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to ascertain the material facts of a case before they make statements, or draw conclusions.

ADAMS AND JEFFERSON.

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We have heretofore extracted a few interesting articles from the CHAMBLEON, 2 journal conducted by an association of young gentlemen, students of the University of Virginia. We add, to-day, another, of a very appropriate character, inasmuch as it relates partly to him whose pride and boast it was, to have inscribed upon his tomb-stone that he was the father and the founder of that institution.

It is curious, as combining Mathematics and Biography with an extract from tables calculating the value of lives.

DEATH OF ADAMS AND JEFFERSON.

Le vrai n'est pas toujours vraisemblable.

When it was announced that the death of Thomas Jefferson had occurred on the fourth of July, 1826, at the time when the whole Ame-t rican people were engaged in celebrating the o jubilee of their independence, in the consum- a mation of which he had acted so distinguished in a part, we were struck with wonder at the extraordinary coincidence. But when the intelli-s gence soon afterwards arrived, that his illustrious colleague, John Adams, had died on the same day, our astonishment knew no bounds. Every one considered the concurrence of these two events, each in itself so improbable, as a prodigy almost miraculous, and nothing but an o amount of evidence absolutely irresistible could

But while every one can thus feel that this event was in the highest degree improbable, we have not seen any attempt made to estimate, in numbers, the amount of this improba- J bility. Yet the problem is as capable of solution as any other in the doctrine of chances; and, as we are sure that it cannot be considered destinate of interest, we shall now present it le to our readers. It may be stated as follows :

have convinced us of its truth.

At the time of the declaration of indepenfor to dence, what was the probability that Adams neir and Jefferson should both die on the celebraect tion of the jubilee, fifty years thereafter? The following are the data for solving this ble problem : John Adams was born on the nineteently of onout October. 1735—consequently, on the fourth of the July, 1776, he was 40.7 years old; and on the the July, 1776, he was 40 ose fourth of July, 1826, when he died, he was t to 90.7 years old. According to the Chester Table of mortality, by and given in the Library of Useful Knowledge, at ca. the end of the Treatise on Probability, out of 10,000 individuals born, !_ 10,000 individuals born, The number living at 40.7 years, is 4465, 90.7 185, ıeir ich 91.7 155. ted Thomas Jefferson was born on the second of orbe July, 1743—consequently, on the fourth of be July, 1776, he was 33 1.4 years eld; and, on rethe day of his death, he was 83 1.4 years old. By the Chester Tables, out of 10,000 born, ose The number living at 33 1-4 years is 4949, 493, iρ, 493, ore .. 84 1-4 Now the probability, on the day of the declaration of independence, that Adams would live at er. least fifty years, is by the above data, nal 4465 en, dď, Arrived at the age of 90.7, the probability that ac. he would live at least one year longer isuse on the Consequently, the propability that he would not 155 live one year longer, is, 1 -30 nd 185 cu-Hence the probability that he would live fifty years, and die within the following year, is equal to the product of the two former probabilities, 30 185 30 or is of 4465 185 of Now we may reasonably make the assumpne-tion, that the probability of the death occurring the on any one day of this year was as great as on m- any other, so that the probability of its happened ing on any specified day, as the first, for inexlli-stance, is tri-365 Hence, finally, we have the probability that the Adams would live fifty years after the declarads. ese tion of independence, and die on the first day 3 2 30 1 1 an of the following year 4465 365 ıld that is, the odds are 54323 to 1, against this his occurrence.

The probability of his then living one year 436 ; and the probability that he would it longer 493

In the same manner, we get the probability of

ba. Jefferson's living at least fifty years

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436 che 57 die within the year,1por 493 493 the The probability that he would live fifty years, do

The probability that he would live fifty years,

31689 Lastly, the probability that both these events

and die on the first day of the following year.

should happen together, or that Adams & Jeffer-

son should both die on the fiftieth anniversary of

1721,473236 Hence it appears that the odds were more than 1721 millions to 1 against the concurrence

of both these events; or that a bet against it,

to correspond with the chances, should have

been more than 17 millions of dollars to a cent.

Yet it did actually happen; and we see how

Extract of a letter from Illinois to the Editor,

reason there was for the universal asto-

and die within the following year,-

the declaration of independence, is

nishment which it excited.