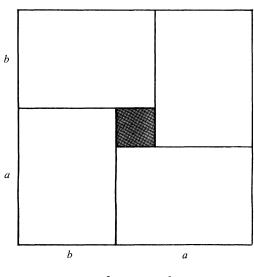
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## References

- [1] H. Beker and F. Piper, Cipher Systems: The Protection of Communications, John Wiley and Sons, 1982.
- [2] Cryptologia, Rose-Hulman Institute of Technology, Terre Haute, Indiana.
- [3] W. F. Friedman, The Index of Coincidence and Its Application in Cryptography, Riverbank Laboratories, Publication No. 22, Geneva, Illinois, 1922.
- [4] \_\_\_\_\_, Jules Verne as cryptographer, Signal Corps Bull., (1940) 70–107. This article is reprinted in Cryptography and Cryptanalysis Articles, v. 2, Aegean Park Press, Laguna Hills, California, 1976.
- [5] H. F. Gaines, Cryptanalysis, Dover, New York, 1956.
- [6] Martin Gardner, A new kind of cipher that would take millions of years to break, Scientific American, 237 (1977) 120-124.
- [7] C. W. R. Hooker, The Jules Verne cipher, The Police Journal, London, 4 (1931) 107–119.
- [8] David Kahn, The Codebreakers, Macmillan, New York, 1967.
- [9] \_\_\_\_\_, Kahn on Codes, Macmillan, New York, 1983.
- [10] S. Kullback, Statistical Methods in Cryptanalysis, Aegean Park Press, Laguna Hills, California, 1976.
- [11] A. Lempel, Cryptology in transition, ACM Computing Surveys, II (1979) 280-303.
- [12] A. Sinkov, Elementary Cryptanalysis—A Mathematical Approach, The New Mathematical Library no. 22, Mathematical Association of America, Washington, D.C., 1968.
- [13] Jules Verne, Voyage au Centre de la Terre, Hetzel, Paris, 1864. Journey to the Center of the Earth, Dodd, New York, 1984.
- [14] \_\_\_\_\_, La Jangada, Hetzel, Paris, 1881. Eight Hundred Leagues on the Amazon, Didier, New York, 1952.
- [15] \_\_\_\_\_, Mathias Sandorf, Hetzel, Paris, 1885. Mathias Sandorf, Hachette, Paris, 1979.

## **Proof without words:**

## The arithmetic mean-geometric mean inequality



$$(a+b)^{2} - (a-b)^{2} = 4ab$$
$$\frac{a+b}{2} \ge \sqrt{ab}$$

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