

UIL Computer Science Competition

Invitational A 2025

JUDGES PACKET - CONFIDENTIAL

I. Instructions

- 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

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Problem 10	Martyn
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Problem #1 60 Points

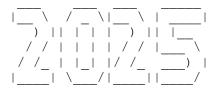
1. Alberto

Program Name: Alberto.java Input File: None

Test Input File:

None

Test Output To Screen:



Problem #2 60 Points

2. Anisha

Program Name: Anisha.java Input File: anisha.dat

Test Input File:

15 20

Test Output To Screen:

Way to go, H2O.
On my way to Dehydration Station.
Way to go, H2O.
Way to go, H2O.
On my way to Dehydration Station.
Way to go, H2O.
Way to go, H2O.
On my way to Dehydration Station.
On my way to Dehydration Station.
Way to go, H2O.
On my way to Dehydration Station.
Way to go, H2O.
Way to go, H2O.
Way to go, H2O.

Problem #3 60 Points

3. Danielle

Program Name: Danielle.java Input File: danielle.dat

Test Input File:	Continued from previous column	Continued from previous column
500	6,3,8,5	8,2,9,8
8,9,6,6	3,4,7,5	3,4,3,8
4,2,8,9	7,2,8,9	8,5,3,5
4,4,7,5	8,4,7,8	8,8,6,5
2,8,8,5	6,3,7,9	6,5,7,9
7,3,6,5	6,5,3,9	1,9,7,5
9,2,6,8	5,7,9,7	3,6,5,6
9,6,9,6	5,5,7,8	7,4,4,7
5,2,8,6	8,7,7,9	2,2,4,4
7,9,4,4	6,9,7,7	5,2,4,7
1,8,3,7	7,7,7,6	8,3,4,9
6,2,5,8	3,4,7,6	2,6,8,8
5,7,8,7	9,6,8,9	3,9,5,5
2,3,3,9	4,3,5,6	2,9,7,5
6,2,6,6	6,5,7,9	7,3,6,5
2,7,7,4	2,6,8,5	2,4,5,4
9,5,3,4	5,8,3,4	3,4,6,8
6,9,6,8	1,7,9,6	8,9,7,6
8,9,8,8	2,2,7,5	1,4,8,5
9,5,8,5	7,7,4,4	5,2,9,9
7,2,5,7	5, 6, 5, 4	5,7,8,4
2,8,4,8	6,2,4,8	7,4,5,9
6,3,6,7	5,3,9,7	8,8,7,9
3,4,8,9	3,2,3,7	7,8,7,5
9,6,3,5	9,6,6,6	4,4,3,6
2,8,8,4	7,7,5,8	2,9,7,6
8,6,4,6	1,5,5,5	9,8,5,9
7,3,7,7 7,8,9,4	4,9,6,4 3,5,3,4	9,2,4,5 7,2,8,4
5,3,7,5	1,5,3,8	1,3,4,9
4,2,6,7	3,5,3,5	6,3,7,9
4,4,8,8	7,9,3,6	9,2,9,4
8,7,4,5	8,4,7,5	3,8,6,8
9,3,6,5	1,4,9,7	4,4,7,9
7,8,8,9	6,5,6,6	5, 6, 3, 4
6,9,5,8	9,7,9,4	7,8,8,9
4,7,5,4	3,5,6,5	4,7,5,9
4,3,9,7	9, 6, 4, 8	2,4,4,9
5,2,5,5	8,4,9,9	1,8,3,5
9,7,4,4	6,9,4,9	4,2,3,4
9, 6, 5, 6	1,6,7,9	3, 8, 6, 4
9,7,9,5	2,8,5,5	1,9,3,4
Continues next column	Continues next column	Continues

[~] For complete view of data, see.dat file ~

[~] Daniel output on next page... ~

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~ Danielle continued... ~

Test Output To Screen: 1295	Continued from previous column 2861	Continued from previous column
2884	1869	2253
814	1348	1367
920	1317	883
736	2925	2957
2241	1165	410
1485	2841	2689
1373	902	2870
142	59	853
1567	1486	1030
2166	794	1361
1922	124	2727
2531	185	585
1230	2094	367
335	1958	2602
36	1515	2823
2301	1269	441
2447	2212	2289
900	676	2830
1663	283	41
2144	30	2941
1743	2044	2713
2901	534	2612
549	1078	559
416	818	4
1124	1963	273
1816	1257	64
493	486	2463
806	750	1579
1732	2133	208
2398	2978	2449
629	2661	1858
738	2845	1261
2941	704	2835
2229	2456	254
193	2037	839
1957	539	82
653	782	1000
126	2841	2109
1197	856	2657
990	1191	618
879	1609	1159
813	74	578
2887	1589	207
2330	2609	1864
2823	2414	1972
2553	714	961
1994	857	1375
2336	736	864
Continues next column	Continues next column	Continues
Communes next commun	Commues next column	Commues

[~] For complete view of output, see .out file ~

Problem #4 60 Points

4. Dominik

Program Name: Dominik.java Input File: dominik.dat

```
Test Input File:
12 17
1776/07/04 Declaration of Independence Signed
1564/04/23 William Shakespeare Born
1804/05/18 Napoleon Gains Power in France
1959/01/03 Alaska Becomes 49th State
1000/01/01 A
1000/01/01 B
2000/02/02 C
3000/03/03 D
0000/04/04 E
4000/05/05 F
2000/12/31 G
2134/10/15 H
Declaration of Independence Signed: Napoleon Gains Power in France
Declaration of Independence Signed: William Shakespeare Born
William Shakespeare Born: Alaska Becomes 49th State
A:B
B:C
C:D
D:E
E:F
F:A
A:E
C:E
A:A
F:B
B:D
E:C
G:H
                                            Test Output To Screen:
                                            10,179
H:G
                                            77,504
                                            144,160
                                            0
                                            365,274
                                            365,272
                                            1,095,695
                                            1,461,001
                                            1,095,852
                                            365,149
                                            730,423
                                            1,095,852
                                            730,546
                                            730,423
                                            48,865
                                            48,865
```

Problem #5 60 Points

5. Filip

Program Name: Filip.java Input File: filip.dat

Test Input File: 14 5 6 * true 4 7 # false 12 12 % true 14 15 @ false 1 1 \$ true 1 1 \$ false 2 2 & true 2 2 & false 3 3 ^ true 3 3 ^ false 1 6 % false 15 3 > false 3 12 < false 9 1 ? true

```
Test Output To Screen:
######
     #
     #
#######
응응응응응응응응응응응
응응응응응응응응응응
응응응응응응응응응응응
응응응응응응응응응응응
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888888888888
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             @
@
             @
             @
             @
$
$
& &
& &
& &
```

```
~ Continued from previous column ~
^ ^ ^
^ ^ ^
^ ^
^ ^ ^
응응응응응
>>>
> >
> >
> >
> >
> >
> >
> >
> >
> >
>>>
<<<<<<<
<
<<<<<<<
?
?
?
?
?
?
```

~ Continues next column ~

Problem #6 60 Points

6. Helen

Program Name: Helen.java Input File: helen.dat

Test Input File:

```
15
2x + 7 = 15
13 * 26 = 3x
x - 2 = 9
56 - 3b = -68
10c * 7 = 70
-6x / 5 = 36
7 * -3h = -63
36 / y = -9
100 + 10k = 200
120 - 130 = p
890 / 32 = r
3 + 4 = e
32f / 2483 = 182
12j * 392 = 7493
19374 / 45m = 9506
```

Test Output To Screen:

x = 4.000 x = 112.667 x = 11.000 b = 4.000 c = 1.000 x = -30.000 h = 3.000 y = -4.000 k = 10.000 p = -10.000 r = 27.000 e = 7.000 f = 14122.063 j = 1.583 m = 0.044

Problem #7 60 Points

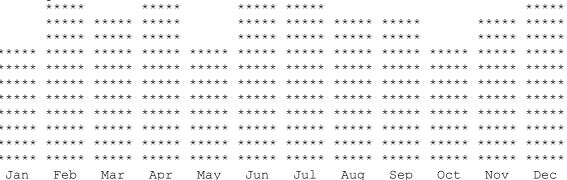
7. Jason

Program Name: Jason.java Input File: jason.dat

Test Input File:

3.53 2.74 16.90 3.73 18.71 1.98 7.73 7.49 0.21 12.99 1.56 10.09 1.55 5.84 1.85 13.78 6.68 16.63 8.08 3.31 17.79 13.67 12.10 3.40 10.41 2.60 12.33 8.84 3.93 12.64 16.72 5.82 19.91 4.37 9.66 14.78 10.16 9.01 18.00 16.81 11.98 8.89 7.08 18.67 8.72 19.28 8.94 4.40 0.69 12.85 11.66 15.80 3.48 19.98 1.44 18.31 8.46 0.04 7.13 4.16 4.09 12.38 10.57 0.44 5.21 18.72 15.72 6.08 12.76 3.46 14.40 18.96 6.15 2.79 7.10 11.72 16.98 9.43 13.82 13.65 3.94 5.53 1.40 14.34 6.31 13.27 1.75 4.96 15.96 19.93 18.23 12.61 16.53 12.38 16.27 4.51 12.32 4.13 8.81 19.85 9.23 17.93 17.08 9.40 15.40 16.12 12.87 5.44 0.17 12.03 9.75 8.18 6.53 6.29 7.60 18.37 14.50 14.13 7.26 10.79 0.61 1.77 0.38 8.06 12.20 13.07 3.16 0.30 14.31 1.44 2.27 2.53 11.67 5.88 15.95 8.72 18.52 5.22 4.36 8.96 5.05 9.88 9.05 4.85 10.89 6.75 3.75 6.73 3.08 19.35 15.82 6.33 9.00 3.07 11.19 8.10 13.03 2.95 4.08 13.86 9.97 0.27 17.39 6.41 17.69 3.48 19.64 9.83 7.18 18.78 19.86 17.17 8.71 6.07 13.24 9.16 19.79 7.36 17.25 1.80 12.49 6.24 0.29 14.91 15.79 19.37 3.22 9.36 11.83 14.20 8.01 16.02 14.28 10.32 16.69 16.18 11.48 16.57 9.39 10.15 17.63 0.43 10.48 8.54 0.88 2.04 8.23 18.75 9.30 11.14 5.31 18.50 12.23 2.09 5.01 $7.35 \ 18.02 \ 9.25 \ 1.05 \ 7.88 \ 17.13 \ 3.32 \ 17.84 \ 8.31 \ 13.92 \ 17.61 \ 2.23 \ 0.53 \ 9.99 \ 12.48$ 17.99 8.85 7.46 16.21 19.74 7.98 11.34 0.77 4.49 11.80 6.81 2.44 15.67 18.43 9.43 18.54 7.22 1.72 14.28 4.34 3.27 4.39 3.03 16.82 12.93 13.93 7.71 5.76 18.90 8.75 13.95 16.99 13.70 9.03 17.35 7.11 8.09 14.64 2.26 14.94 2.24 0.50 13.98 10.71 12.45 8.95 2.51 10.96 3.45 7.98 8.99 4.38 9.57 14.68 4.10 1.80 16.87 13.72 12.17 2.27 2.73 12.28 4.09 16.18 9.21 4.96 17.78 6.60 2.48 14.79 5.56 0.02 1.59 9.57 14.76 19.29 6.92 7.22 19.75 2.87 0.99 17.71 1.63 17.19 12.80 4.92 15.22 1.67 10.13 7.09 11.93 9.76 14.20 11.28 2.18 3.35 15.50 14.24 0.79 3.12 10.90 19.57 5.29 12.48 17.78 19.62 8.38 19.18 13.32 9.32 2.94 15.33 14.29 18.86 0.99 3.72 15.99 11.99 16.43 16.72 7.72 17.99 15.29 2.27 16.50 6.27 17.16 10.91 0.83 15.05 16.69 7.63 1.94 7.93 4.97

Test Output To Screen:



Problem #8 60 Points

8. Juliana

Program Name: Juliana.java Input File: juliana.dat

```
Test Input File:
```

EΕ 1 BB н н 1 EE

```
17 15
Sam Franklin: 6 CS CS John Adams Tom Jennings
John Adams: 3 Music Accounting D D
Tom Jennings: 2 CS Accounting Sam Franklin
George Paul: 2 Accounting CS Tom Jennings
James Lebron: 4 Music CS John Adams
A A: 5 AA BB B B C C D D E E F F
BB: 3 BB BB A A G G H H C C E E
C C: 10 AA DD H H G G F F E E I I
D D: 1 DD CC J J B B E E F F G G
E E: 3 EE EE G G H H
F F: 4 DD EE B B G G A A F F
G G: 6 BB BB C C
H H: 8 BB BB A A I I J J
I I: 2 BB EE Sam Franklin J J B B E E
J J: 7 EE CC Tom Jennings C C F F
Sam Franklin
2 CS
James Lebron
4 Accounting
George Paul
2 Accounting
A A
4 BB
Н Н
5 BB
JJ
9 BB
John Adams
5 CC
ВВ
1 Accounting
Tom Jennings
4 AA
A A
3 BB
C C
2 CC
ΙI
1 DD
JJ
1 BB
F F
1 WW
C C
1 AA
```

Test Output To Screen:

Tom Jennings

John Adams, Tom Jennings G G, H H A A, G G JJ John Adams, Tom Jennings A A, C C В В, G G, Н Н JJ C C, D D, F F A A, B B, G G, H H, I I A A A A, B B, G G, H H, I I

EE, FF, II, JJ

Problem #9 60 Points

9. Ksenyia

Program Name: Ksenyia.java Input File: ksenyia.dat

Test Input File:

15

ComedicTiming17 Rocket@1776ABC BenHornSheep qw3RTYuiooo!

JabbaTheDominoHuttIsBig

ForsakenMY\$45 ComedicTiming17 Rocket@1776ABCD BenHornSheep94 qw3RTYuiooo! BenHornSheep94

JabbaTheDominoHuttIsBig\$%^3536263624652642654

ABCD A3s%

aBCDEFGRTEYRGE

Rocket@1776 ABC

H3lloThereG^&

ROCKET@1776ABC

BenHornSheep945

rocket@1776abc

BenHornSheep95

Rocket@ABDEFG

BenHornSheep96

Rocket1776ABCD

BenHornSheep97

H3L!00Theree%%

BenHornSheep98

H3L!000There%%

BenHornSheep99

H33L!00There%%

Test Output To Screen:

Valid

Password Invalid
Username Invalid
Username Invalid
Password Invalid
Password Invalid
Both Invalid
Both Invalid
Both Invalid
Password Invalid
Password Invalid
Password Invalid
Password Invalid
Password Invalid
Valid

Password Invalid

Valid

Problem #10 60 Points

10. Martyn

Program Name: Martyn.java Input File: martyn.dat

Test Input File: 250000	~ Continue previous col ~ 10042186	~ Continue previous col ~ 657520840
1098247	1689533060	1
4201	134693410	1232526191
1671766481	40606963	242051645
35	1730	27
7	73008	1278392136
	1672415100	
192031777		1033994219
814400748	1584938668	1029055
24320096	26712	3297664
444619405	9	1346619954
1438991709	678797226	1392775948
493761175	19	49138183
197548772	354841745	1287824190
316831436	37959384	12
4447240	595961075	38
11	1053137876	3
20	110575	375802274
1343203186	2040935080	6662481
2	677367690	1942533115
10	25377155	293915328
204685	1112859922	363762628
3956631	1087753090	4
37485160	827025838	2
11	975	215565
126433448	20	594225405
		15
5591135	781481263	
238607607	68391561	1410319888
2394741	1968304397	0
29	15873	1726194844
544992435	375637	29
19488	1674448103	1258347974
24	1833427615	19
1989791520	1230574	1256714118
876042	2047233596	341132276
5	35	796127423
4766285	3	1436071681
837049857	42351	961151122
679022757	12259	151812653
1241755325	464575317	198957
1466039118	357917960	2567334
165421938	456160326	1893255120
420895080	828729	677840446
177313	10	163251
1523665343	153486887	593072831
29213259	4102371	503938656
~ Continues next col ~	~ Continues next col ~	~ Continues ~
- Commues near cor ~	- Commues next cot ~	- Commues ~

[~] Input file contains 250001 lines of data, some lines very long – see martyn.dat file for complete input ~

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~ Martyn continued ~

```
Test Output To Screen: (indented lines are continuation of previous line)
17
7, 50, 56, 60
None.
6, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53,
      54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64
2, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26,
      27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44,
      45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62,
      63, 64
None.
None.
33
None.
None.
None.
None.
None.
48
10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,
      31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48,
      49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64
3, 9, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37,
      38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55,
      56, 57, 58, 59, 60, 61, 62, 63, 64
None.
3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24,
      25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42,
      43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
      61, 62, 63, 64
3, 4, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28,
      29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46,
      47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64
14
50
33
10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,
      31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48,
      49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64
None.
31
None.
56
4, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47,
      48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64
None.
31
5, 7, 11, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40,
      41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58,
      59, 60, 61, 62, 63, 64
None.
53
```

[~] Output file contains 250000 lines of data, some lines very long – see martyn.out file for complete output ~

Problem #11 60 Points

11. Prachi

Program Name: Prachi.java Input File: prachi.dat

Test Input File:	~ continue previous col ~	Test Output To Screen:	~ continue previous col ~
12	10 10 5 7	####	########
5 4 1 1	########	#\$\$#	# # . # # #
####	# # - # # #	####	# # #
# #	# # #	# #	#####
####	###.##	####	#.##\$###
# #	#.##.###	###\$##	#.#\$\$\$##
####	# . # # #	#\$\$\$\$#	##\$\$\$###
6 6 1 4	####	###\$\$\$	#\$\$\$###
###.##	# # # #	###\$	#\$###.#
##	#.###.#	#.##\$\$	########
###	########	#\$\$\$	########
# # # .	10 10 1 1	##\$#	# # . # # #
#.##	########	#\$\$\$##	# # #
#	# # . # # #	.#\$\$\$#	#####
3 8 1 5	# # #	#\$\$##.	#.##.##\$\$#
# # . #	#####	\$\$	#.##\$\$#
# # #	#.##.###	\$\$	###\$\$##
.##	#.##	\$#	###\$\$\$#
1 8 0 1	####	#.	#.##\$\$\$#\$#
###.	# # # #	##.	########
2 2 0 0	#.###.#	.####	########
	########	#\$\$#.#\$\$	#\$\$#\$###
• •	10 10 1 7	\$\$\$##\$\$\$	#\$\$\$\$##
2 2 0 0	########	##\$\$\$\$\$#	##\$\$####
.#	# # . # # #	####.	#.##.###
· π # .	# # #	#	# . # # #
#• 8 8 3 2	###.##	# # #	#####
##.			
	# - # # - # # #	~ continues next col ~	# # # #
.####	# . # # #		#.###.#
# # . #	## # #		########
##	# # # #		########
###	# . # # # . #		##.##\$\$#
####.	########		##\$\$\$#
#	1 1 0 0		###\$\$###
# # #	•		# . # # . # # #
10 10 5 4			# . # # #
########			####
# # . # # #			# # # #
# # #			#.###.#
#####			########
#.##.###			\$
#.##			
#####			
# # # #			
#.###.#			
########			
~ continues next col ~			

Problem #12 60 Points

12. Valery

Program Name: Valery.java Input File: valery.dat

Test Input File:

12 A 7 BCEGIKL в 3 E I L C 3 DIL D 2 F L E 2 F J F 3 G H K G 1 L н 1 I I 1 L J 0 K 0 L O

Test Output To Screen:

A->B->C->D->E->F->G->H->I->J->K->L