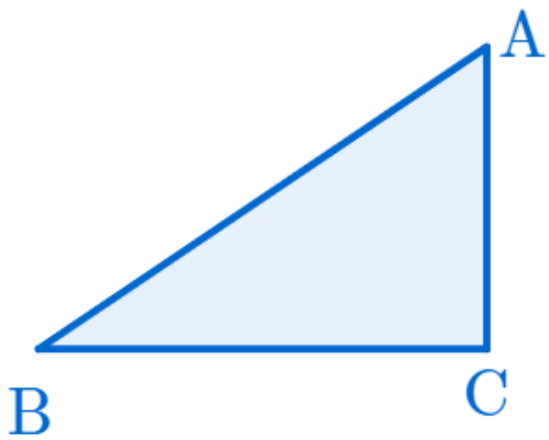
피타고라스 정리
(Pythagorean Theorem)

Pythagorean Theorem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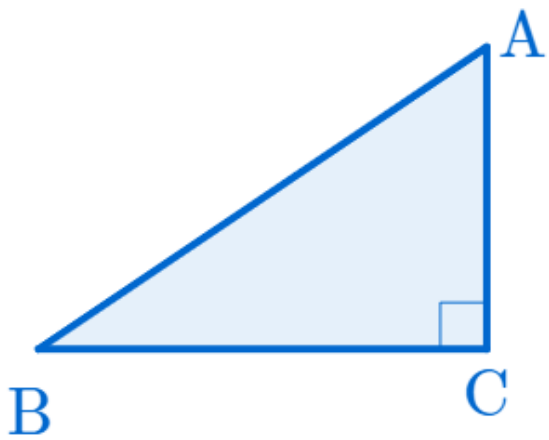
C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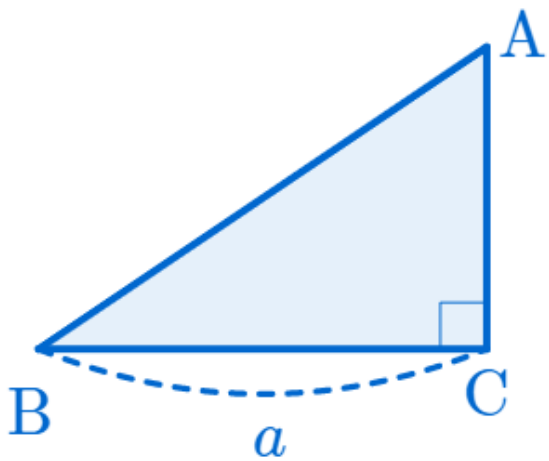
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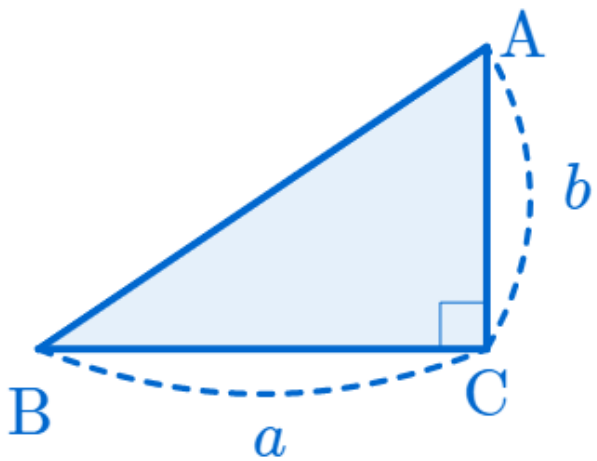
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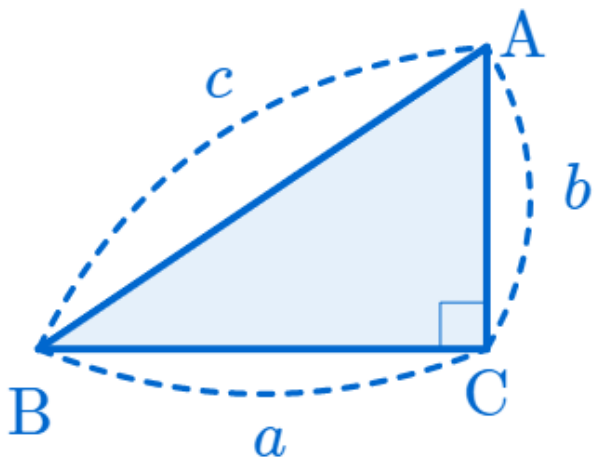
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c
b
B
C
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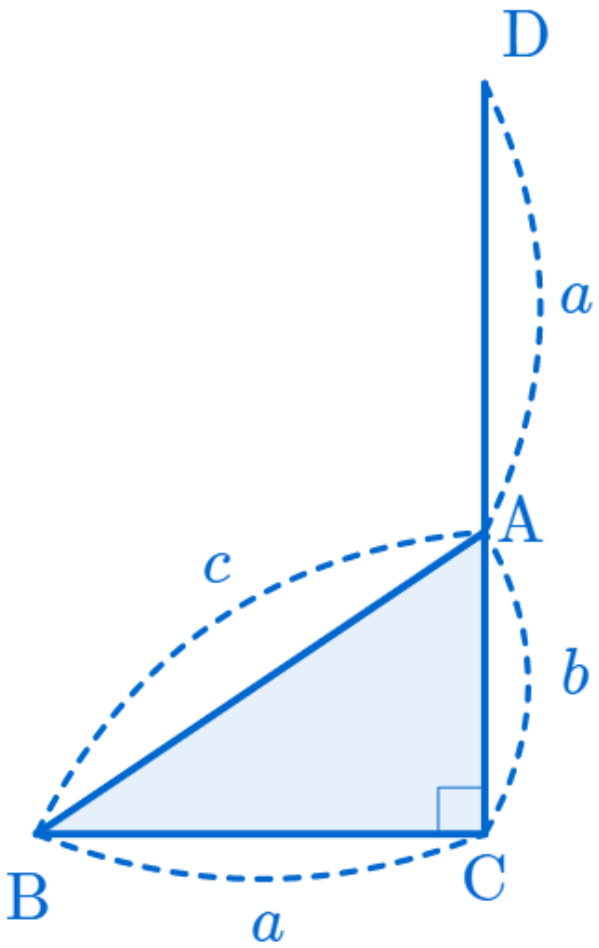
D
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C
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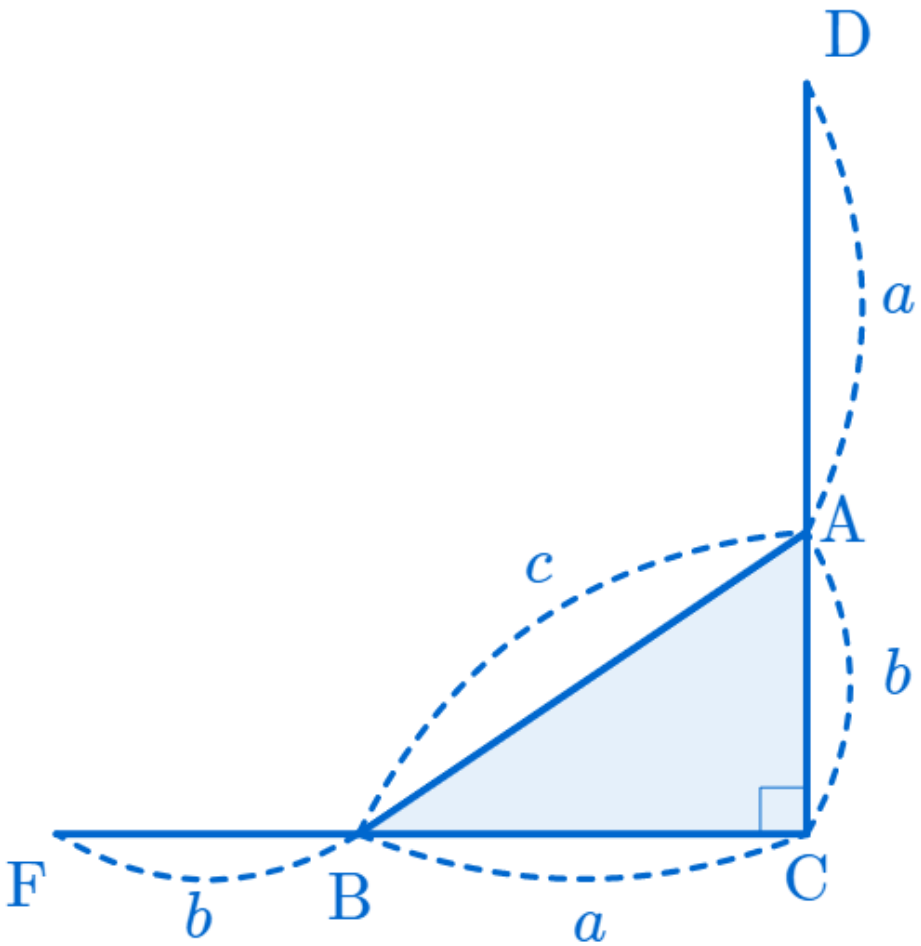
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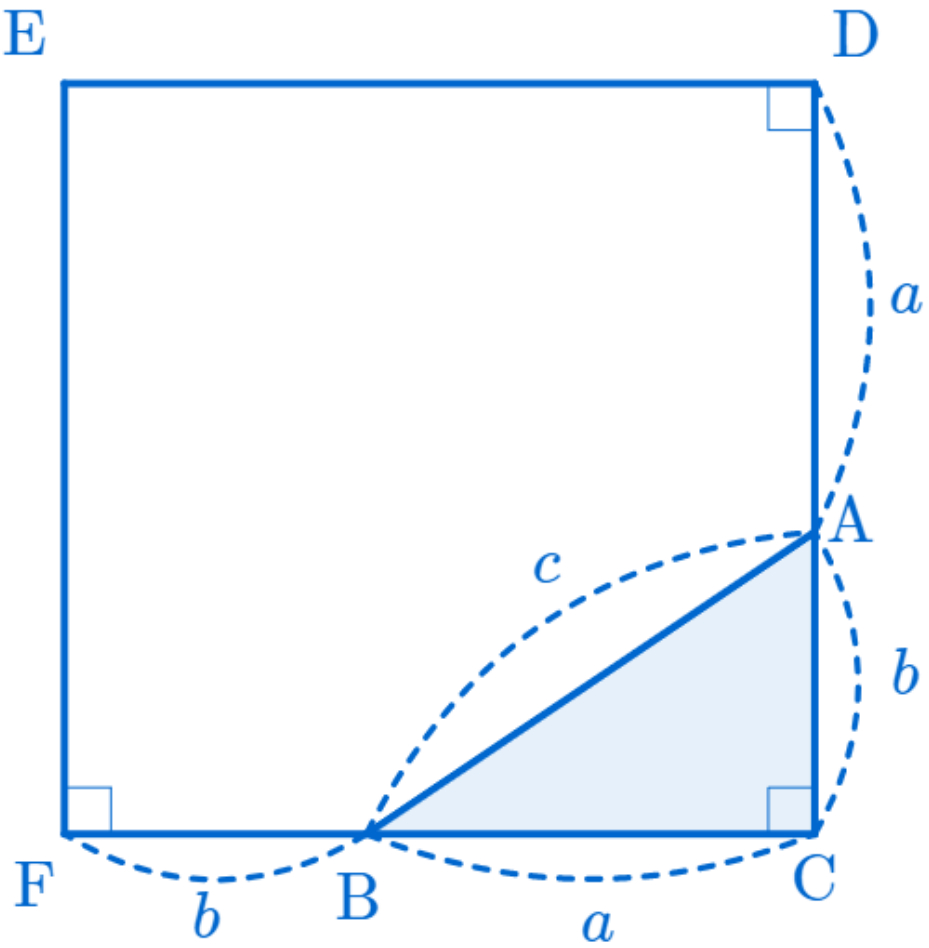
a
A
c
b
F
b
B
a
C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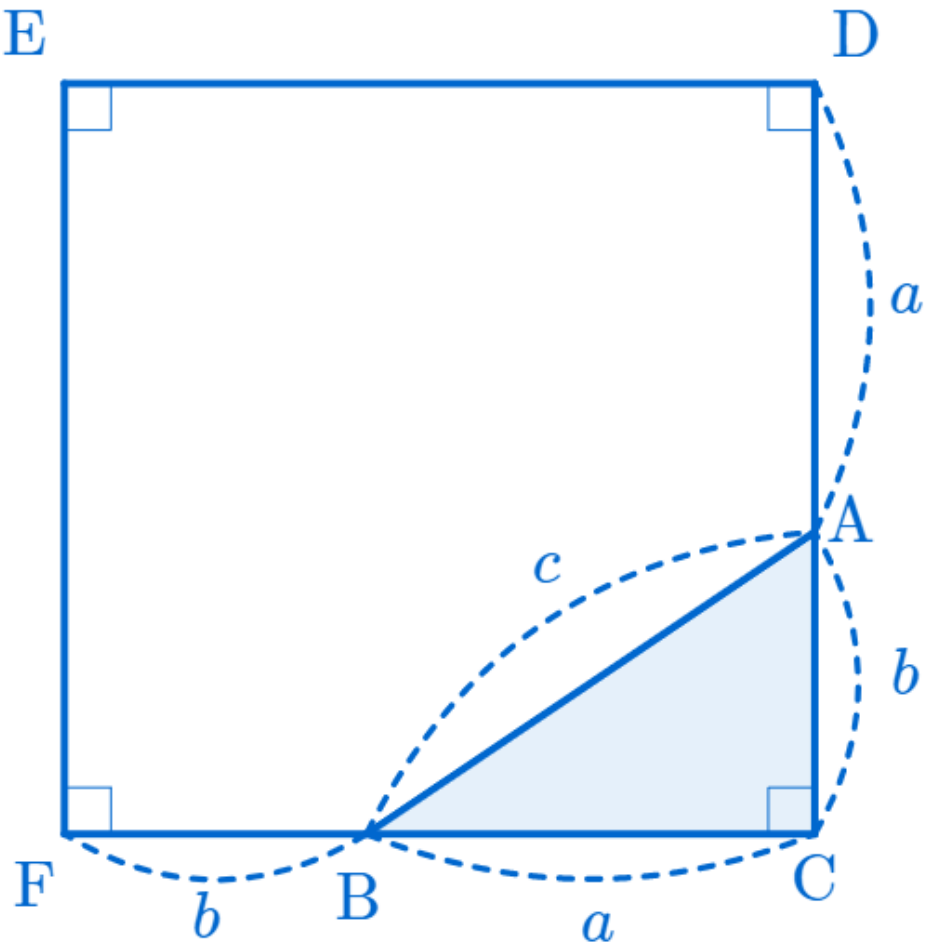
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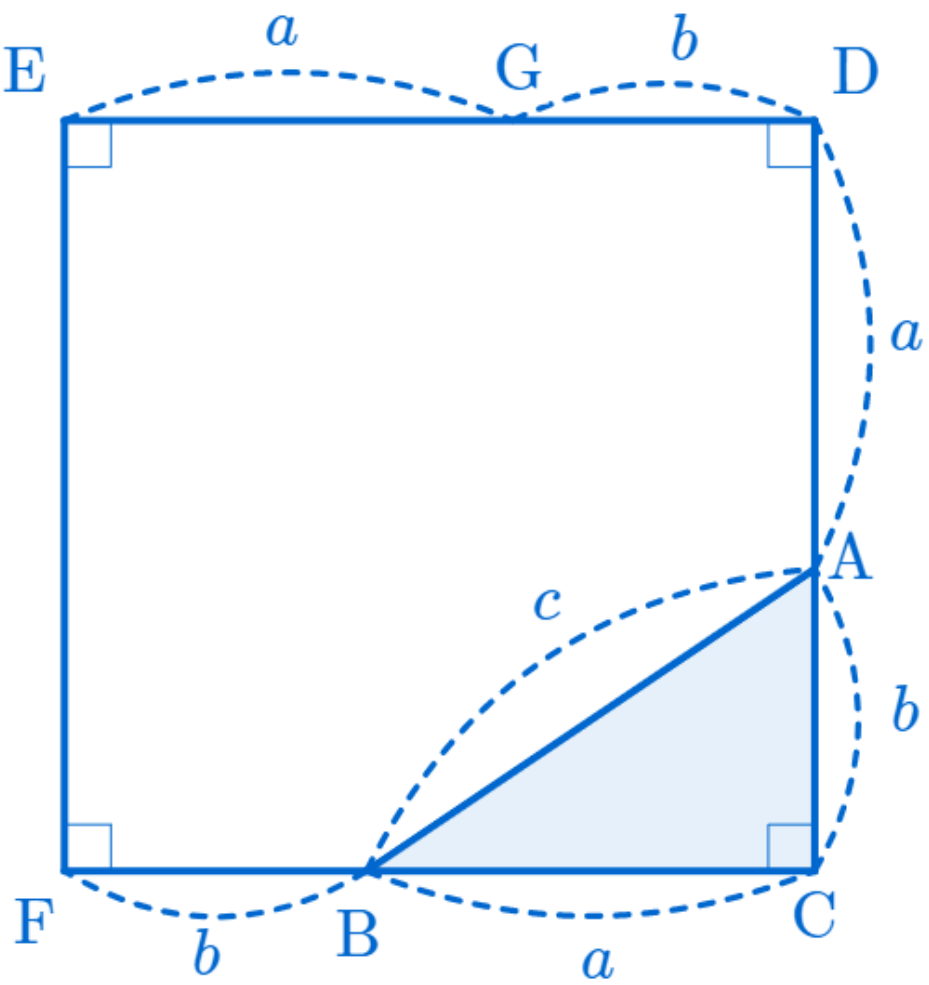
a
C


E
a
G
b
D
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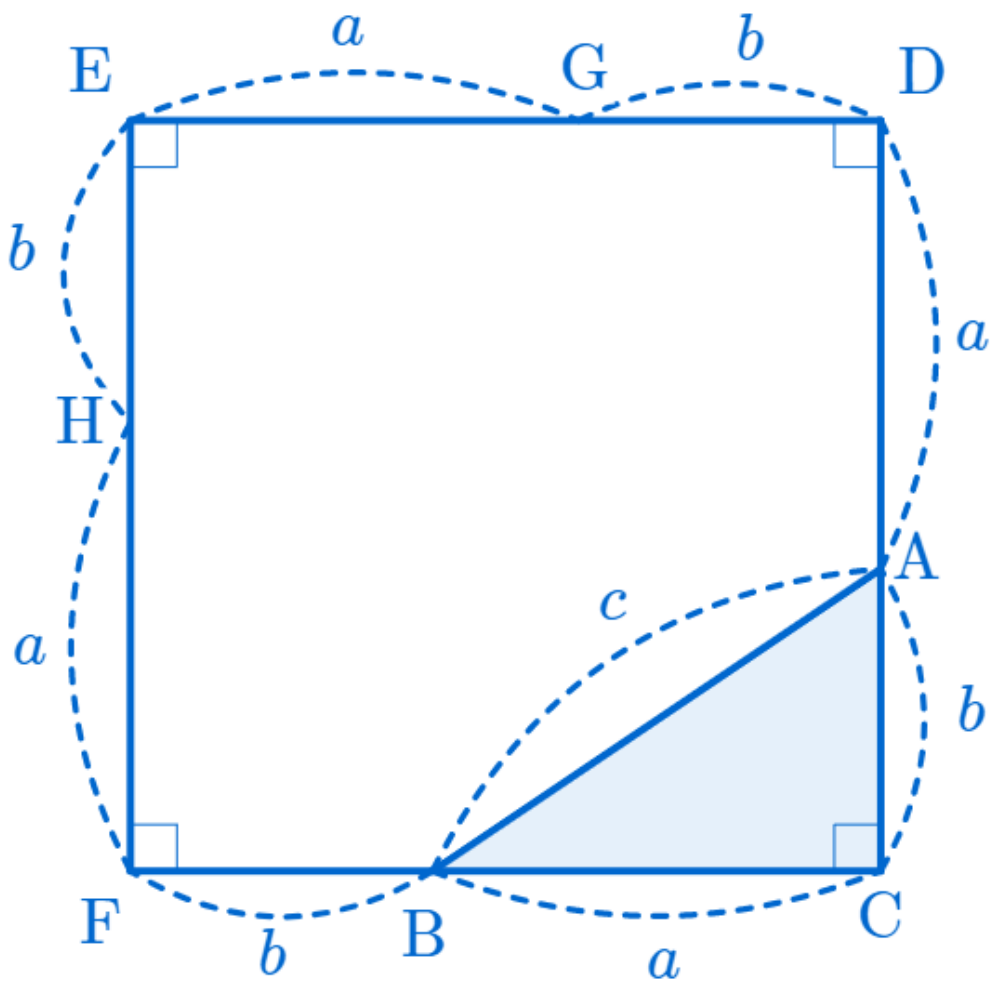
A
c
b
F
b
B
a
C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c
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b
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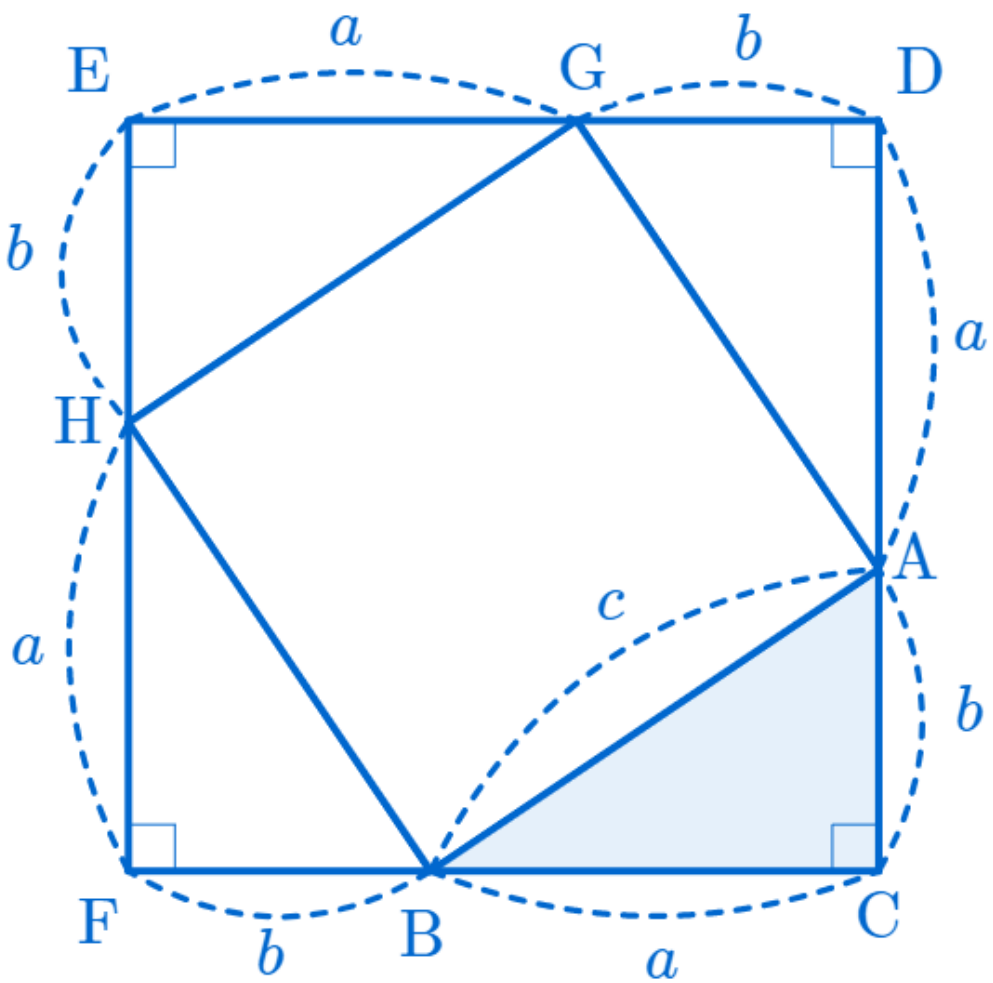
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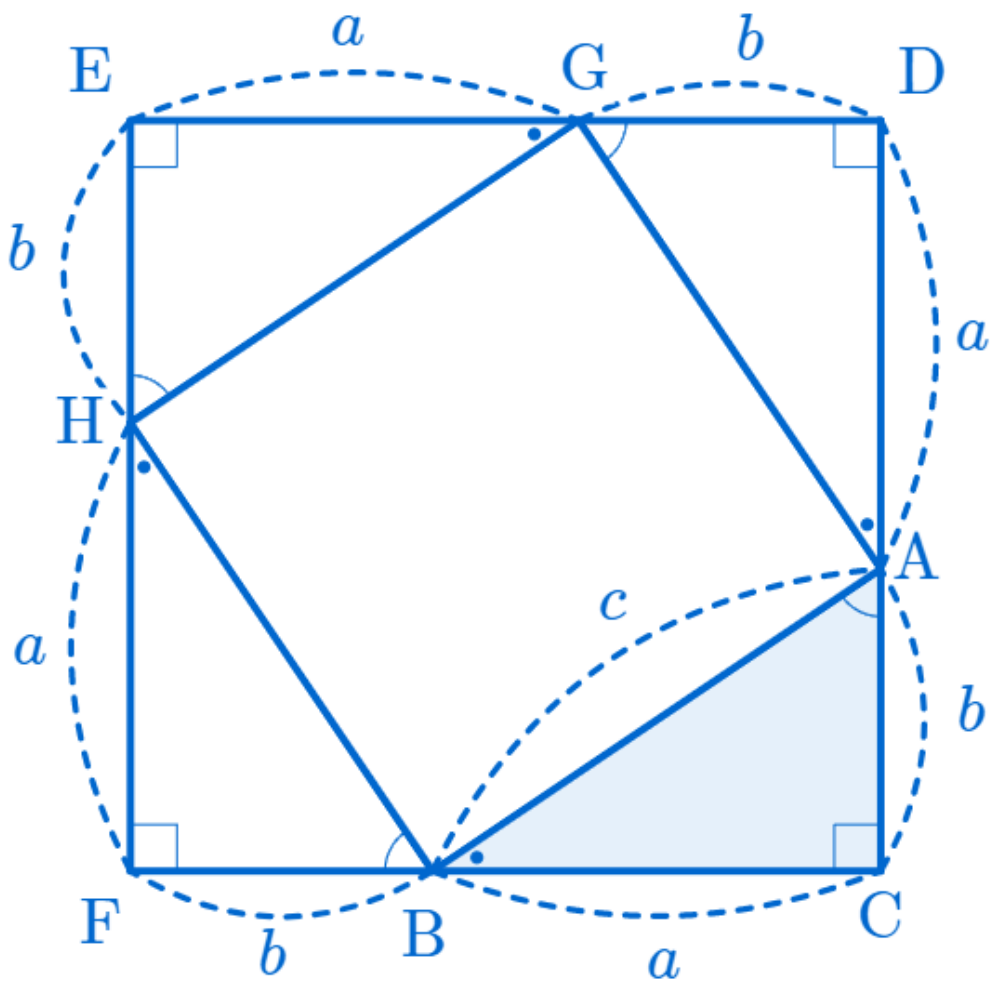
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b
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c
a
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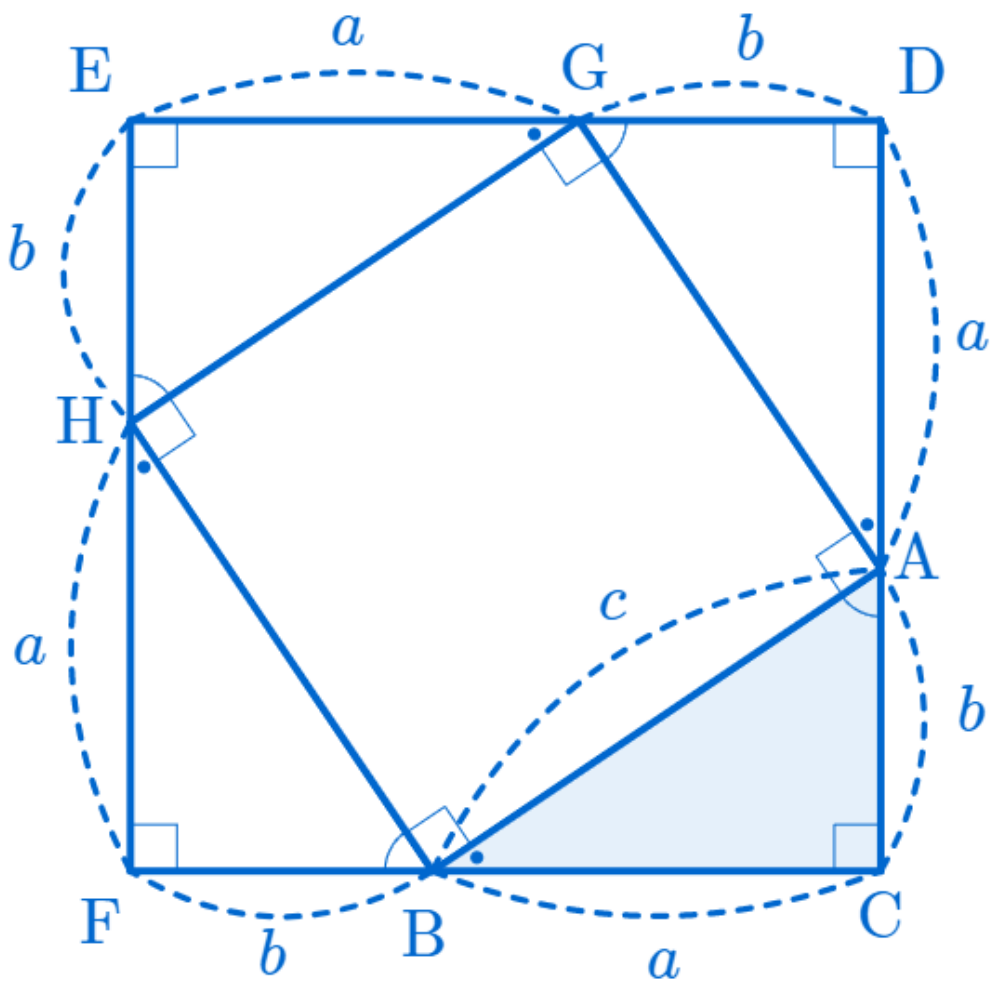
a


E
G
D
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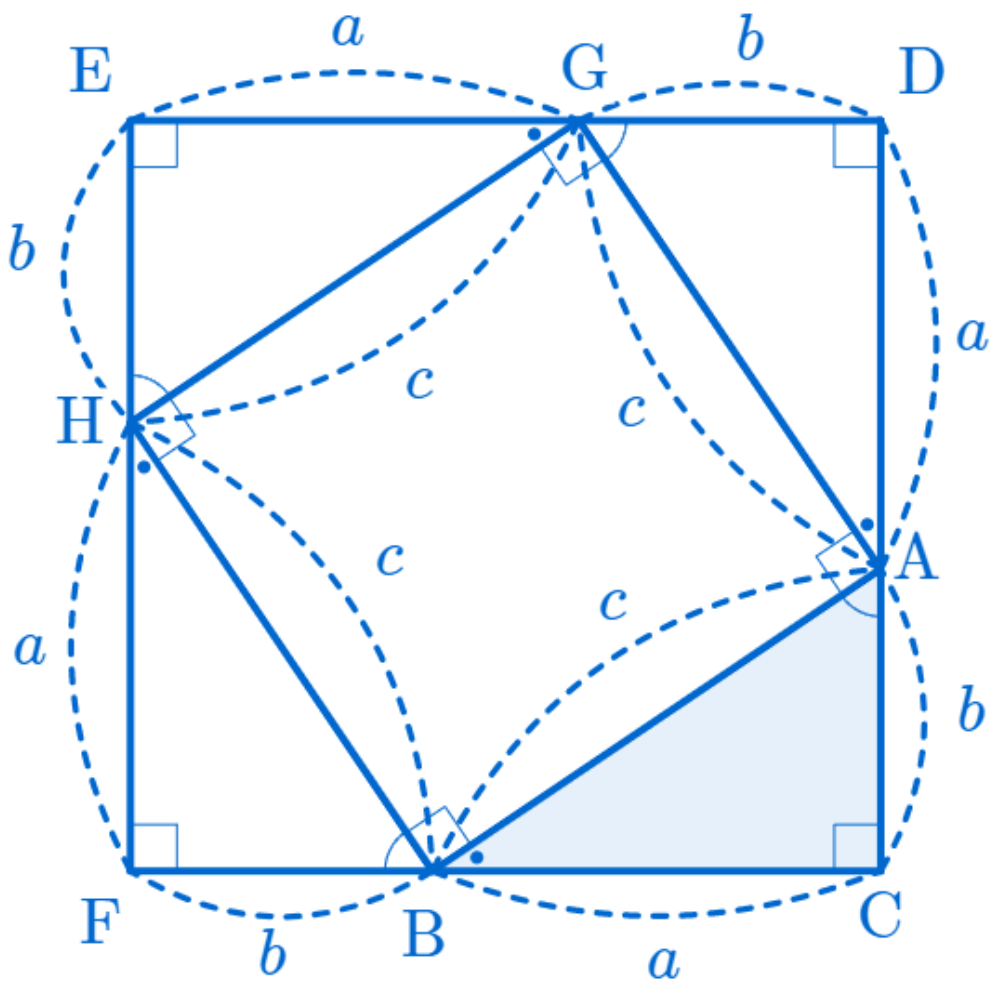
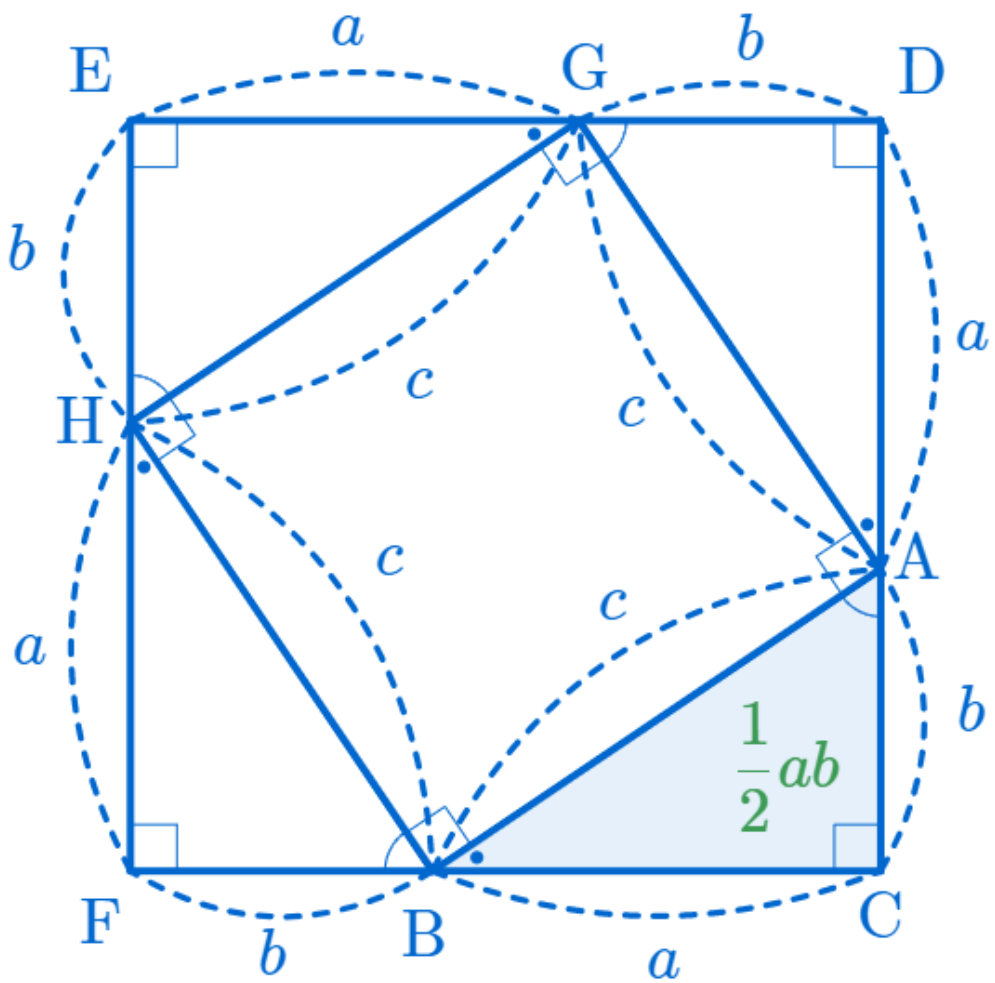
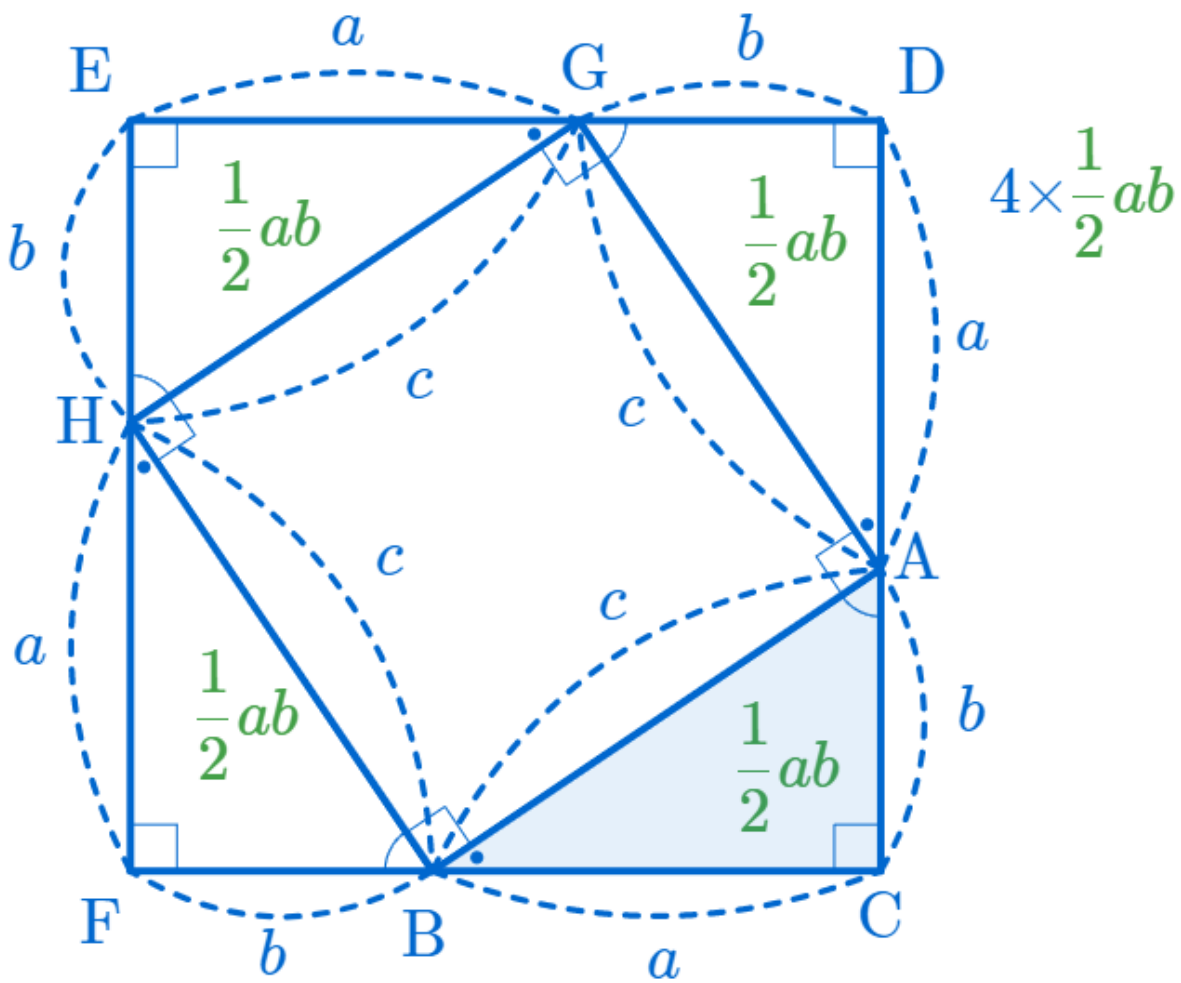
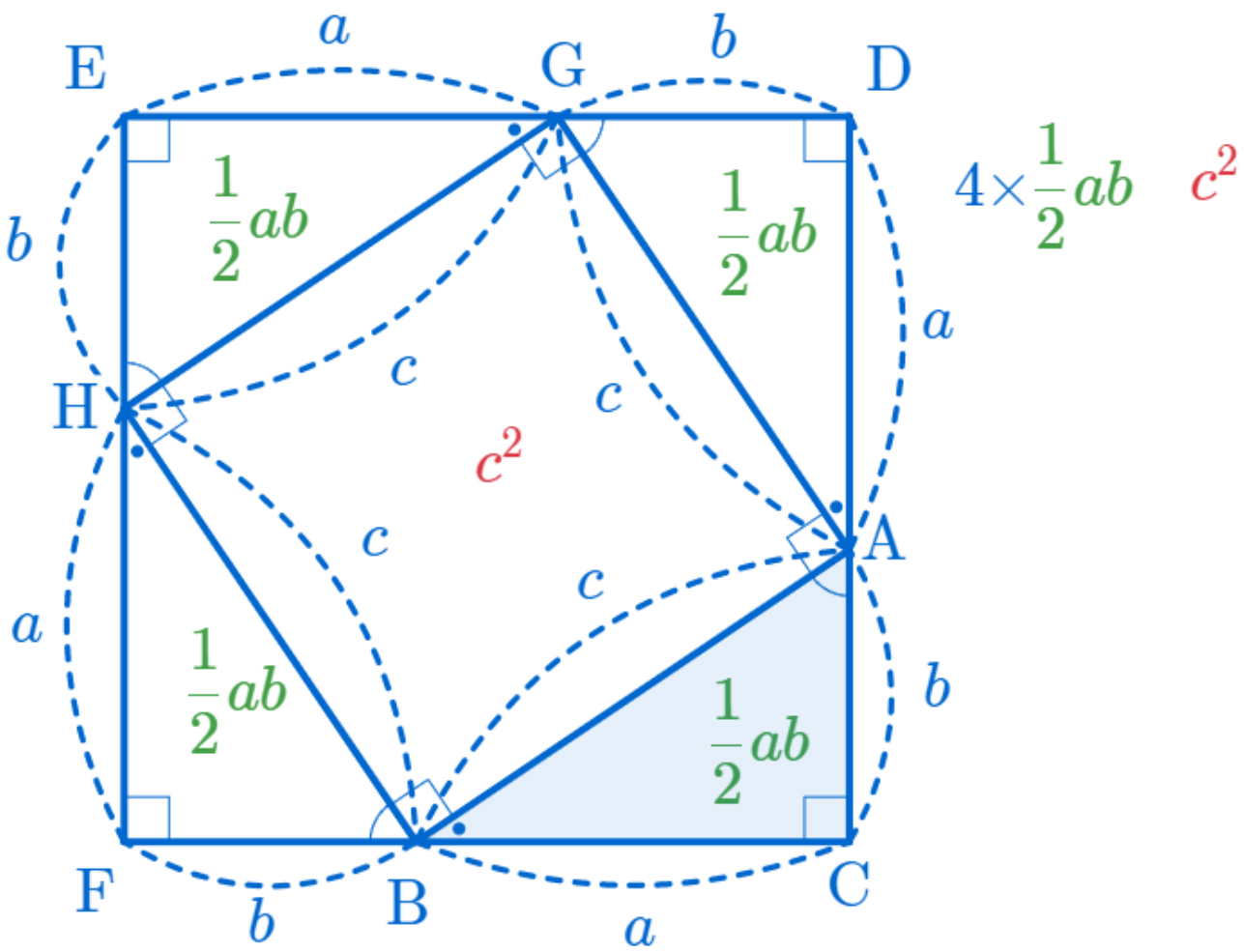
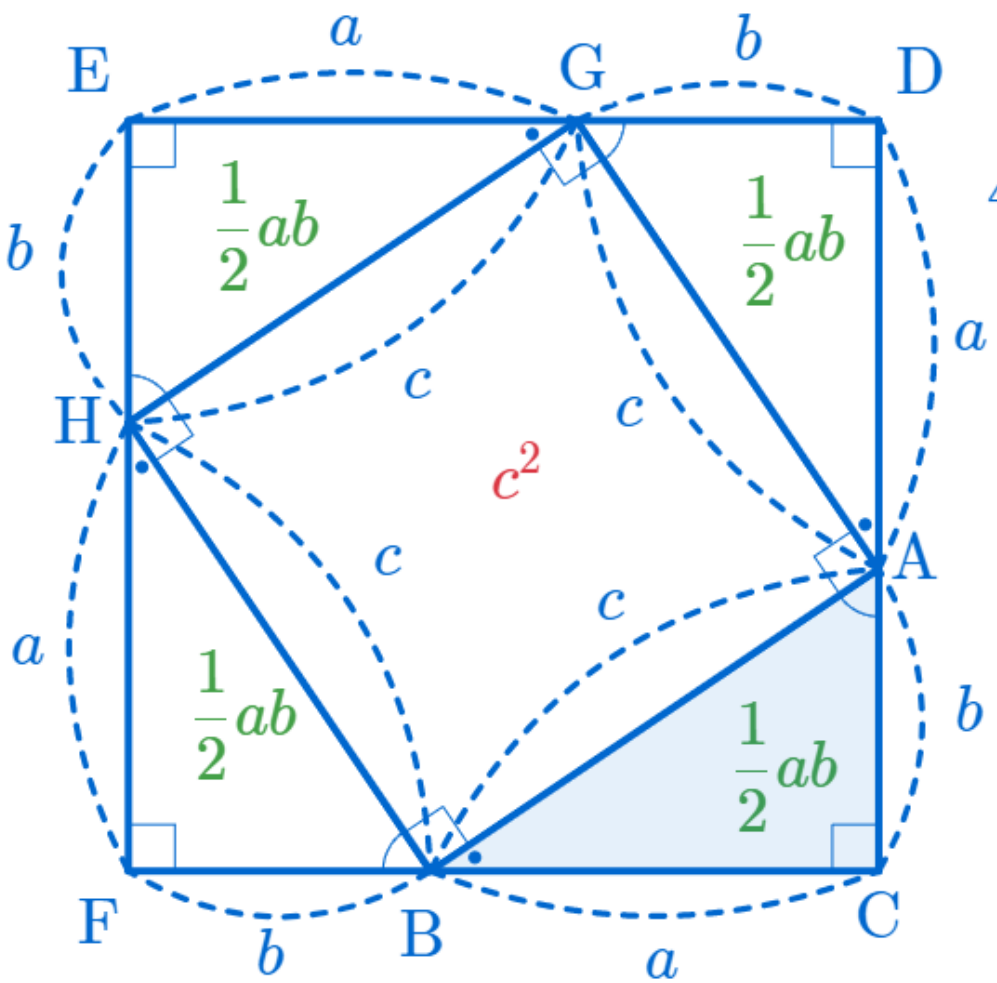
b
b
a
c
a
b
b
a


E
G
D
H
A
F
B
C
a
b
c

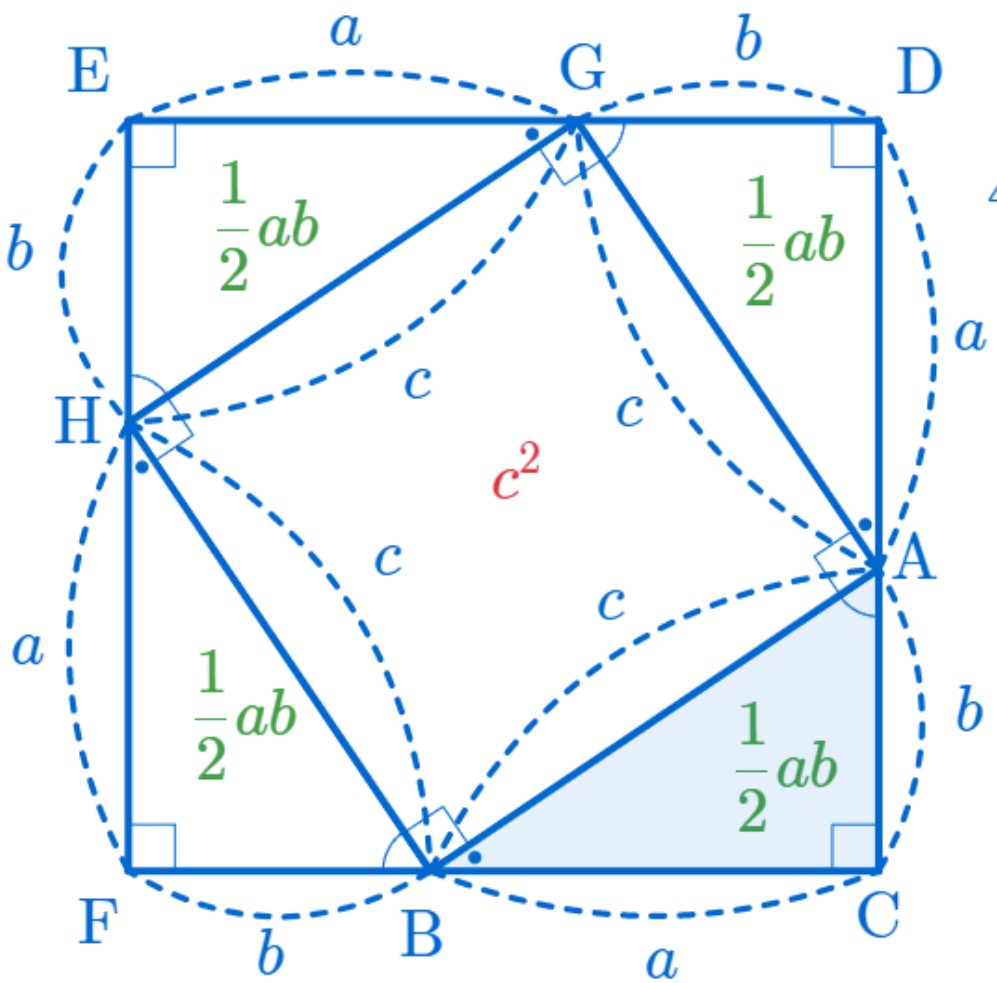

E
G
D
H
A
F
B
C
a
b
c
$\frac{1}{2}ab$


E
G
D
H
A
F
B
C
a
b
c
$\frac{1}{2}ab$
$4\times\frac{1}{2}ab$

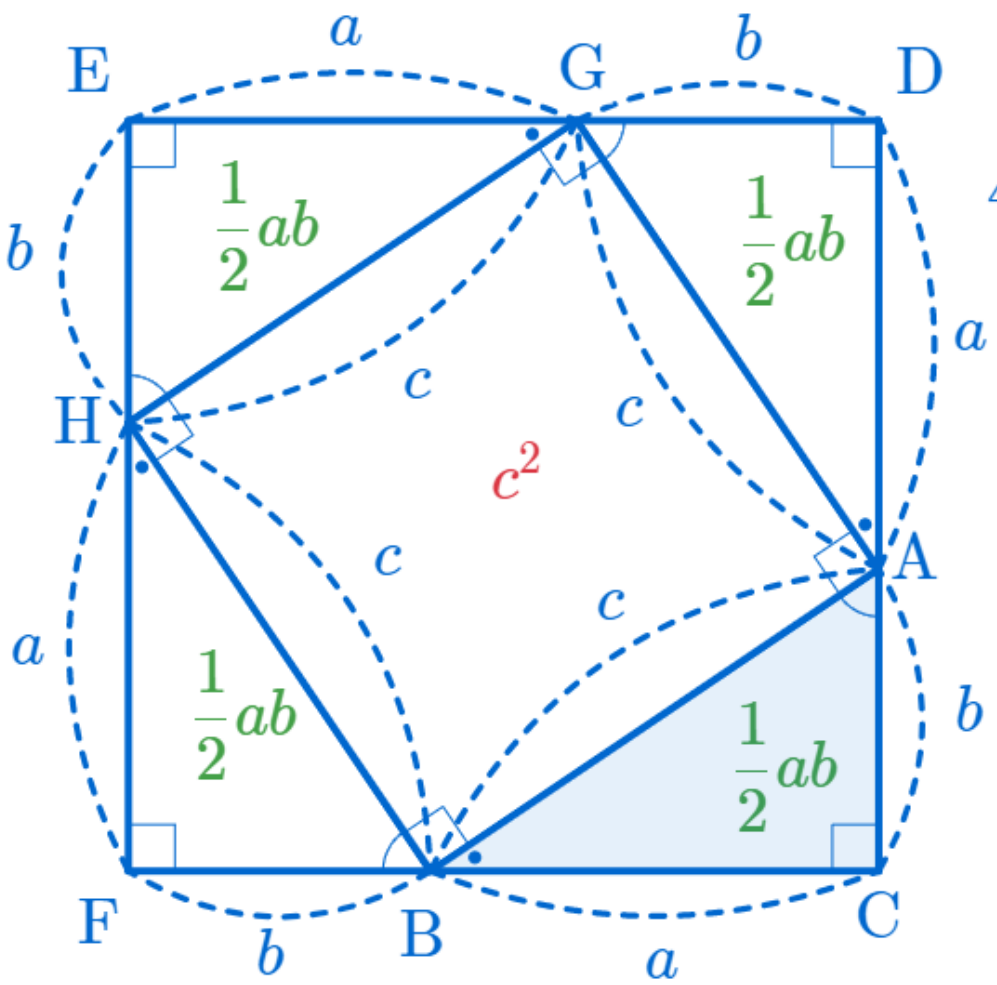

E
G
D
H
A
F
B
C
a
b
c
$\frac{1}{2}ab$
c^2
$4\times\frac{1}{2}ab$
c^2



$$4\times\frac{1}{2}ab+c^2=$$

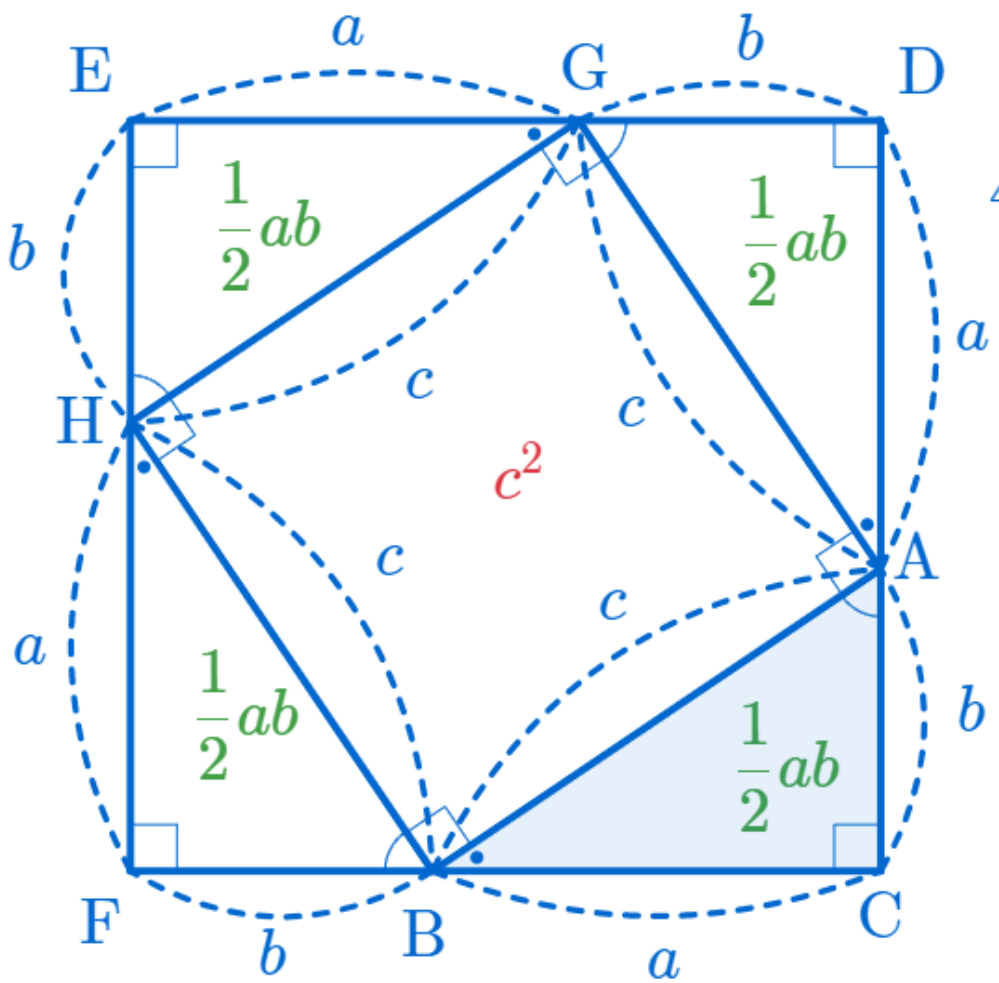


$$4\times\frac{1}{2}ab+c^2=(a+b)^2$$



$$4\times\frac{1}{2}ab+c^2=(a+b)^2$$

$$2ab+c^2=a^2+2ab+b^2$$



$$4\times\frac{1}{2}ab+c^2=(a+b)^2$$

$$2ab+c^2=a^2+2ab+b^2$$

$$\therefore c^2=a^2+b^2$$

github:
https://min7014.github.io/math20200113001.html

Click or paste URL into the URL search bar, and you can see a picture moving.