1. Base Tetracontakaidi

JUDGES DATA FILE

29 1111 adadad !? %%%@a utcs! 0 10 -101+a! ghijkl -1234mike mitra -mitra ut !?!! ?\$%#@ a0000 g00000 <u>a</u> # \$ 응 ? -a%m unt -dddddd

JUDGES OUTPUT

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

3. Building Dell Hall

JUDGES DATA FILE NONE

JUDGES	OUTPUT
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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 BLK BLK TO TO TO to
- 171 TO TO TO to to to to to to $\times \times \times STL$ stl STL BLK PF PF
- 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 FG FG FT FT FT PF PF PF
- 42 pf pf pf pf pf pf pf pf pf 3fq 3fq
- 7 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 SFG FT BLK FG FG REB
- 59 3fg 3fg 3fg 3fg 3fg 3fg 3fg 3fg 3fg fg
- 61 3fg fg to fg fg stl stl stl to to
- 7 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
green-red blue-green red-blue red-yellow
red-blue
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
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
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-
navv
10
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
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-
```

JUDGES OUTPUT

gray black-white orange-yellow red-red white-yellow navy-red red-navy

biege-yellow red-red green-blue orange-white black-navy

6. Morning Person Or Not?

JUDGES DATA FILE

17

AAAAAAAAA

EEEEEEEEE

BDBDBDBDBD

XXXXXXXXXX

ABCDEEDCBA

EDCBAABCDE

ABDEEBDBEA

CCECCEXXAA

AAAAAAAAA

AAAAAAAAA

EEEEEEEEE

EEEEEEEEE

CCCCCCCC

CCCCCCCC

AAAAAAAAA

BBBBBBBBB

XXXXXXXXXX

XXXXXXXXXX

DBCXXCCCBD BXEXDXACEB

BBEABXABEX

CDBEEEXCXC

CBBBBEBXEA

XEAXCBBEED

BABCBXDDCC

ECCDCEEBCX

BBCDEABEEX

BDBAXDDXAC DEEAEBEAXC

BEEDDCXDEA

ABCDEABCDE

ABCDEAACDE

ABCDEABCDE

ABCDEADCDE

JUDGES OUTPUT

1 13

2 9

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

UIL CS Programming Problem Set

7. Howdy Neighbor

JUDGES DATA FILE 12 3 4 3 A B C DEF G H I J K L 3 5 7 ABABABA ABABABA ABCBACA ABCBACA ABABABA 5 3 7 ABBCBBA B C C B C C B ABBCBAA 1 3 3 A A A A A A AAA 10 3 3 A A A A A A A A A 3 4 9 C C F D D C B D CF D D D A A F B B CFBBFBADE B C E A D A B F B 5 4 11 B D A A A A D A A C C $\verb|B| C C D A B B B C B C \\$ D C B C A D A D A C A CADACACCBAC 3 13 20 BECEDFFDEFFDBAEFEFBD 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 ECEBECDEECAFABCCEDCD AEABFACEFAEACDFEECFD D C B E F E F F D C C E B D D B D A D F C A D B C B D C D B C F D B D E E B EACBBBCBDEBADEFBDEEF

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 3 5 A A A A ввсвв A A A A A 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

JUDGES OUTPUT

ніјдаа

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 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

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

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 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 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 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 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 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 1 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 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 1 5 3 1 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

2 415

10. Square Free Integers

JUDGES DATA FILE

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

```
JUDGES DATA FILE
26
3 9
1 1 3 2 2 2 4 2 1
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
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
3 20
```


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

JUDGES DATA FILE NONE

JUDGES OUTPUT

Texas Fight, Texas Fight, 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!