## THE FIRST SIX BOOKS OF

## THE ELEMENTS OF EUCLID

IN WHICH COLOURED DIAGRAMS AND SYMBOLS

ARE USED INSTEAD OF LETTERS FOR THE
GREATER EASE OF LEARNERS

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a perpendicular $(\longrightarrow)$ be drawn from the right angle to the oppofite fide, the triangles ( ) on each fide of it are fimilar to the whole triangle and to each other.


$$
\Delta=\Delta\left(\text { B. . . pr. } 3^{2}\right)
$$

$\therefore$ and are equiangular ; and confequently have their fides about the equal angles proportional (B. 6. pr. 4), and are therefore fimilar (B. 6. def. i).

In like manner it may be proved that is fimilar to ; but has been fhewn to be fimilar
 and
 are fimilar to the whole and to each other.
Q. E. D.

