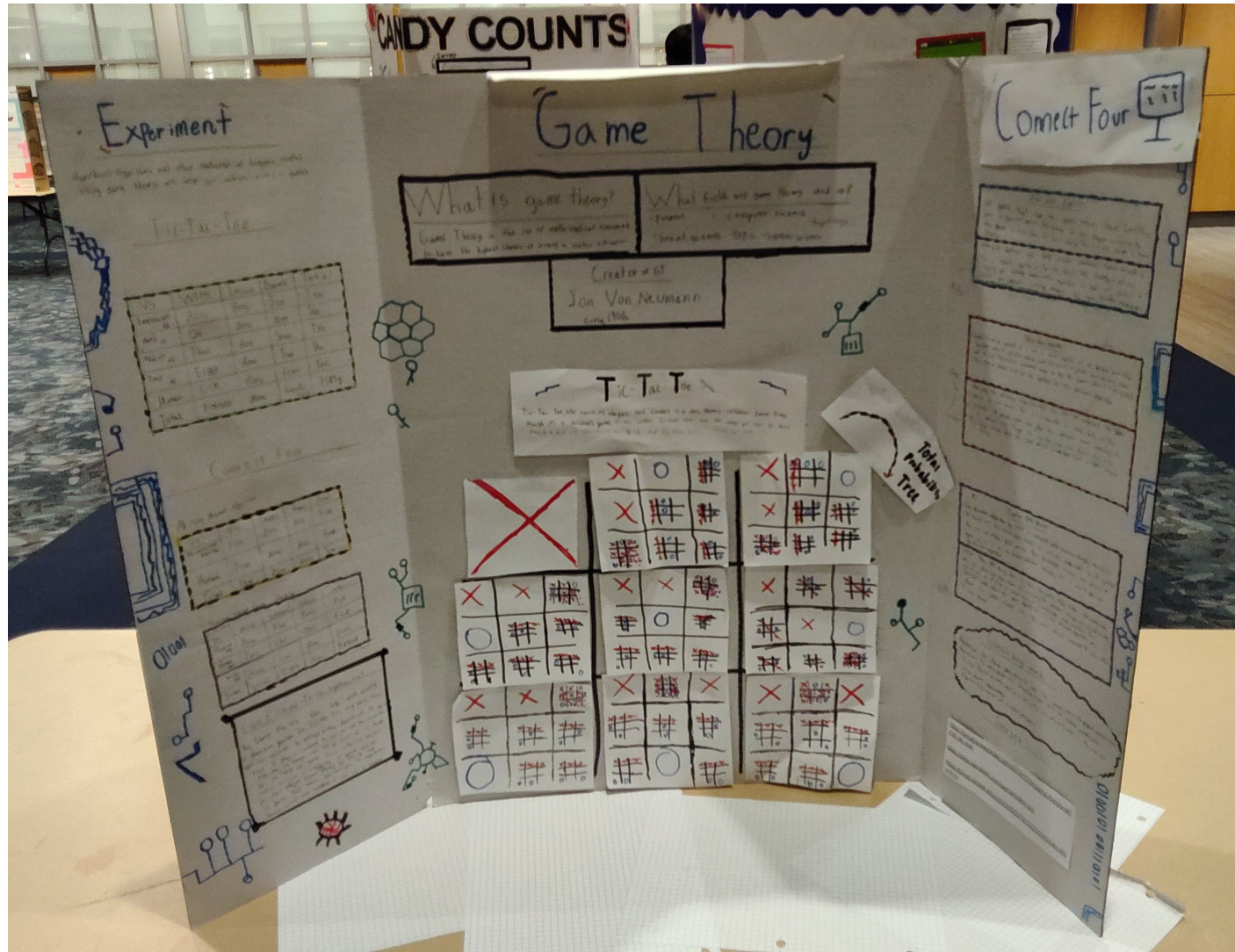




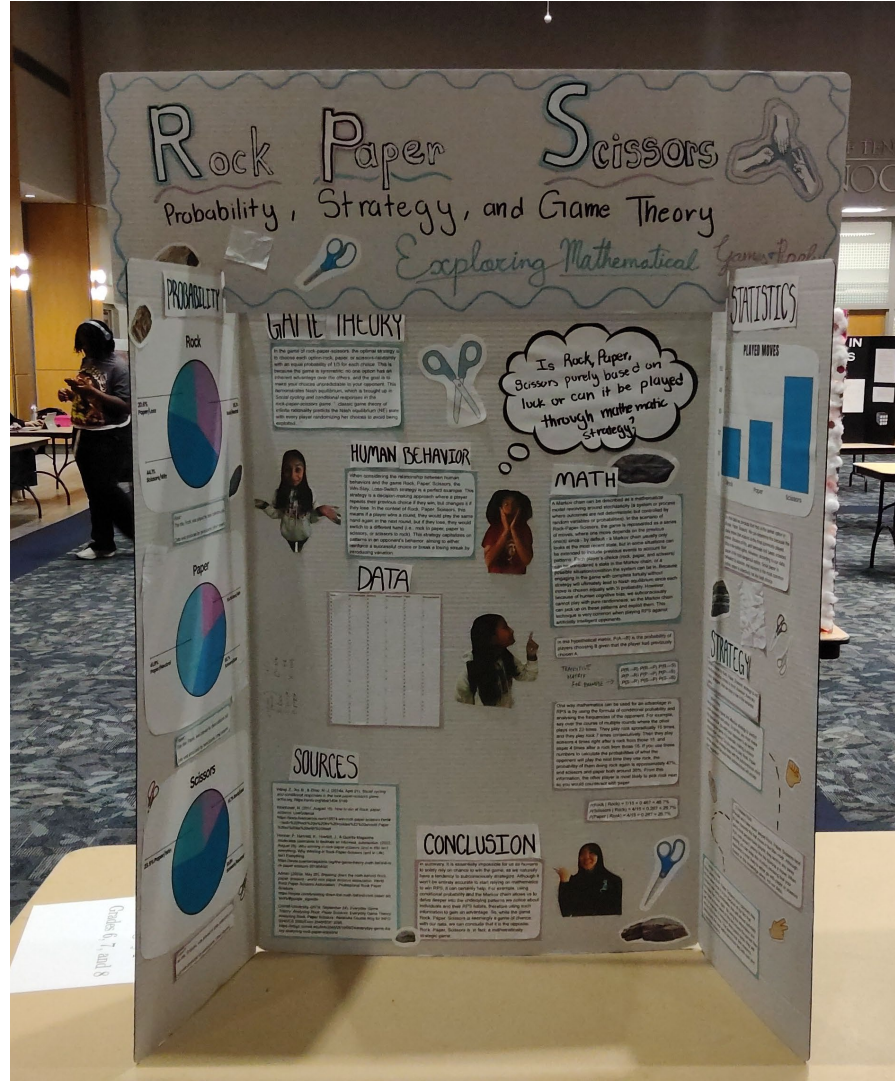
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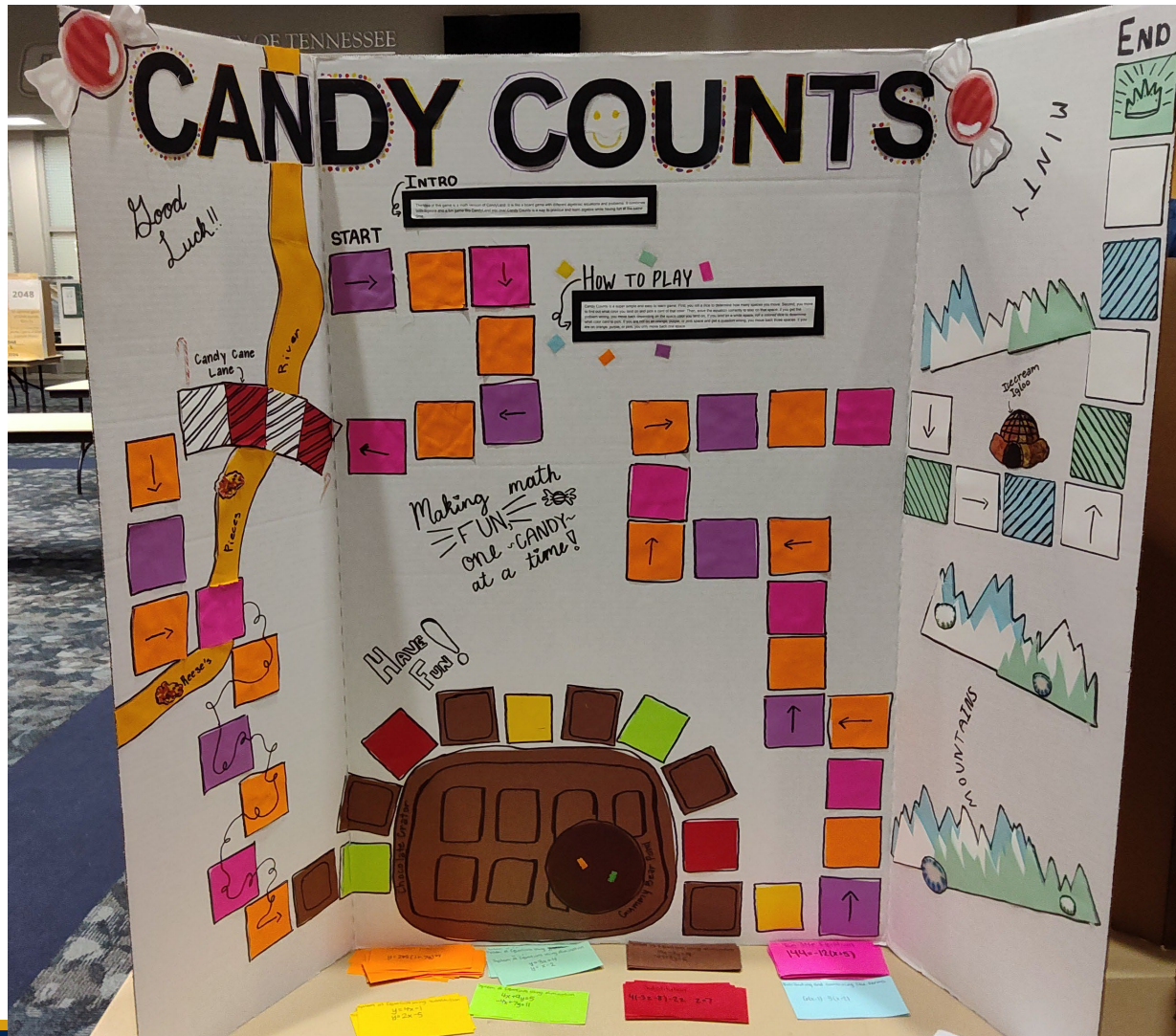
Category I – 3rd Place



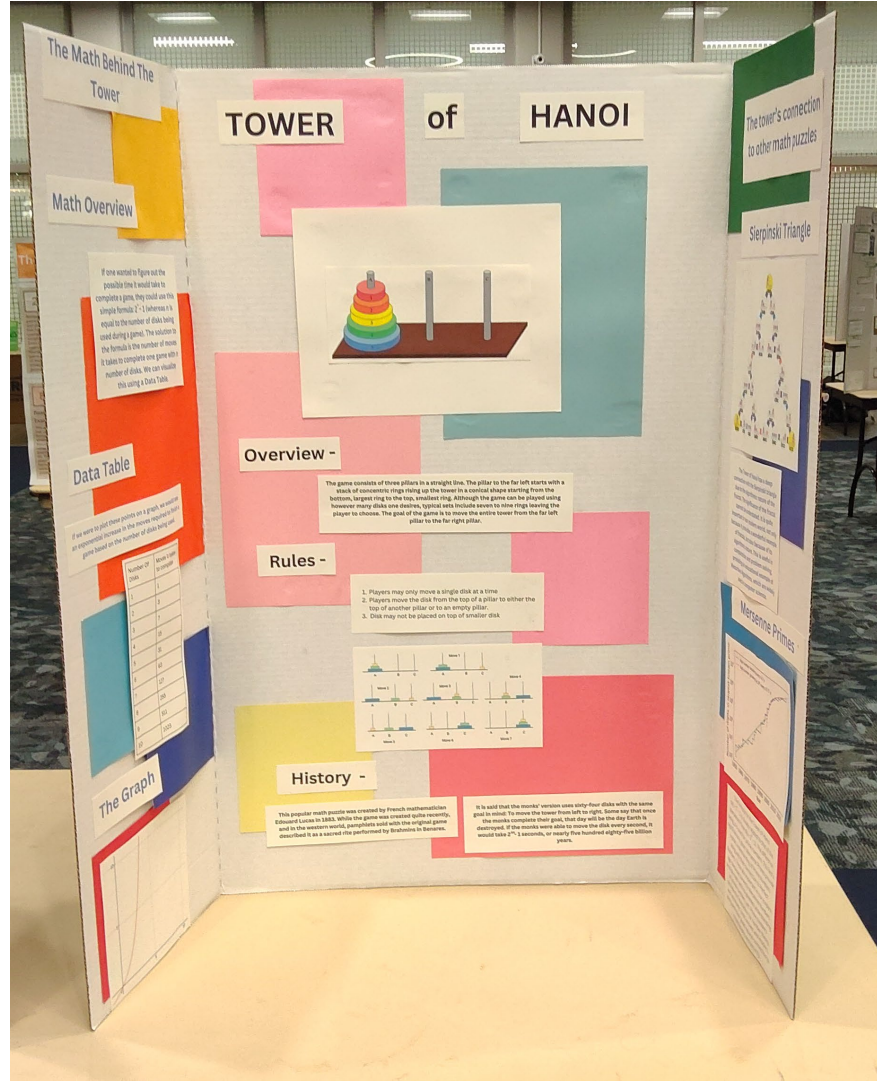
Category I - 2nd Place



Category I – 1st Place



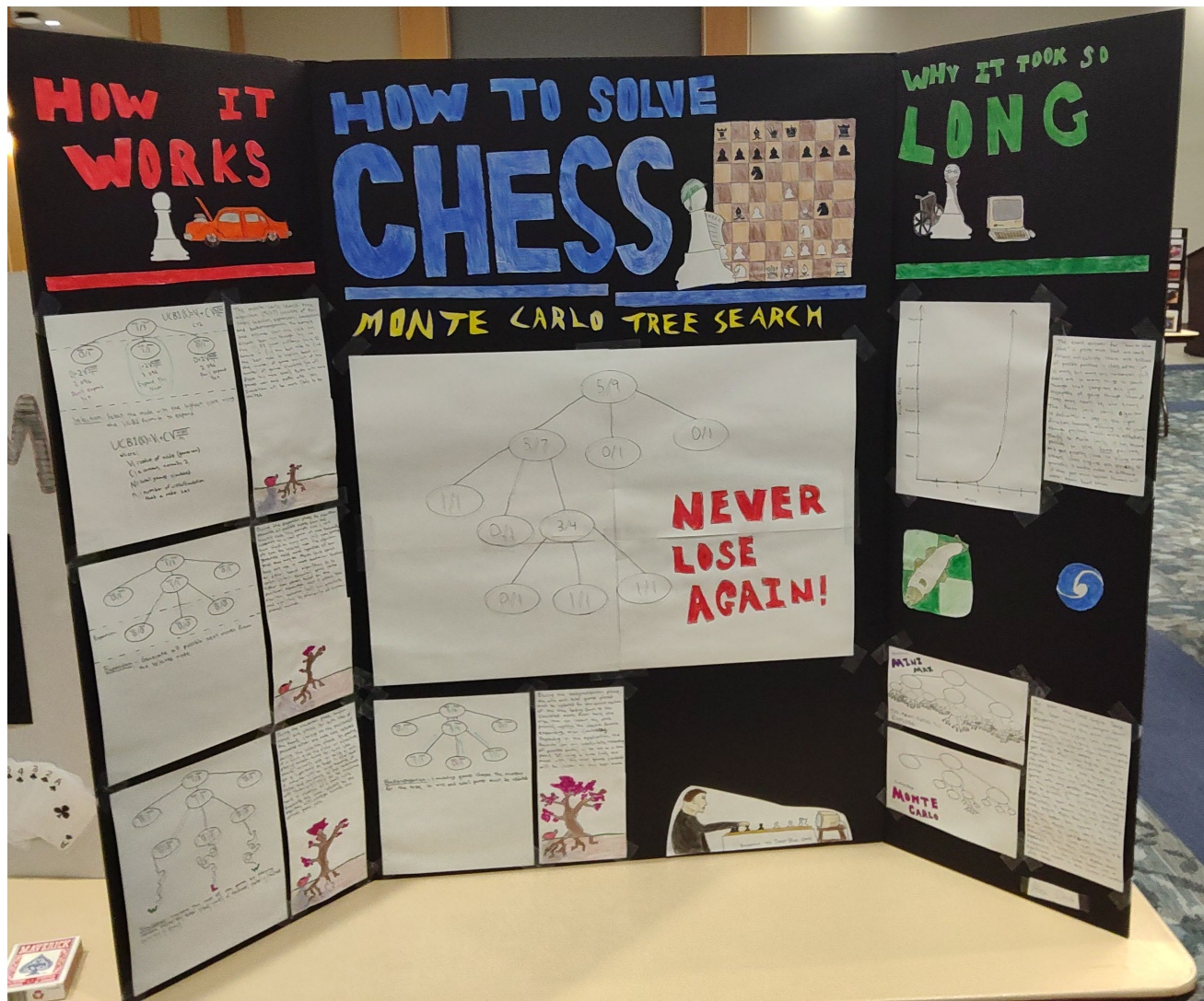
Category II – 3rd Place



Category II - 2nd Place



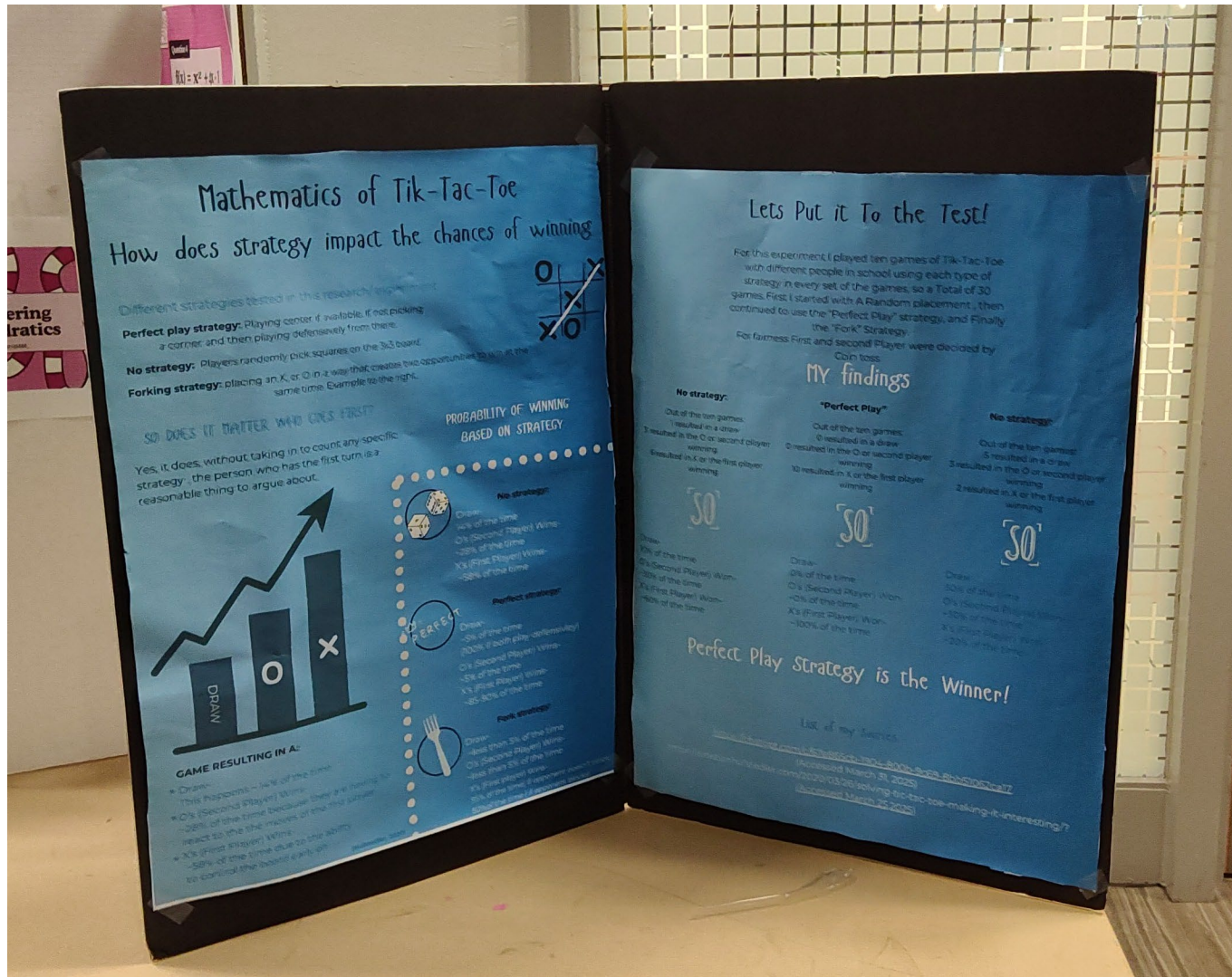
Category II – 1st Place



Category III – 3rd Place



Category III - 2nd Place



WHY THE HOUSE ALWAYS WINS

The Math of Roulette

American Roulette

American Roulette and Expected Value

American Roulette and House Edge

Casinos and the House

Calculating Expected Value

The House Edge

Another Way of Thinking About Expected Value

Specific Examples from the Chart

Congratulations!



Bridges Beyond the Classroom

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