111

gggggg

!?

%%%@a

utcs!

0

10

-101

+a!

ghijkl

-1234

mike

mitra

-mitra

ut

!?!!

?$%#@

a0000

g00000

!

@

#

$

%

?

-a%m

unt

-gggggg

**JUDGES OUTPUT**

75895

2142061168

1549

130691074

95521812

0

42

-1765

456

2145326505

-77746

1662542

69843196

-69843196

1289

2733984

118170272

31116960

2091059712

36

38

39

40

41

37

-19384

53915

-2142061168

**2. He Makes Them Suffer in the Mountains**

**JUDGES DATA FILE**

12

43.0 4.5 NO 3

11.7 8.5 NO 1

4.7 6.0 YES 6

1.3 6.4 NO 5

3.0 5.0 NO 4

2.9 4.9 NO 5

0.8 15.3 YES 3

18.0 6.1 YES 2

1.4 6.4 NO 1

5.0 5.6 NO 8

4.7 12.5 YES 5

7.0 3.1 NO 2

**JUDGES OUTPUT**

1 1935 HC

2 995 CAT 1

3 632 CAT 1

4 133 CAT 4

5 200 CAT 3

6 192 CAT 3

7 372 CAT 2

8 1348 HC

9 90 CAT 4

10 380 CAT 2

11 888 CAT 1

12 217 CAT 3

**3. Building Dell Hall**

**JUDGES DATA FILE**

**NONE**

**JUDGES OUTPUT**

1

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2

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**4. Basketball Performance Grading**

**JUDGES DATA FILE**

18

12 3FG 3FG FG fg G Fg 3fg STL BlK AST FG 3FG TO to 3FG 3FG 3fg

15

37 3fg 3fg 3fg 3 3 3 3 3 BLK BLK TO TO TO TO to

171 TO TO TO to to to to to to to x x x x STL stl stl STL BLK PF PF

32 AST

12 AST FG TO REB PF FG STL BLK 3FG FT 3FG TO 3FG 3FG REB PF PF FT 3FG REB

00 STL REB TO BLK AST AST

1 BLK REB 3FG AST PF 3FG 3FG FG PF FT

87 X X X X X

17 blk blk 3 3f 3g to to To t0 3fg 3fg 3FG BLK FT FT FT AST AST AST AST FG FG FT FT FT PF PF PF PF

42 pf pf pf pf pf pf pf pf pf pf 3fg 3fg 3fg

7 to to to to to to to to to to 3fg

19 3FG PF AST TO REB AST BLK REB 3FG FG BLK TO TO PF AST FG STL AST BLK AST TO BLK BLK REB 3FG FG STL AST TO STL AST PF AST STL 3FG 3FG STL STL FT AST

52 PF FG FG TO 3FG REB STL AST PF BLK PF PF FG FT FG FT 3FG TO REB FT BLK FT AST REB TO FG REB FT BLK STL STL BLK TO STL FG TO FT REB FG FT FT BLK FT AST PF FT TO AST STL 3FG TO AST FG BLK PF STL REB AST STL STL FG 3FG 3FG TO AST STL TO BLK FT FT 3FG FG PF PF PF TO STL STL REB TO REB FT STL FT FG BLK TO PF BLK FG FG FG BLK REB PF FG FG AST 3FG REB

65 BLK REB REB FG 3FG 3FG PF AST STL REB STL FT PF FG STL STL BLK PF BLK PF 3FG BLK 3FG BLK FT TO TO REB AST BLK BLK 3FG BLK REB AST REB STL STL TO REB TO STL REB 3FG REB 3FG FG PF FT FT FT FT 3FG FT BLK FG FG REB

59 3fg 3fg 3fg 3fg 3fg 3fg 3fg 3fg 3fg 3fg 3fg fg

61 3fg fg to fg fg stl stl stl stl to to

7 FG FG FG FG FG ST S PF ST ST TO 3FG 3FG 3FG 3FG 3Fg 3fg 3fG 3FG

**JUDGES OUTPUT**

12 25 SOLID

15 0 BENCHED

37 ?? INVALID

171 -33 BENCHED

32 1 BENCHED

12 17 MORE PRACTICE

00 2 BENCHED

1 13 MORE PRACTICE

87 ?? INVALID

17 10 MORE PRACTICE

42 -1 BENCHED

7 -37 BENCHED

19 28 SOLID

52 60 CAREER GAME

65 56 SPORTS CENTER

59 35 SPORTS CENTER

61 5 MORE PRACTICE

7 29 SOLID

**5. Line it Up**

**JUDGES DATA FILE**

11

4

green-red blue-green red-blue red-yellow

1

red-blue

3

blue-green red-blue blue-green

10

red-yellow red-green blue-orange green-red blue-red red-blue green-purple orange-green purple-green yellow-blue

8

red-yellow red-green green-yellow orange-orange blue-red red-blue red-blue green-yellow

20

black-aqua yellow-gray purple-black biege-yellow green-gray black-green aqua-purple black-yellow yellow-black orange-cyan red-black biege-yellow green-green gray-biege gray-gray gray-orange yellow-biege yellow-black black-red gray-yellow

30

orange-black white-green biege-navy aqua-navy red-biege yellow-white green-aqua cyan-aqua purple-red aqua-purple purple-red yellow-purple navy-cyan purple-navy red-aqua red-navy green-blue aqua-black white-green navy-red black-yellow navy-purple navy-yellow blue-yellow biege-orange black-gray purple-white green-red gray-purple red-biege

20

yellow-black red-green yellow-aqua purple-black navy-aqua biege-green gray-aqua gray-black cyan-green white-gray blue-biege biege-aqua blue-blue green-purple aqua-white yellow-aqua navy-gray aqua-blue aqua-gray orange-navy

10

red-red red-red red-red red-red red-red red-red red-red red-red red-red red-red

10

aqua-cyan red-purple red-cyan blue-red navy-cyan black-gray red-biege orange-purple yellow-orange cyan-blue

30

purple-green orange-biege black-black orange-aqua yellow-yellow aqua-navy purple-gray navy-yellow purple-yellow red-biege cyan-purple yellow-black black-black gray-red orange-navy purple-white black-green green-blue navy-gray black-white orange-yellow red-red white-yellow navy-red red-navy biege-yellow red-red green-blue orange-white black-navy

**JUDGES OUTPUT**

4

1

2

10

4

20

30

11

10

4

16

**6. Morning Person Or Not?**

**JUDGES DATA FILE**

17

AAAAAAAAAA

EEEEEEEEEE

BDBDBDBDBD

XXXXXXXXXX

ABCDEEDCBA

EDCBAABCDE

ABDEEBDBEA

CCECCEXXAA

AAAAAAAAAA

AAAAAAAAAA

EEEEEEEEEE

EEEEEEEEEE

CCCCCCCCCC

CCCCCCCCCC

AAAAAAAAAA

BBBBBBBBBB

XXXXXXXXXX

XXXXXXXXXX

DBCXXCCCBD

BXEXDXACEB

BBEABXABEX

CDBEEEXCXC

CBBBBEBXEA

XEAXCBBEED

BABCBXDDCC

ECCDCEEBCX

BBCDEABEEX

BDBAXDDXAC

DEEAEBEAXC

BEEDDCXDEA

ABCDEABCDE

ABCDEAACDE

ABCDEABCDE

ABCDEADCDE

**JUDGES OUTPUT**

1 13

2 9

3 9

4 8

5 0

6 0

7 0

8 3

9 13

10 8

11 10

12 8

13 6

14 9

15 8

16 1

17 2

**7. Howdy Neighbor**

**JUDGES DATA FILE**

12

3

4 3

A B C

D E F

G H I

J K L

3

5 7

A B A B A B A

A B A B A B A

A B C B A C A

A B C B A C A

A B A B A B A

5

3 7

A B B C B B A

B C C B C C B

A B B C B A A

1

3 3

A A A

A A A

A A A

10

3 3

A A A

A A A

A A A

3

4 9

C C F D D C B D C

F D D D A A F B B

C F B B F B A D E

B C E A D A B F B

5

4 11

B D A A A A D A A C C

B C C D A B B B C B C

D C B C A D A D A C A

C A D A C A C C B A C

3

13 20

B E C E D F F D E F F D B A E F E F B D

B E C F D E C E B A F C A B F C A E D F

A F F A A E A C E D C A C D D D F C B A

E C E B E C D E E C A F A B C C E D C D

A E A B F A C E F A E A C D F E E C F D

E F F D C C E B D D B D A D C B E F C E

D F C A D B C B D C D B C F D B D E E B

E A C B B B C B D E B A D E F B D E E F

C A D F A A C F A A C B E E C F C B E F

A D A D E A B D E C A E E F D F B A B E

E E F F A B F F A C C F C C E D F A F A

F C B C F E B B B D E C E D D A A C A E

F E A C F D C C B D F D F A A D B E C A

4

3 5

A A A A A

B B C B B

A A A A A

4

4 5

A B A B A

B A B A B

A B A B A

B A B A A

1

4 3

A B C

D E F

G H I

J K L

4

3 5

A A B C D

C D E F G

H I J A A

**JUDGES OUTPUT**

0 0 0 0

5 6 5 6

0 1 2 3

1 1 1 1

0 0 0 0

1 2 3 4

1 2 3 3

15 17 30 31

2 2 2 2

0 1 2 2

12 12 12 12

0 0 0 1



**8. Moneyball**

**JUDGES DATA FILE**

10

1513 542 44 162 64 2351 57 39 169 5532 762

10 0 0 10 0 40 0 0 0 50 10

20 3 0 10 1 50 0 0 0 100 14

1439 569 30 67 66 1983 200 91 110 5455 685

60 3 0 10 1 90 0 0 0 100 14

60 3 0 10 1 90 0 0 50 100 14

1409 539 56 153 52 2202 96 24 108 5579 713

1644 642 22 148 50 2615 90 64 90 5354 976

1591 622 58 171 51 2489 100 31 140 5691 860

1591 622 58 171 51 2489 100 31 210 5691 860

**JUDGES OUTPUT**

773 UNLUCKY

10 VALID

13 LUCKY

678 LUCKY

43 UNLUCKY

18 UNLUCKY

728 UNLUCKY

978 UNLUCKY

880 UNLUCKY

858 LUCKY

**9. The Meta Question**

**JUDGES DATA FILE**

6

t1 1 C t5 1 C t1 2 I t2 12 C t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 I t2 10 C t1 1 I t2 10 I t5 10 I t5 10 I t5 10 C

west 1 C west 5 C west 12 C east 2 C east 3 C east 10 C north 3 I north 5 I north 12 I south 5 I north 12 I south 5 C south 5 C south 10 I

1 4 I 1 2 I 1 1 I 1 5 I 1 8 I 2 7 I 4 9 I 3 10 I 4 12 I 4 1 I

1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 I 1 1 C 2 1 C 2 2 C 2 3 C 2 4 C 2 4 I 2 4 C 2 5 C 2 6 I 2 6 C 2 7 C 2 7 I

1 1 C 1 2 C 1 3 C 1 4 C 1 5 C 1 6 C 1 7 C 1 8 C 1 9 C 1 10 C 1 11 C 1 12 C 2 1 I 3 3 I 3 5 I 3 12 I

2 12 I 2 6 I 1 10 I 2 4 C 5 4 I 5 11 C 3 3 I 3 10 I 2 10 C 3 1 I 1 6 C 4 4 I 1 8 I 5 6 I 3 3 I 1 5 C 1 9 I 3 1 C 1 3 I 3 10 I 5 4 I 2 9 I 4 1 I 3 4 I 5 2 C 1 8 I 3 8 I 1 3 I 3 7 I 3 9 C 2 5 I 1 3 I 1 8 I 1 12 C 2 11 I 5 6 I 5 1 C 4 10 I 5 3 I 5 6 I 4 11 I 1 3 I 3 12 I 1 7 C 4 7 I 4 9 C 3 6 I 1 8 I 4 6 I 3 10 I 2 6 I 1 10 I 5 12 C 3 12 C 1 8 I 1 1 I 4 5 C 2 9 I 1 1 C 1 8 I 5 9 I 3 5 I 3 2 C 3 4 I 1 8 I 1 8 I 2 2 I 5 8 C 5 10 I 4 1 C 2 5 C 3 11 I 4 4 I 4 4 I 4 7 C 2 7 C 1 2 C 2 12 I 1 4 I 3 5 I 4 2 I 5 6 C 4 10 I 5 10 I 5 9 C 4 6 I 3 6 I 2 3 I 5 10 I 4 6 I 4 12 I 1 3 I 2 8 C 3 10 C 5 3 I 1 10 I 3 7 I 3 3 I 3 8 I 1 10 I 5 10 I 5 5 I 5 10 C 1 8 C 1 9 I 5 5 I 4 3 C 3 3 I 2 11 C 1 3 I 1 4 I 3 11 I 3 8 C 2 9 I 2 3 I 3 4 I 1 9 I 1 10 I 4 6 I 4 4 I 3 5 I 4 12 C 3 5 I 5 5 C 1 4 C 3 6 I 4 6 I 2 6 C 4 10 I 4 2 I 4 10 C 4 11 I 1 9 I 4 4 I 2 12 I 5 7 C 4 6 I 3 11 I 4 8 I 2 2 I 3 7 C 1 11 C 4 6 I 1 10 I 3 6 I 1 10 I 3 3 I 3 3 C 1 10 I 1 9 I 5 4 I 4 2 I 4 2 C 3 11 I 2 1 I 5 3 I 4 11 C 1 3 C 2 3 I 5 3 I 2 1 I 3 5 I 3 4 C 4 4 C 2 1 I 2 2 I 5 3 I 4 8 C 2 12 C 5 3 I 4 6 C 2 9 I 3 11 I 3 5 C 3 6 I 1 9 I 5 3 C 2 1 I 1 9 I 3 11 C 5 4 I 1 10 I 1 10 I 1 10 I 2 9 I 2 9 C 3 6 C 1 9 I 2 3 I 5 4 I 1 10 C 2 2 C 2 3 C 2 1 I 5 4 C 1 9 I 1 9 I 1 9 I 2 1 C

**JUDGES OUTPUT**

1

t5 110

t1 60

t2 40

2

east 180

west 180

south 55

north 0

3

1 0

2 0

3 0

4 0

4

2 415

1 -25

5

1 720

2 0

3 0

6

5 615

2 600

4 600

3 560

1 520

**10. Square Free Integers**

**JUDGES DATA FILE**

13

10

18

2

2500

731324180

100

4

15284

212349600

212349373

212345713

1212349650

1212346433

**JUDGES OUTPUT**

FREE

NOT 9

FREE

NOT 2500

NOT 146264836

NOT 100

NOT 4

NOT 4

NOT 32400

FREE

NOT 22801

NOT 235225

FREE

**11. Romancing the Stones**

# Program Name: Stones.java Input File: stones.dat

1. **JUDGES DATA FILE**

26

3 9

1 1 3 2 2 2 4 2 1

3 8

2 2 1 3 3 4 1 2

2 10

2 1 3 1 4 1 2 2 1 3

3 13

2 2 1 5 10 2 5 3 2 1 1 1 1

3 11

5 3 1 6 9 7 10 5 3 5 3

4 9

1 1 3 2 2 2 4 2 1

5 11

1 1 1 2 1 1 1 2 1 3 1

3 12

4 1 5 1 3 2 1 4 3 1 1 2

1 1

98765

1 10

1 2 3 4 5 6 7 8 9 10

10 20

10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9

4 13

2 2 2 10 2 2 2 2 2 5 5 2 2

4 13

2 2 2 10 2 2 2 5 2 2 5 2 2

6 4

1 1 1 1

2 12

4 4 2 3 4 4 3 3 2 1 4 2

3 12

4 4 2 3 4 4 3 3 2 1 4 2

4 12

4 4 2 3 4 4 3 3 2 1 4 2

2 15

1 3 1 2 1 2 1 2 3 2 2 1 2 3 2

3 15

1 3 1 2 1 2 1 2 3 2 2 1 2 3 2

4 15

1 3 1 2 1 2 1 2 3 2 2 1 2 3 2

2 20

3 2 1 2 1 2 1 3 1 1 2 1 3 2 3 3 2 2 2 1

3 20

3 2 1 2 1 2 1 3 1 1 2 1 3 2 3 3 2 2 2 1

4 20

3 2 1 2 1 2 1 3 1 1 2 1 3 2 3 3 2 2 2 1

2 20

1 2 1 1 1 2 1 1 2 2 1 1 1 1 1 1 1 2 1 2

3 20

1 2 1 1 1 2 1 1 2 2 1 1 1 1 1 1 1 2 1 2

4 20

1 2 1 1 1 2 1 1 2 2 1 1 1 1 1 1 1 2 1 2

1. **JUDGES OUTPUT**

1 CUT

2 WHOLE

3 CUT

4 CUT

5 WHOLE

6 WHOLE

7 CUT

8 WHOLE

9 CUT

10 CUT

11 CUT

12 CUT

13 WHOLE

14 WHOLE

15 WHOLE

16 WHOLE

17 WHOLE

18 CUT

19 WHOLE

20 WHOLE

21 CUT

22 WHOLE

23 WHOLE

24 CUT

25 WHOLE

26 WHOLE

**12. Fight Song**

1. **JUDGES DATA FILE**
2. **NONE**
3. **JUDGES OUTPUT**

1 4

Texas Fight, Texas Fight,

2 6

Texas Fight, Texas Fight,

And it's goodbye to A&M.

3 10

Texas Fight, Texas Fight,

And it's goodbye to A&M.

Texas Fight, Texas Fight,

4 11

Texas Fight, Texas Fight,

And it's goodbye to A&M.

Texas Fight, Texas Fight,

And we'll put over one more win.

5 15

Texas Fight, Texas Fight,

And it's goodbye to A&M.

Texas Fight, Texas Fight,

And we'll put over one more win.

Texas Fight, Texas Fight,

6 20

Texas Fight, Texas Fight,

And it's goodbye to A&M.

Texas Fight, Texas Fight,

And we'll put over one more win.

Texas Fight, Texas Fight,

For it's Texas that we love best.

7 21

Texas Fight, Texas Fight,

And it's goodbye to A&M.

Texas Fight, Texas Fight,

And we'll put over one more win.

Texas Fight, Texas Fight,

For it's Texas that we love best.

Hail, Hail, The gang's all here,

8 25

Texas Fight, Texas Fight,

And it's goodbye to A&M.

Texas Fight, Texas Fight,

And we'll put over one more win.

Texas Fight, Texas Fight,

For it's Texas that we love best.

Hail, Hail, The gang's all here,

And it's good-bye to all the rest!