Contest: Comprehensive Spatial Mental Inspection (COSMIC)

April 1, 2018 – June 20, 2018 11:59pm ET

Participants: 14

Test Designer: James Dorsey

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Contest Information

Cheating: Do not discuss answers/hints. No time limit. Two attempts and reference aids are allowed. No penalty for guesses/wrong answers. Comprehensive Spatial Mental Inspection (COSMIC)

Observe the rotation and symmetry of the letters/numbers/symbols; for the solutions, use your keyboard – no drawing or software required! I. Series

~.~

+=!

.~.~.

- 1. Complete the series:
- 2. Complete the series:

?

+!

<

|||*|///* ||//||||

3. Complete the series:

=!

II. Matrices

4. Find the missing element in this matrix:

?

/____?5. Find the missing element in this matrix:

- + +- -
- 6. Find the missing element in this matrix:
 - % #% # W VW V

III. Analogies

- 7. Complete the analogy:
- ' is to '' as : is to ? 8. Complete the analogy:

9. Complete the analogy:

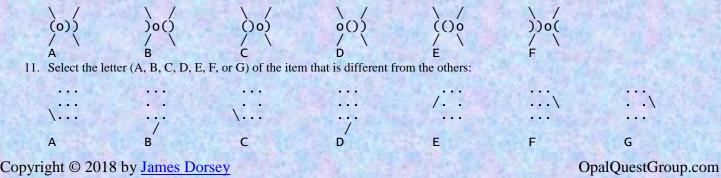
```
∧ : <*0 :: N : ?
* 0*> +
0 X
```

IV. Odd-One-Out

10. Select the letter (A, B, C, D, E, or F) of the item that is different from the others:

?

+=

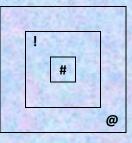


12. Select the letter (A, B, C, D, E, F, G, or H) of the item that is different from the others:

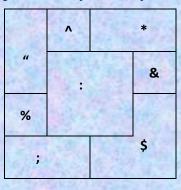
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		Sec. Links	D	S A MARCH	1995	N SER.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

V. Problem Solving

13. State the order that the following squares were put on top of each other:



14. State the order that the following overlapping same-sized squares were put on top of each other:



15. State the reverse order that the following overlapping same-sized squares were put on top of each other:

1	-	+	
	(>
10			
<	1	?)

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2nd Mean Ranking Country 1st Attempt Prize Name Score Attempt Free test submission and free society membership 14 Winner 14 Tim Roberts Australia N/A until September 30, 2018 2nd Place Jawdat Wehbe Wehbe Venezuela 12 14 13 Free test submission until August 31, 2018. Heinrich Siemens Germany 12 N/A Hidden 11 Hidden 13 **Daniel Hilton** England 12 N/A 3rd Place 12 12 50%-off test submission until July 31, 2018. Nguyen Tran Hoai Thuong Vietnam N/A Joseph Hayes USA 12 N/A 11 13 Jim Lorrimore England David Quint USA 11 13 N/A 4th Place Tiberiu Sammak Romania 11 11 N/A Nobuo Yamashita 9 Japan Secret Prize: 5th Place Anfinn Bjartalíð Faroe Islands 9 N/A 9 given to all participants 10 Alexandre Duran Brazil 8 6th Place Tonny Sellén Sweden 8 N/A 8

Final Scoreboard (June 20, 2018)

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