

Mathematical Puzzle Programs



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Part I

About



School Name

MaPP Challenge '19 - To Infinity And Beyond

Scoresheet

Game Control and your team each have a copy of this scoresheet. When submitting solutions, bring your team's copy to Game Control to be updated.

Team Name/ID

Opening P	uzzle: Where No One	Has Gone E	Before — Used	to unlock Ma	ain Puzzles
Main Puzz	zles		1500VP for each Main	Puzzle solved; Time S	olved used to break ties in \
1	Clontz - Hamilto	Time Solved	VP Earned		
2	Carrigan - Ar	Time Solved	VP Earned		
3	Couch -	Time Solved	VP Earned		
4	Clontz/Varagona -	- Idempotent Re	lations	Time Solved	VP Earned
Cryptic Pu	ızzles		500VP for each Cryptic	Puzzle solved; Time S	olved used to break ties in \
1	Clontz -		Time Solved	VP Earned	
2	Clair - S	Time Solved	VP Earned		
3	Clontz/Reit	Time Solved	VP Earned		
4	Clontz/Harshba	Time Solved	VP Earned		
Bonus Puz	zzle			Up	to 500VP for best submissi
Holshouse	r - Origami	Second Submission	Third Submission		VP Earned
Metapuzz	le		100	MOVP if solved. Time S	olved used to break ties in '
	???	Time Solved	VP Earned		
			Up to 500V	/P if earned, Time Acc	juired used to break ties in \
			Additional VP	Time Acquired	VP Earned
					10,000VP Maximu
			Total	VP Earne	·d

Part II

Puzzles

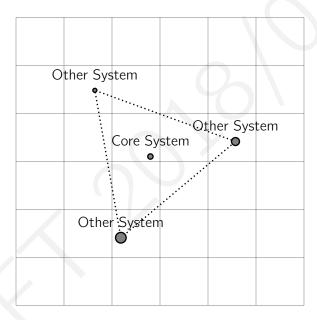


Where No One Has Gone Before

Opening Puzzle

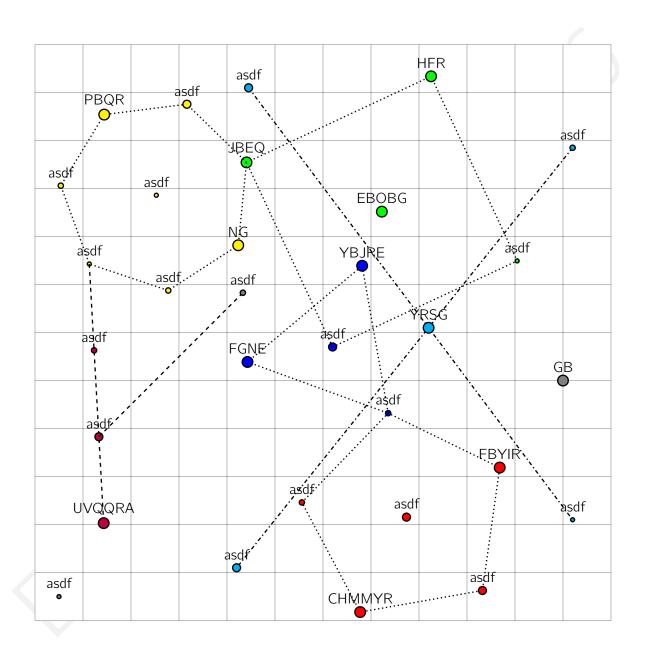
Today's adventure begins as your team's ship launches into space. Space Fleet has provided you a **Galaxy Map** to guide you on your way. (Actually, several copies have been provided to you! Take care of these copies, as you will refer to the Galaxy Map several times throughout the adventure.) Each dot on the map refers to a different solar system, named on the map.

Space Fleet commands you to first visit the four **Core Systems** of the galaxy. You can recognize a Core System by the fact that it is located in the middle of a regular polygon (all sides are the same length) formed by either three, four, five, or seven other systems. An example is shown below.





Where No One Has Gone Before Galaxy Chart



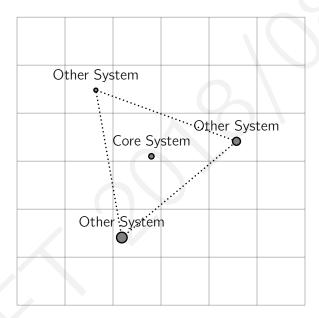


Good News Everyone

Main Puzzle 1

Today's adventure begins as your team's ship launches into space. Space Fleet has provided you a **Galaxy Map** to guide you on your way. (Actually, several copies have been provided to you! Take care of these copies, as you will refer to the Galaxy Map several times throughout the adventure.) Each dot on the map refers to a different solar system, named on the map.

Space Fleet commands you to first visit the four **Core Systems** of the galaxy. You can recognize a Core System by the fact that it is located in the middle of a regular polygon (all sides are the same length) formed by either three, four, five, or seven other systems. An example is shown below.

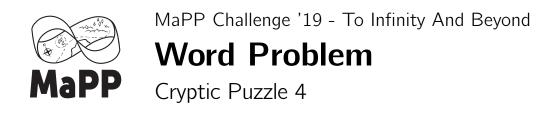




Good News Everyone

Delivery Schedule

	Monday				Monday	
Home	Wednesday				Wednesday	Home
	Friday				Friday	





For a time I tried carefully to detail yarns via large crawling textboxes.

However, composing all of the concepts when curbed by finite room, the new strategy now is...

Part III Solutions



Solutions

Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu, libero. Fusce sagittis erat at erat tristique mollis. Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui. Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo. Morbi dui. Aliquam sagittis. Nunc placerat. Pellentesque tristique sodales est. Maecenas imperdiet lacinia velit. Cras non urna. Morbi eros pede, suscipit ac, varius vel, egestas non, eros. Praesent malesuada, diam id pretium elementum, eros sem dictum tortor, vel consectetuer odio sem sed wisi.

Sed feugiat. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Ut pellentesque augue sed urna. Vestibulum diam eros, fringilla et, consectetuer eu, nonummy id, sapien. Nullam at lectus. In sagittis ultrices mauris. Curabitur malesuada erat sit amet massa. Fusce blandit. Aliquam erat volutpat. Aliquam euismod. Aenean vel lectus. Nunc imperdiet justo nec dolor.

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Aliquam lectus. Vivamus leo. Quisque ornare tellus ullamcorper nulla. Mauris porttitor pharetra tortor. Sed fringilla justo sed mauris. Mauris tellus. Sed non leo. Nullam elementum, magna in cursus sodales, augue est scelerisque sapien, venenatis congue nulla arcu et pede. Ut suscipit enim vel sapien. Donec congue. Maecenas urna mi, suscipit in, placerat ut, vestibulum ut, massa. Fusce ultrices nulla et nisl.