

Letter Quads Documentation: How to memorize any worldly information faster?



1. Personal Introduction: Am I a linguistic or a wannabe memory athlete?

This has been my linguistic endeavor since I first made my letter pair list way back in 2013. I remember that I had chosen 450 random images and had made a letter pair list, and I had also made a movie out of it with each image being shown for 1 second using the Windows Movie Maker software. This was my introduction to the [memory sports world](#).

I had always memorized in the language of English which had been my language of schooling and my medium of study from school right up to college.

Till the age of 10, I knew Marathi and English well, and I knew only a little bit of Hindi from Bollywood movies, and a little bit of Mandarin and Bahasa Melayu taught in primary school.

I first encountered the Indian languages when I came to India at the age of 10. I didn't know Hindi and had to pick it up from the ground up.

Then I lived in Gujarat state where I had to converse in the local dialect of Gujarati with the vendors and helpers around.

I experienced one of the biggest cultural shocks when I did my undergrad in South India, in the state of Tamil Nadu. There most of my friends were Telugu and Bihari and I had to learn how to converse with them. I also had numerous encounters with the Tamil language, which is one of the oldest languages in the world.

I studied French as a part of my elective in the second year of undergrad.

When I encountered the news of AlphaGo in 2016, I really wanted to learn the game of Go. Sadly, there was no tutorials and enough documentation on it other than AGA Go association, and to learn advanced techniques, I had to start learning the East Asian languages.

Japanese was always a powerhouse in Go, and recently Korea has been competitive in the Go world. China had always produced good Go players, and they were the most shocked by the AlphaGo program. So, I had to learn Chinese, Korean, and Mandarin to really understand the content and new knowledge the Go world keeps creating.

As a kid, I have always been fascinated by the game of chess, and I play it for quite a while during high school. The thing that I used to find that separated the very high-class GM from a normal amateur chess player, was the amazing preparation the GM used to put to get his technique and

repertoire correct. As an amateur player, I had faint level positional chess sense, and I was riding high on attacking chess and tactics. But this thought of how important chess preparation always stays in my mind.

I am always been perplexed by the Rubik's Cube, and I can say my perception keeps changing as I mature. At first, it used to be a great feat just to solve one side, upon which I stayed satisfied for years, then one day I learned how to solve it completely by looking up an online tutorial.

Doing the cube blindfolded was the next challenge which I took up, which took me another four years to get the hang of, and I did it by leapfrogging from the Old Pochmann method to using M2/R2 in my solves. It is the optimization that I want to get in the memorization phase of the blindfold solve, that made me dive into the world of linguistics.

2. Why the number 4?

Indian rhythmic rich history has always played with the beat of 4, placing 4 beats anywhere has resulted in such rich rhythmic compositions.

The major learning of the letter quads happened when I came back to Gujarat for my postgrad. I had rejoined learning Tabla instrument, which I had learned from the age of 13-15, and now I had more maturity in understanding it.

3. NLP influence

I had taken up a course on Information Retrieval and Natural Language Processing in my post-grad, and it was also the time when I started developing my new language of quads.

There was a person called Robertson who visited our campus, and he was a retired UK NLP academic scholar. He said to my friend, that he is always mystified by the spaces that we have in the language of English. The origin of spaces in human languages is still a mystery. There was no evidence as to when it started.

4. Plato and the number 5040

There are a total of 126,720 edge 5-cycle algorithms on the 3x3. To make useful information coding at such a scale, I had to derive motivation from Plato and his obsession with the base 5040 numeric system. We have always been acquainted with the base 10 decimal system, that we use for everyday math. The number 10 was chosen as we have 10 fingers and that makes counting easier.

5. Minimum number of letters for capturing any word dilemma

Are 4 letters called as so-called receptors enough for capturing any word? I have chosen the number 4 because it appears fundamentally in nature when we count.

Just four guesses sometimes are enough to guess the entire thing, such is the power of the human brain.

6. Speedcubing and Memorization

There are a total of 4 events in the World Cube Association that rely on one-shot memory of the participants in order to successfully complete the entire solve.

These events are 3x3 Blindfolded, 4x4 Blindfolded, 5x5 Blindfolded, and 3x3 Multiple Blindfolded.

The first event tests our short term memory as generally there is 20 random letter sequence we have to memorize from the cube.

The second and third event test our quickness in translating memory from the short term to the long term. And the final event tests our ability to retain memorized letters in our long term memory.

At the basic competitive level, competitors need to know about how to make quick images from the string of memo, and they use the standard technique of letter pairs for this.

As we try and get better at this event, we have to delve into linguistics and wild imagination to come up with new ideas which are less spicy so that they take up less time, but they can be retained for a longer time.

Kuad language is one such attempt to solve this problem by making memorization easier by having a chunk of 4 letters implying just one thing, which can help make the thought process more streamlined.

7. Will the language of these Kuads be robotic or like a natural language?

It depends. Maybe if the language kuads get generated by computer scripts, then it can be quite similar and lose coherence. But if the language is handcrafted by a group of enthusiastic people then there is a chance the language can grow and become an effective form of communication.

This is an insanely categorical approach towards the way we use information. It is only after the industrial age that we started categorizing and documenting things and that has led to tremendous progress in science, tech and human knowledge.

8. Klingon or Esperanto?

This language is mainly composed of English alphabets and it is taking 100% loan words from languages that I know. The loanwords are compressed to just 4 letters to make one kuad arbitrarily.

More information and tools

To make newer kuads, a nice tool developed by Roman is:

<https://bestsiteever.ru/letterpairs/>

<https://bestsiteever.ru/liti/> (You need to know Russian for this) or a better option is

<https://bestsiteever.ru/colpi/> (If you are multilingual)

Hi, I am Abhijeet. I developed a passion for linguistics by watching this Youtube channel:

[LangFocus](#)

You can contact me for suggestions at 5stylerepertoire@gmail.com