



UIL Computer Science Competition

State 2017

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.

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Problem #1

60 Points

1. Arun

Program Name: Arun.java

Test Input File: None

Test Input File: None

Test Output To Screen

[illegible]

2. Changpu

Program Name: Changpu.java

Test Input File: changpu.dat

Test Input File: changpu.dat

83 -70 81 -13 51 -94 96 51 -20 33 -67 -70 13

Test Output To Screen

83 -83
-70 69
81 -81
-13 13
51 -51
-94 93
96 -97
51 -51
-20 19
33 -33
-67 67
-70 69
13 -13

3. Christina

Program Name: Christina.java

Test Input File: christina.dat

Test Input File: christina.dat

17
Arun
Changpu
Christina
Dai
Eric
Guang
Keerthi
Matthew
Rohan
Sasha
Yulia
Zachary
David
Shyamal
Crystal
Joel
John
03u12R05L
01u05L06R
12R07U
10103R09u
08R09u12103u111
12L05U
02107R06U07102L
05u08L05U07U

03u10L
07R06U05104L11L
02L04U121111111
01u08R09R
16R13L071
03105u
15R04u04R13u09u
13U09L04u08u13u
03u13u12L16l

Test Output To Screen

ANITSIRHCZacharyeric
NURAericGuang
ZacharyKEERTHI
ahsasChristinaNAHOR
MatthewNAHORyrahcazANITSIRHCailuy
zacharyERIC
upgnahcKeerthiGUANGihtreekchangpu
CIREmatthewERICKEERTHI
ANITSIRHCsasha
KeerthiGUANGciredaiyulia
changpuDAIyrahcazailuyailuy
NURAMatthewRohan
Joeldavidihtreek
anitsirhcCIRE
CrystalIADDAiDIVADNAHOR
DAVIDrohanIADWEHTTAMDIVAD
ANITSIRHCDIVADzacharyleo

4. Dai

Program Name: Dai.java

Test Input File: dai.dat

Test Input File: dai.dat

```
10
0 0 2 3 0 4 3 1 0 0 4 2
0 0 2 2 3 3 5 4 15 15 14 3
1 6 4 9 3 9 6 7 6 7 7 4 2 4 8 5 1 6 4 3 19 9 18 8
5 5 1 1 1 1 4 3
18 19 19 20 21 22 22 18
1 4 4 5 4 5 2 0 4 2 1 1 3 5 1 0
3 7 4 8 4 8 6 9 6 9 7 7 7 7 8 4 8 4 7 3 7 3 6 4 6 4 5 3 5 3 4 4 4 4 3 7
3 7 4 8 4 8 6 9 6 9 7 7 7 7 8 4 8 4 7 3 7 3 6 4 6 4 5 3 5 3 4 4 4 4 3 7 9 0 8
9
3 7 4 8 4 8 6 9 6 9 7 7 7 7 8 4 8 4 7 3 7 3 6 4 6 4 5 3 5 3 4 4 4 4 3 7 9 0 8
9 9 9 8 0
3 7 4 8 4 8 6 9 6 9 7 7 7 7 8 4 8 4 7 3 7 3 6 4 6 4 5 3 5 3 4 4 4 4 0 5
```

Test Output To Screen

```
3
0
5
0
0
4
9
9
9
0
```

5. Eric

Program Name: Eric.java

Test Input File: eric.dat

Test Input File: eric.dat

```
2 6
1 3
5 5
1 2
2 8
3 9
7 7
8 4
0 0
```

Test Output To Screen

```
6
14
5
62
22
14
62
6
3
```

6. Guang

Program Name: Guang.java

Test Input File: guang.dat

Test Input File: guang.dat

```
22 3
17 8
29 16
42 22
41 4
62 16
72 4
97 5
78 30
393 22
583 26
7512 13
6063 13
1911 29
7436 25
3494 35
9999 36
```

Test Output To Screen

```
000211
0021
001D
001K
000221
003E
00001020
000342
002I
00HJ
00MB
0000355B
000029B5
00027Q
000BMB
0002TT
0007PR
```

7. Keerthi

Program Name: Keerthi.java

Test Input File: keerthi.dat

Test Input File: keerthi.dat

10	#####	.#####.
.....###	#####	.#####.
..#.....#	#####
.....	#####	-
....###...	#####	#####
..#####.	#####	#.....#
...#####.	#####	#.....#
.....#....	-	#.....#
.....#...##	#.....#
..#.....##	...#####.	#.....#
.....###....	#.....#
-	...#####.	#.....#
.....####....	#.....#
.....######....	#####
.....#####	.#####.	-
....###...#....
..#####.#....	##.....
...#####.	##.....
.....#....	-##
.....#####	.#.#.#.#.###
..#.....##	#.#.#.#.#.	...#####.
..#.....##	.#.#.#.#.#	...#####.
-	#.#.#.#.#.	.#####.
.....#....	.#.#.#.#.#	.#.....#.
..#.....#	#.#.#.#.#.
.....#####	.#.#.#.#.#	-
..#.....	#.#.#.#.#.
.....##...	.#.#.#.#.#	.#####.
...#####.	#.#.#.#.#.	.#.....#.
.#...###.	-	.#.....#.
.....#....#.....#.
#####	.#####.	.#.....#.
#####	.#####.	.#.....#.
#####	.#####.	.#####.
	.#####.
	.#####.	-

Test Output To Screen

3	32
0	1
4	0
0	1
1	3

8. Matthew

Program Name: Matthew.java

Test Input File: matthew.dat

Test Input File: matthew.dat

```
BILLS BELLS B TILLS DOLLS DOLLIES 2BILLS 5BELLS
3
B*
D?LLS
[2-5]B?LLS
UIL DISTRICT REGION STATE CONTEST COMPUTER SCIENCE PROGRAMMING CHAMPION
4
C*
*?ON
?[I-M]*
*MM*
POUCH TOUCH OUCH PROU4CH ROUCH PROU2CHIR TOUCHIR ACHI ORCHARD RESEARCH
11
*UCH
*UCH*
?UCH*
*CH?
*U?CH
*U[2-4]*
?OUCH*
R*CH
*C*
????
?*H
PETER PIPER PICKED PECK PICKLED PEPPERS PETUNIA PENULTIMATE OPPORTUNITY
4
PE*
*PP*
P??K*
P*[J-T]*?
```

Test Output To Screen

```
BILLS BELLS B
DOLLS
2BILLS 5BELLS
CONTEST COMPUTER CHAMPION
REGION CHAMPION
UIL DISTRICT
PROGRAMMING
POUCH TOUCH OUCH ROUCH
POUCH TOUCH OUCH ROUCH TOUCHIR
OUCH
ACHI
PROU4CH
PROU4CH PROU2CHIR
POUCH TOUCH ROUCH TOUCHIR
ROUCH RESEARCH
POUCH TOUCH OUCH PROU4CH ROUCH PROU2CHIR TOUCHIR ACHI ORCHARD RESEARCH
OUCH ACHI
POUCH TOUCH OUCH PROU4CH ROUCH RESEARCH
PETER PECK PEPPERS PETUNIA PENULTIMATE
PEPPERS OPPORTUNITY
PICKED PECK PICKLED
PETER PIPER PICKED PICKLED PEPPERS PETUNIA PENULTIMATE
```

9. Rohan

Program Name: Rohan.java

Test Input File: rohan.dat

Test Input File: rohan.dat

```
-2 4 4 2 0 -6
-2 7 7 4 1 -2
-4 0 4 0 0 6.93
0 0 3 0 0 4
0 5.5 0 -5 5.4 5.3
100 99.5 -100 99.6 0 -100
```

Test Output To Screen

```
(0.90,0.72)
(0.67,0.00)
28.00
(2.15,2.85)
(2.00,3.00)
36.00
(0.00,2.31)
(0.00,2.31)
27.72
(1.00,1.00)
(1.00,1.33)
6.00
(2.06,3.36)
(1.80,1.93)
28.35
(0.01,37.81)
(0.00,33.03)
19955.00
```

10. Sasha

Program Name: Sasha.java

Test Input File: sasha.dat

Test Input File: sasha.dat

```
10
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..#..
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##...
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.###.
.###.
.....
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-
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.#..
##..
.#..
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-
.....
#####.
#####.
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#####.
#####.
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#####.
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#####.
--
.....##
.....##
...####
...####
```

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[illegible]

UIL – Computer Science Judge's Packet – State – 2017

```

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# # # . . . .
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```

```

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..##...
..#....
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. . . . .
. . . . .
#####
#####
#####
#####
#####
#####
#####
.....
.....
.....
.....
--
Test Output To Screen
SAME
DIFFERENT
SAME
SAME
SAME
SAME
DIFFERENT
SAME
DIFFERENT
SAME

```

11. Yulia

Program Name: Yulia.java

Test Input File: yulia.dat

Test Input File: yulia.dat

10	zzzzz
7	5
chAlice	abcde
bbbbbbbh	fgcij
cccccccl	klcno
dddddddi	cccdc
eeeeeeC	uvcxy
fFffffe	epoxy
Ggggggn	5
hatelice	abcde
5	fgcij
JAZZY	ccdcc
FUZIL	klcno
TIZZY	uvcxy
MUJIK	qwertyuiopasdfghjklzxcvbnm
UEWYY	7
spazzy	aaaaaaa
6	bbbbbbb
ATATQT	ccccccc
TRTATA	abcdefh
AMPTAT	eeeeeee
TATATN	fffffff
DTATAT	ggggggg
TATETA	abcdefghijklmno
ATATATATATATAT	8
5	aaaaaaaq
abcde	baaaaaqa
fgcij	cbaaaqaa
klcno	dcbaqaaa
pqcst	edcbaaaa
uvcxy	fedcbaaa
zqjds	gfedcbaa
5	hgfedcba
abcde	aaaaaaaaaqa
ghij	2
klmno	AA
pqrst	AA
uvwxy	AA

Test Output To Screen

6	3
4	4
5	7
2	8
0	2

12. Zachary

Program Name: Zachary.java

Test Input File: zachary.dat

Test Input File: zachary.dat

7 9
5 4
2 3
7 10
2 9
2 2
6 7
3 2
5 6
2 8

Test Output To Screen

123456789	
246802468	
369258147	
482604826	
505050505	12
628406284	24
741852963	1234567
1234	2468024
2468	3692581
3692	4826048
4826	5050505
5050	6284062
123	12
246	24
1234567890	36
2468024680	123456
3692581470	246802
4826048260	369258
5050505050	482604
6284062840	505050
7418529630	12345678
123456789	24680246
246802468	