LOCI of a POINT (slider)

Grade 12

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Free State Province

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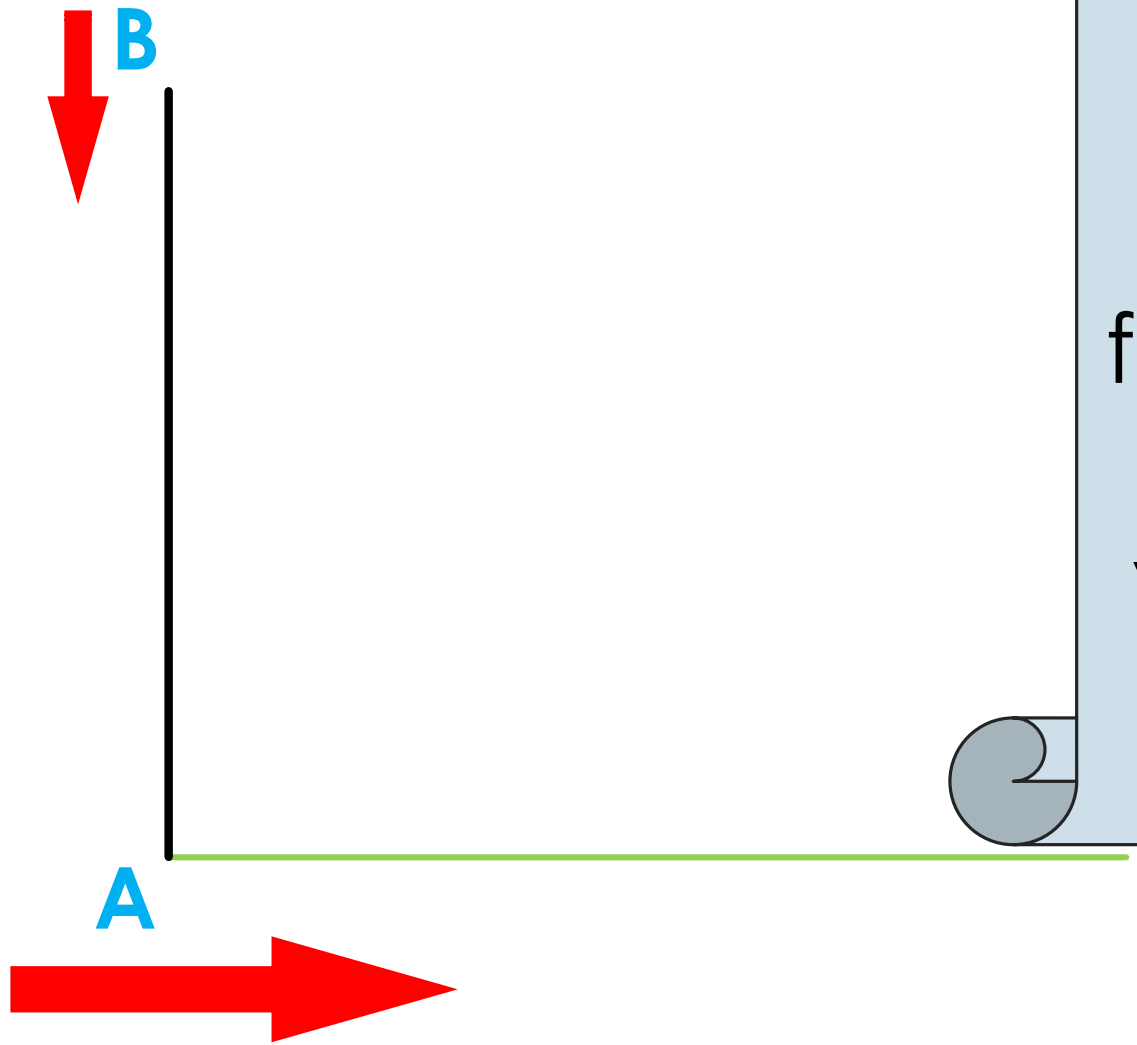
Loci of a POINT

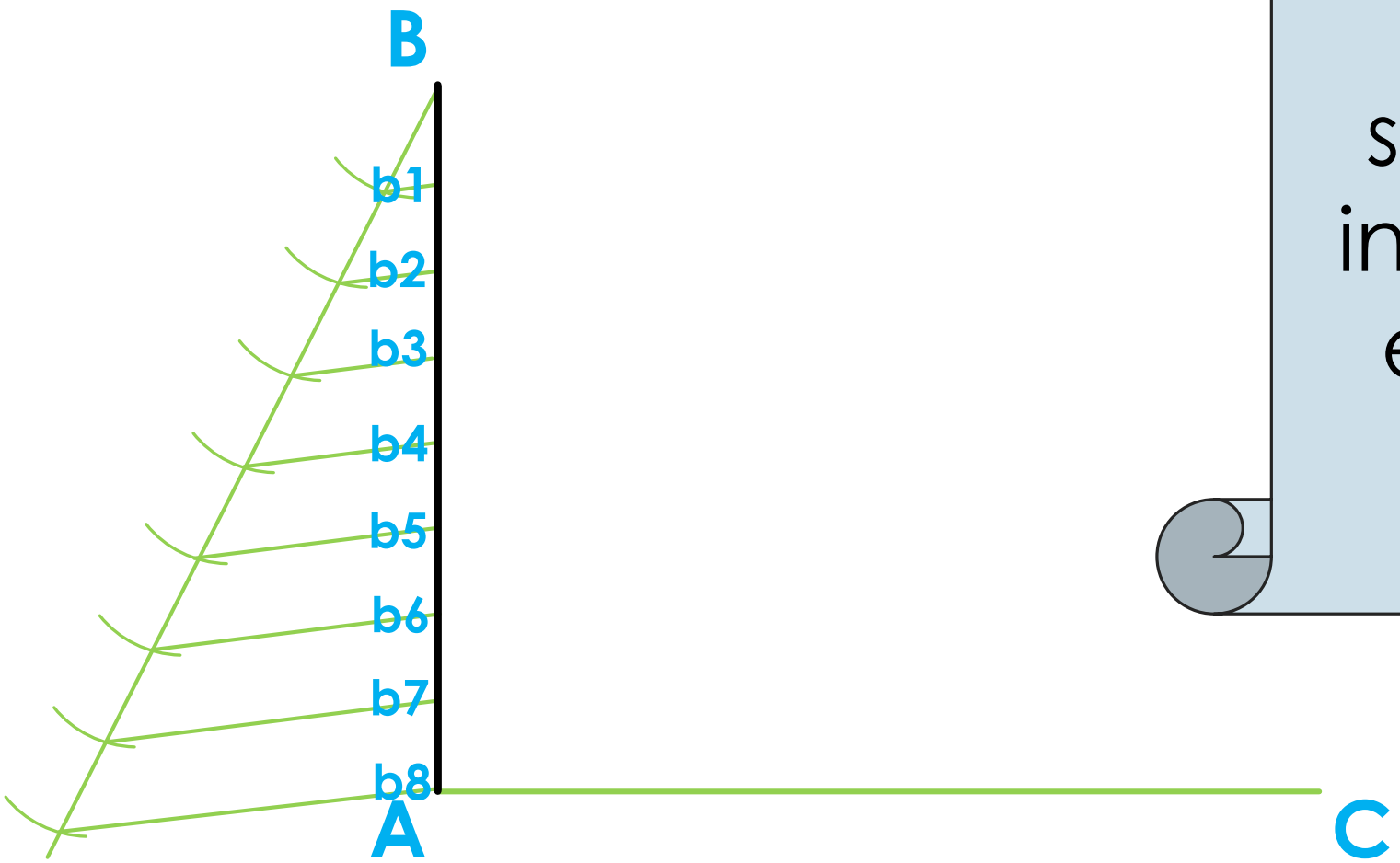
- With a loci of a point one should always:
  - work with the true length of a line
  - work systematically
  - In the case of a circle, divide the circle into 12 equal parts

Loci of a POINT



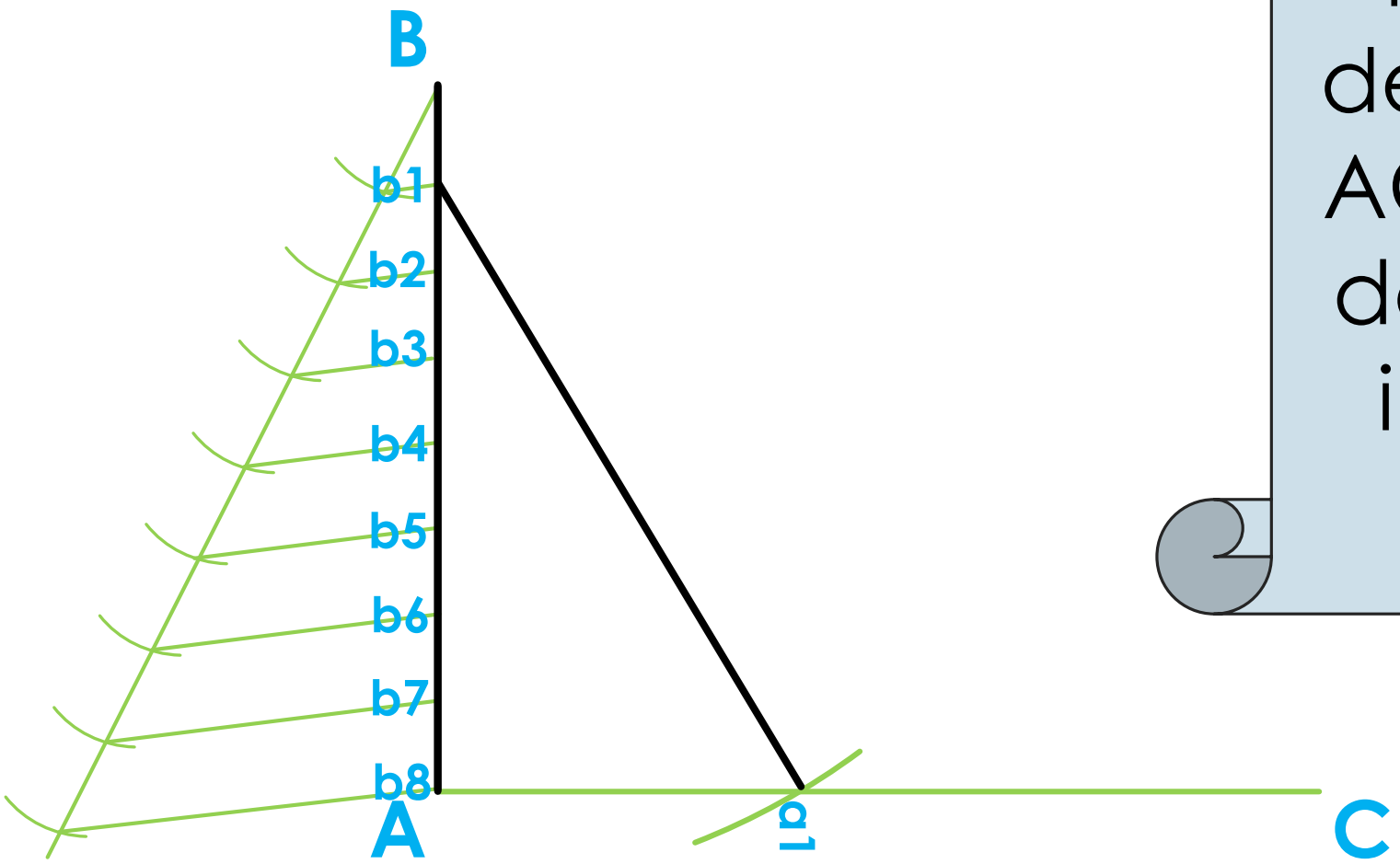
Presume line AB is a ladder **sliding** horizontally from **A towards C** and vertically from **B towards A**

Loci of a POINT



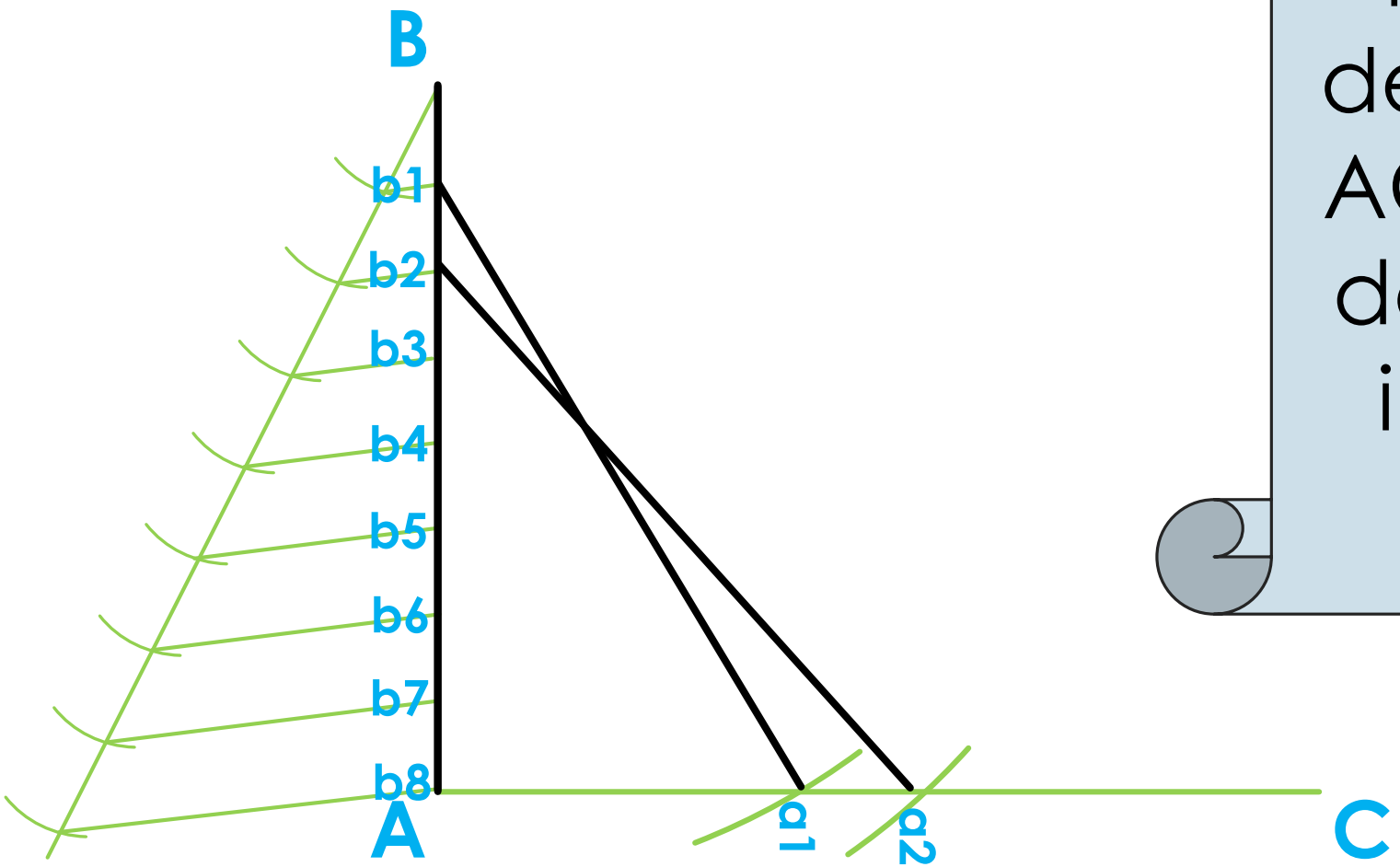
Divide line segment AB into at least 8 equal parts

Loci of a POINT



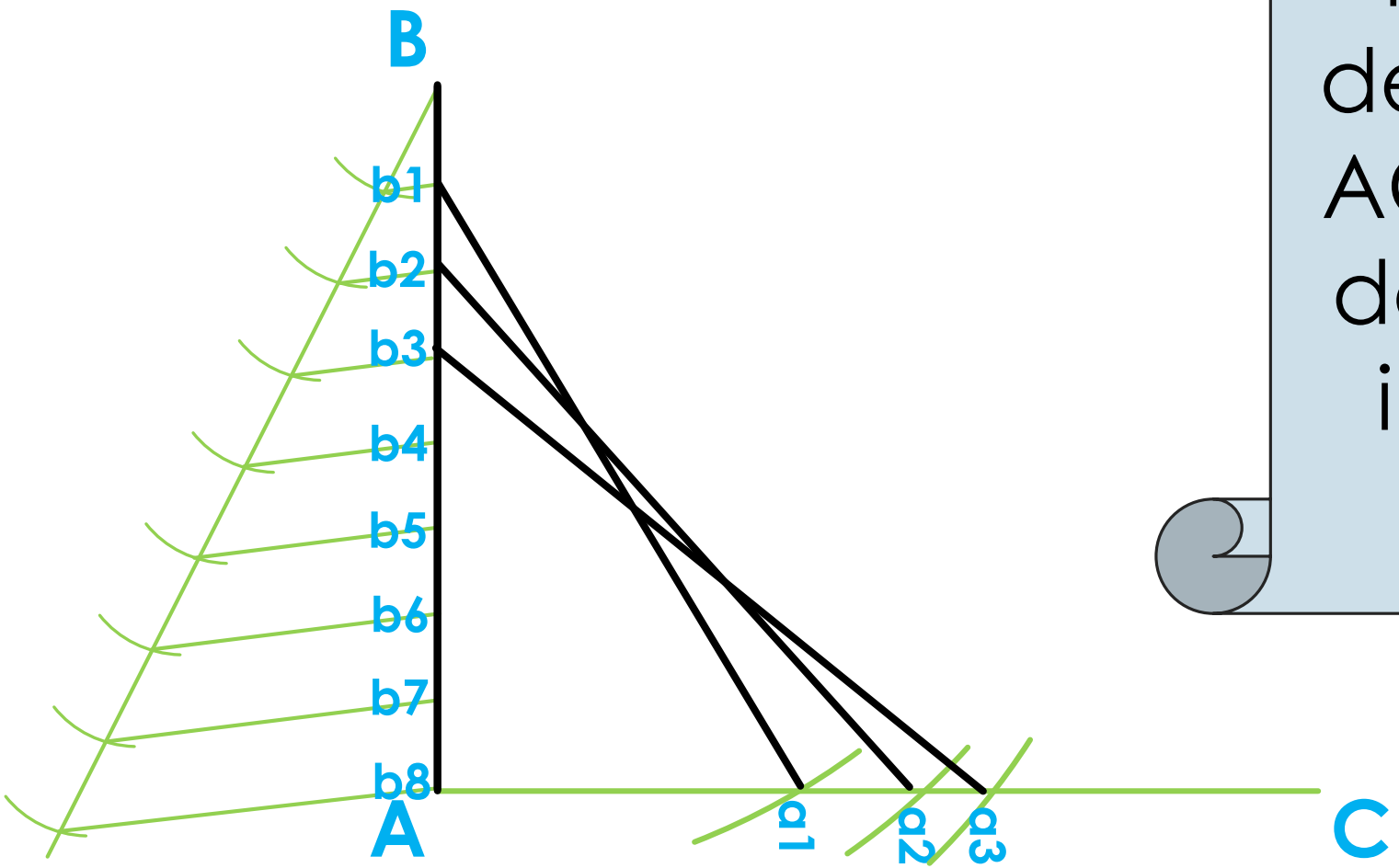
With AB as the true length, determine b1-AC from b1 to determine an intersection point a1

Loci of a POINT



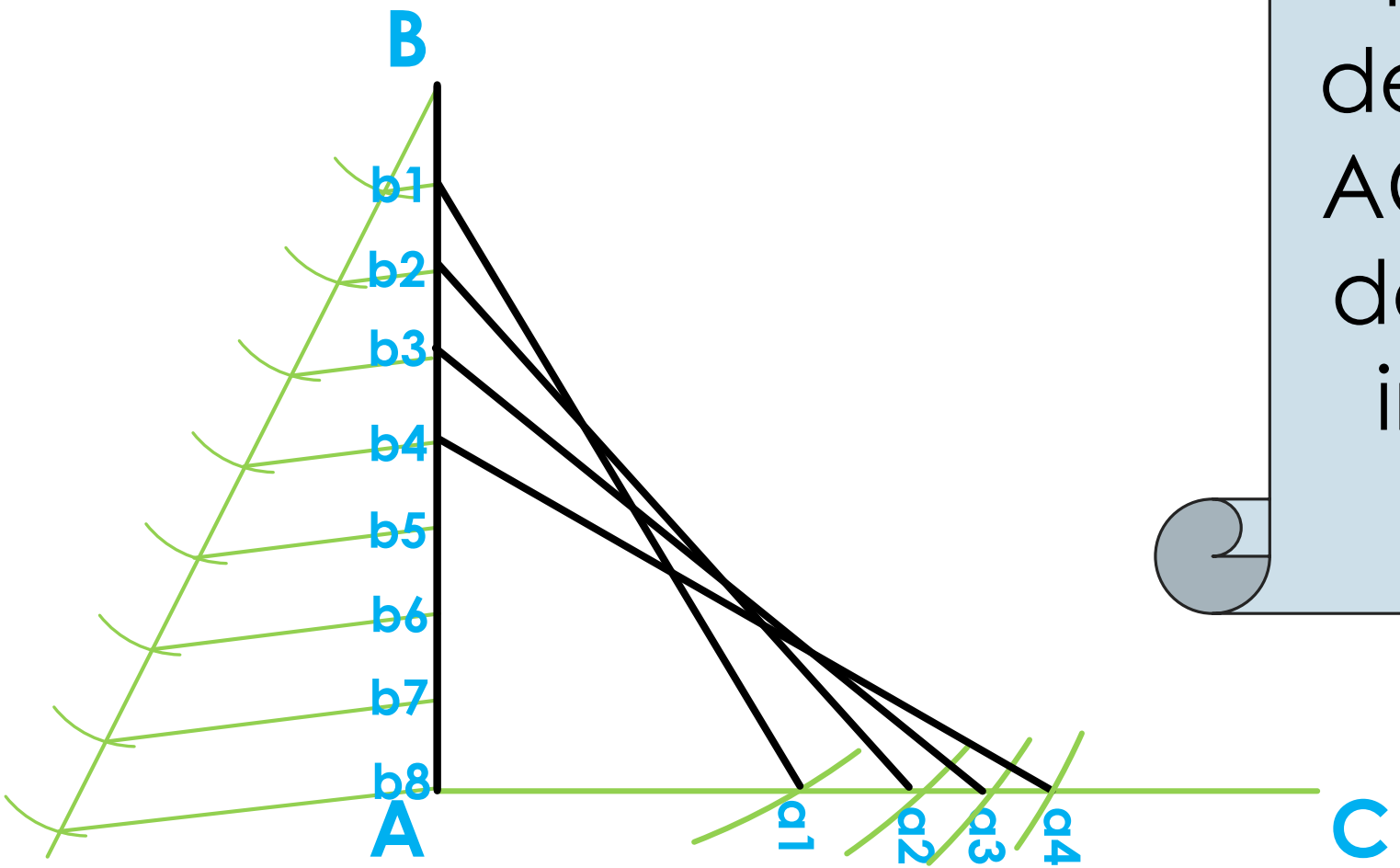
With AB as the true length, determine b2-AC from b2 to determine an intersection point a2

Loci of a POINT



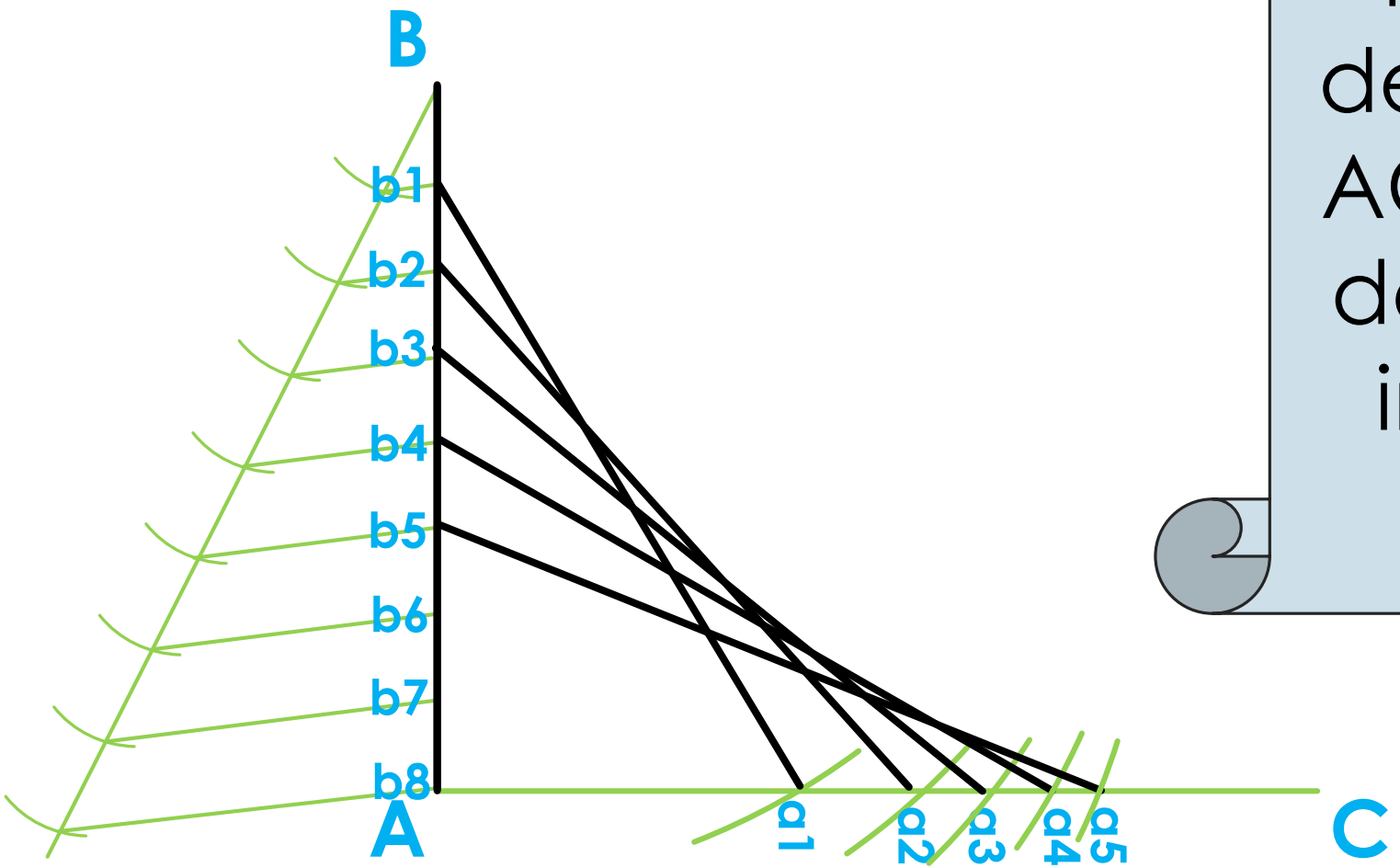
With AB as the true length, determine b3-AC from b3 to determine an intersection point a3

Loci of a POINT



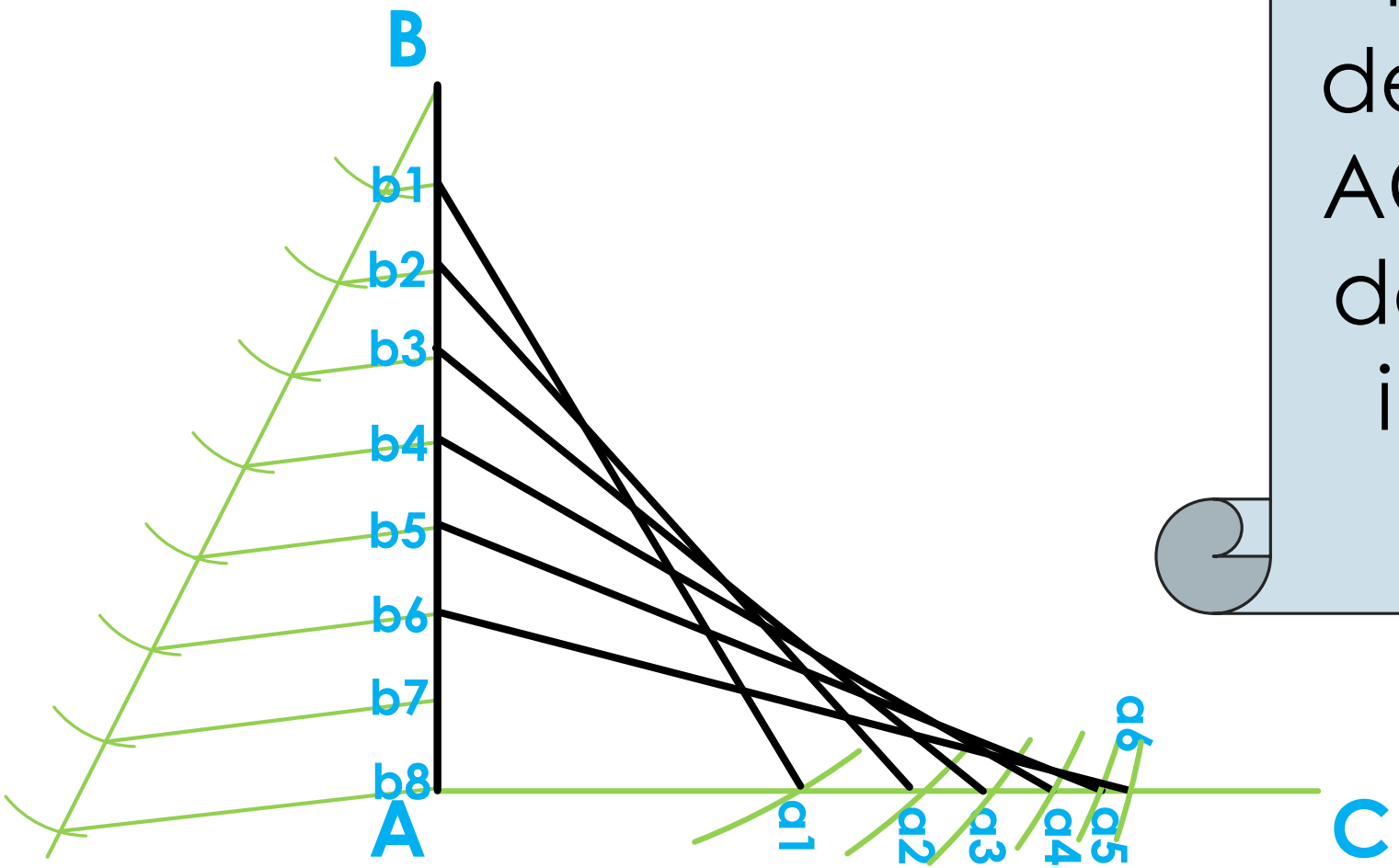
With AB as the true length, determine b4-AC from b4 to determine an intersection point a4

Loci of a POINT



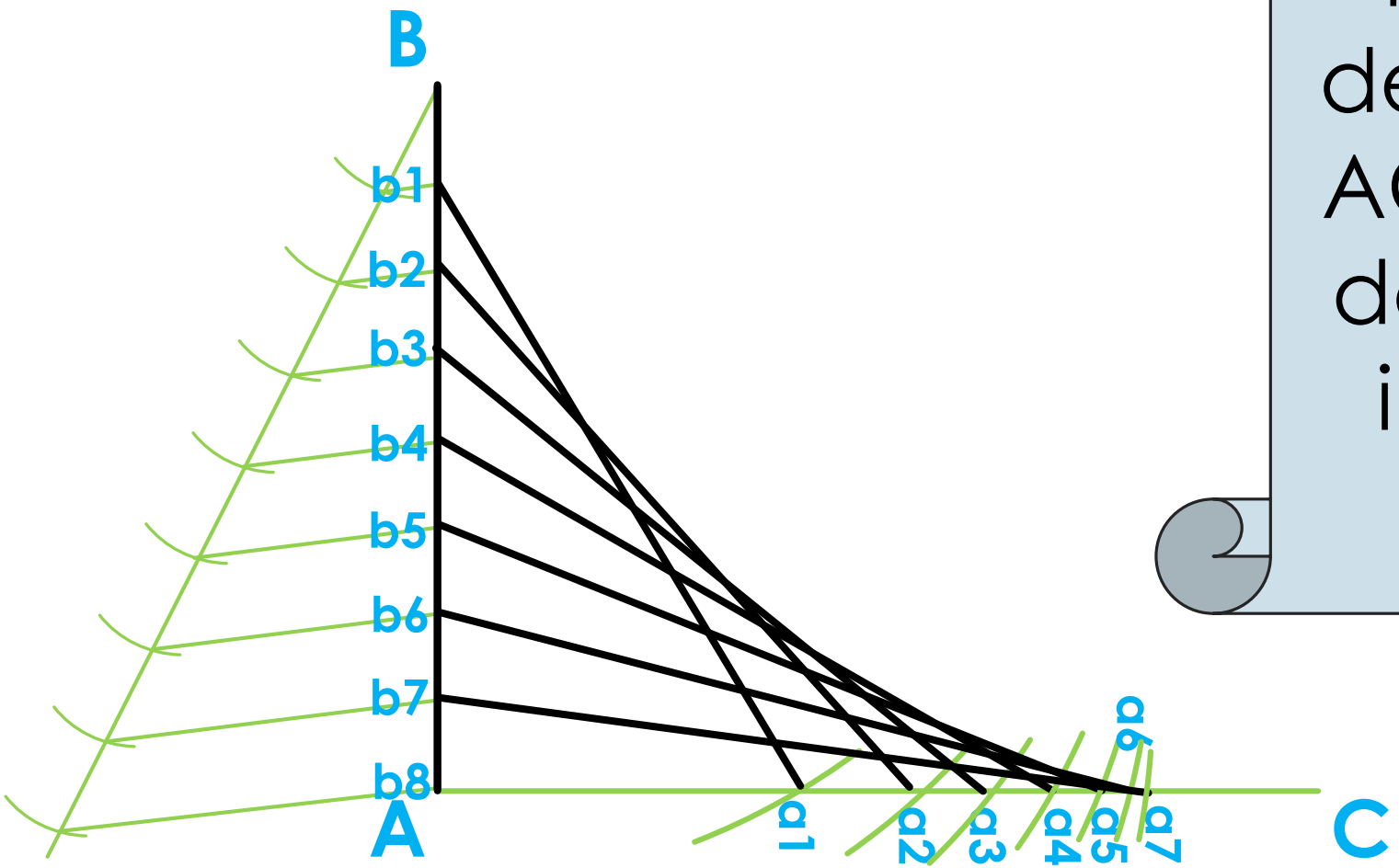
With AB as the true length, determine b5-AC from b5 to determine an intersection point a5

Loci of a POINT



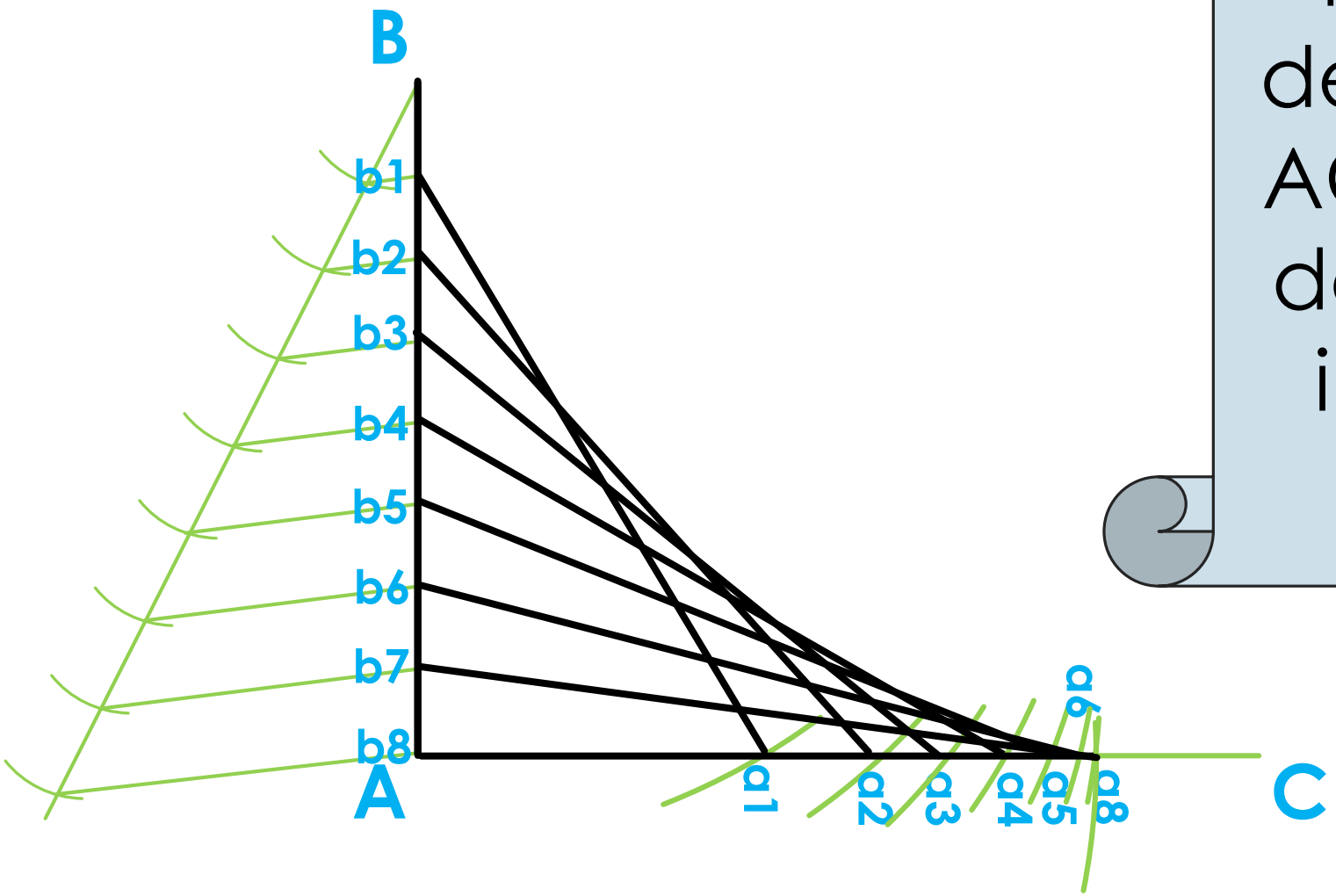
With AB as the true length, determine b6-AC from b6 to determine an intersection point a6

Loci of a POINT



With AB as the true length, determine b7-AC from b7 to determine an intersection point a7

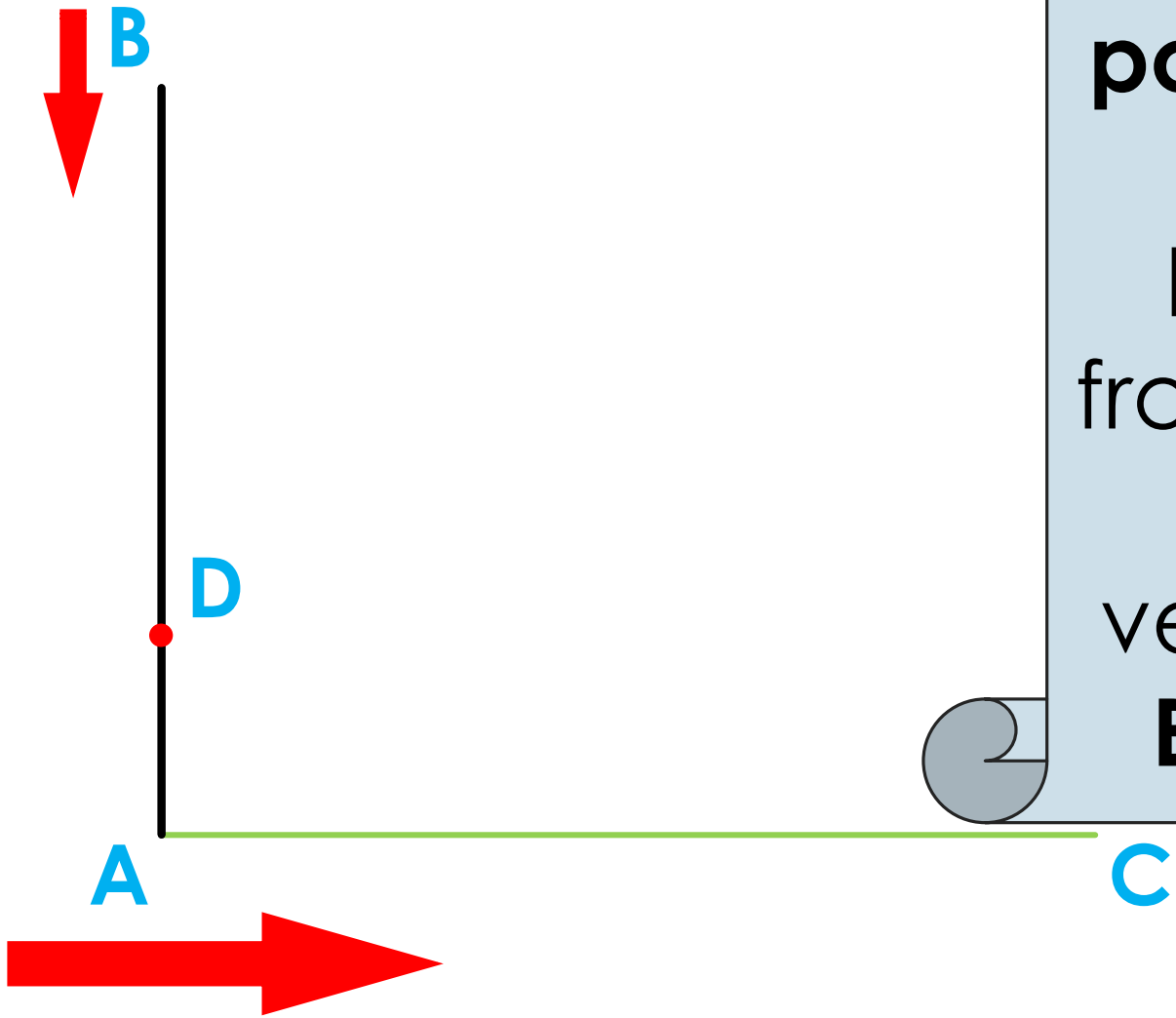
Loci of a POINT



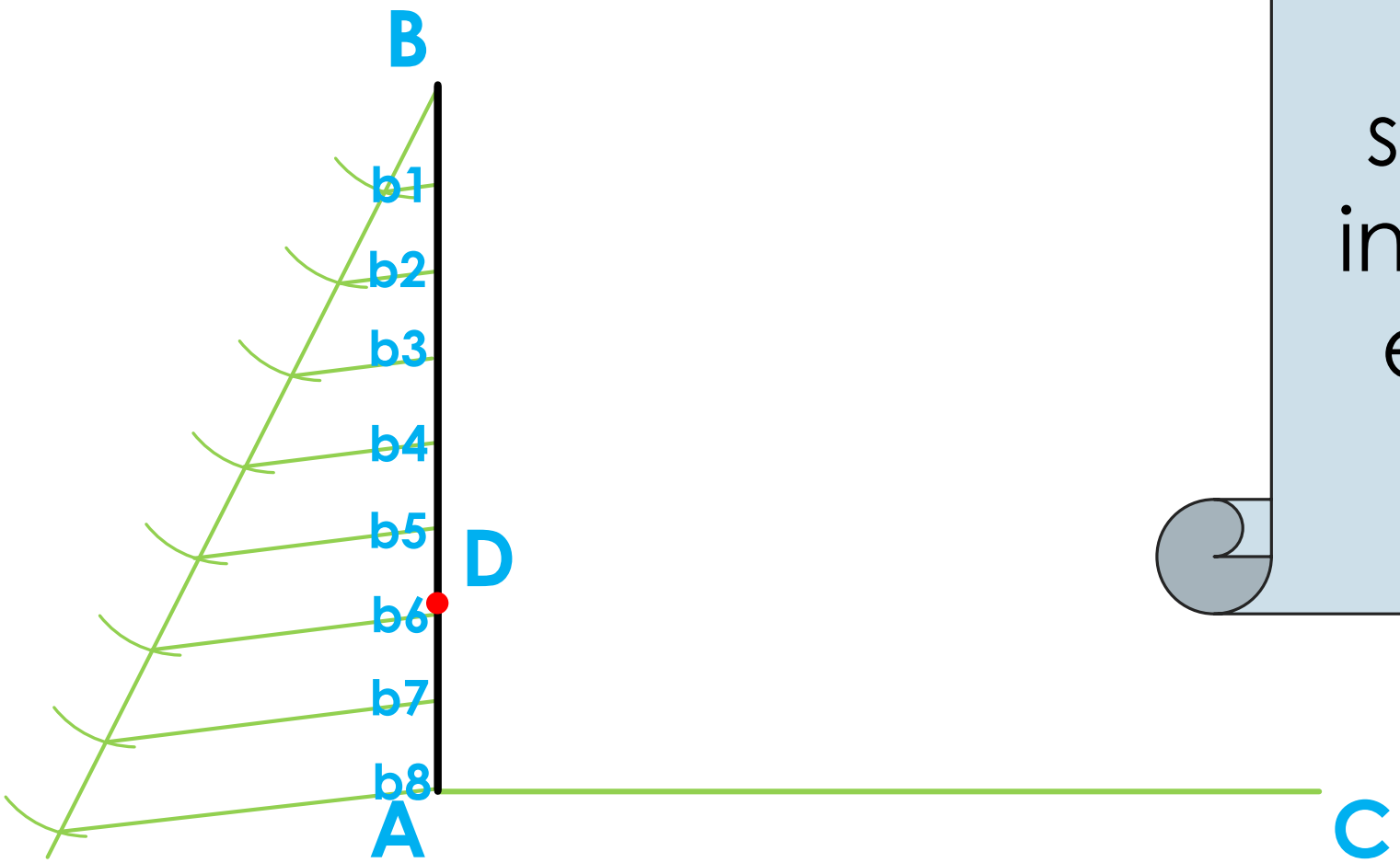
With AB as the true length, determine b8-AC from b8 to determine an intersection point a8

Loci of a POINT

Determine the **loci** of the **point at D** if AB **sliding** horizontally from **A towards C** and vertically from **B towards A**

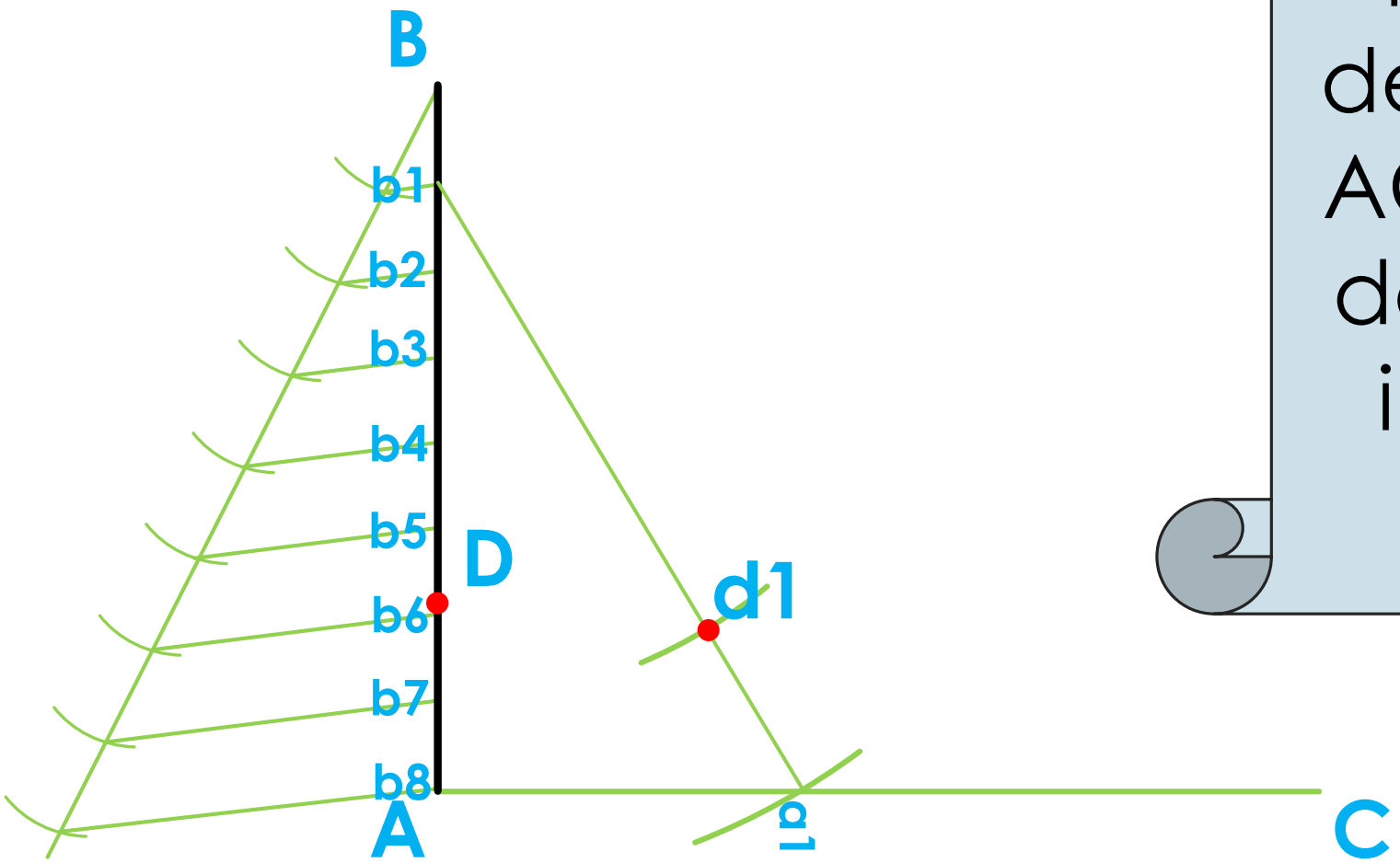


Loci of a POINT



Divide line segment AB into at least 8 equal parts

Loci of a POINT



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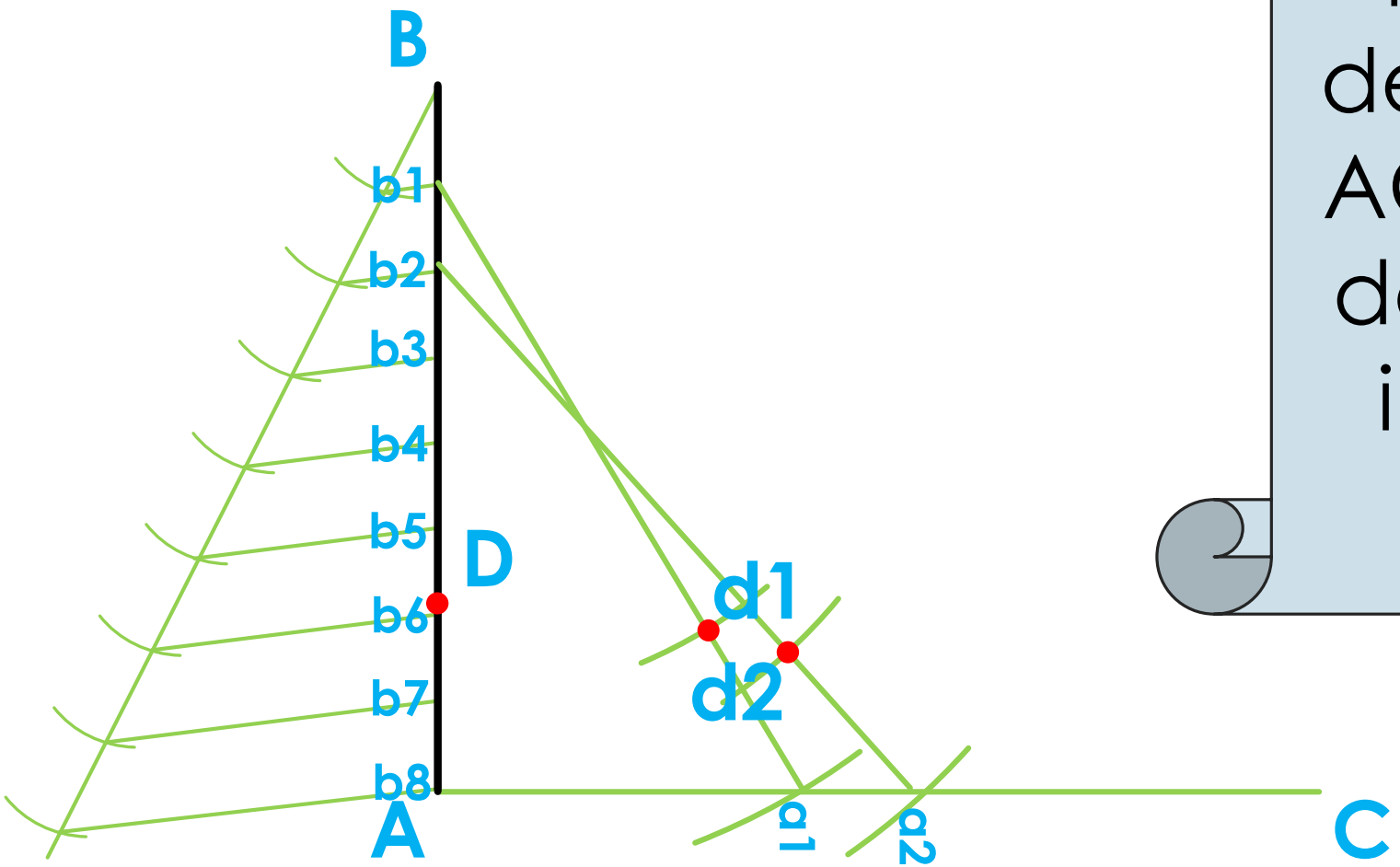

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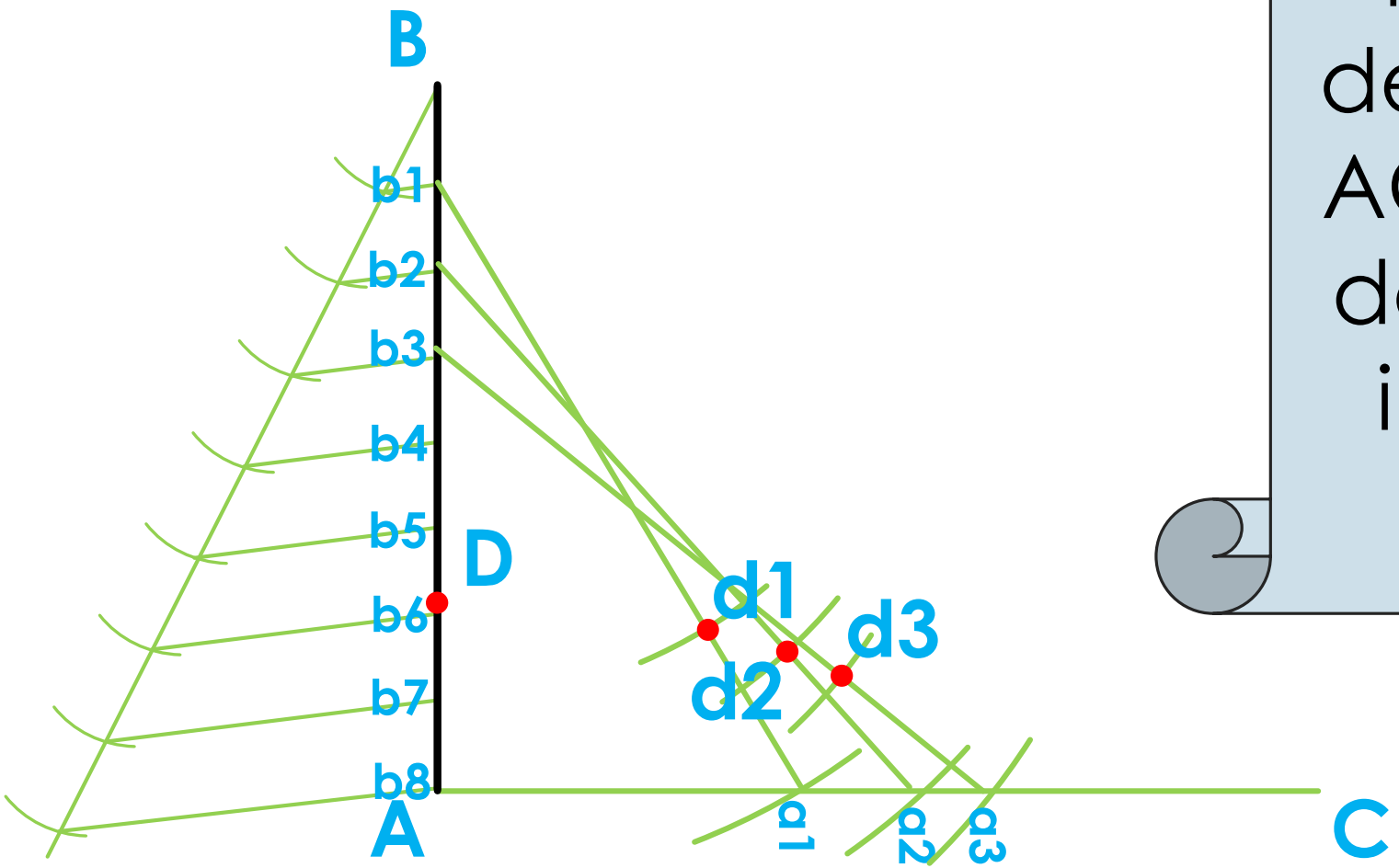

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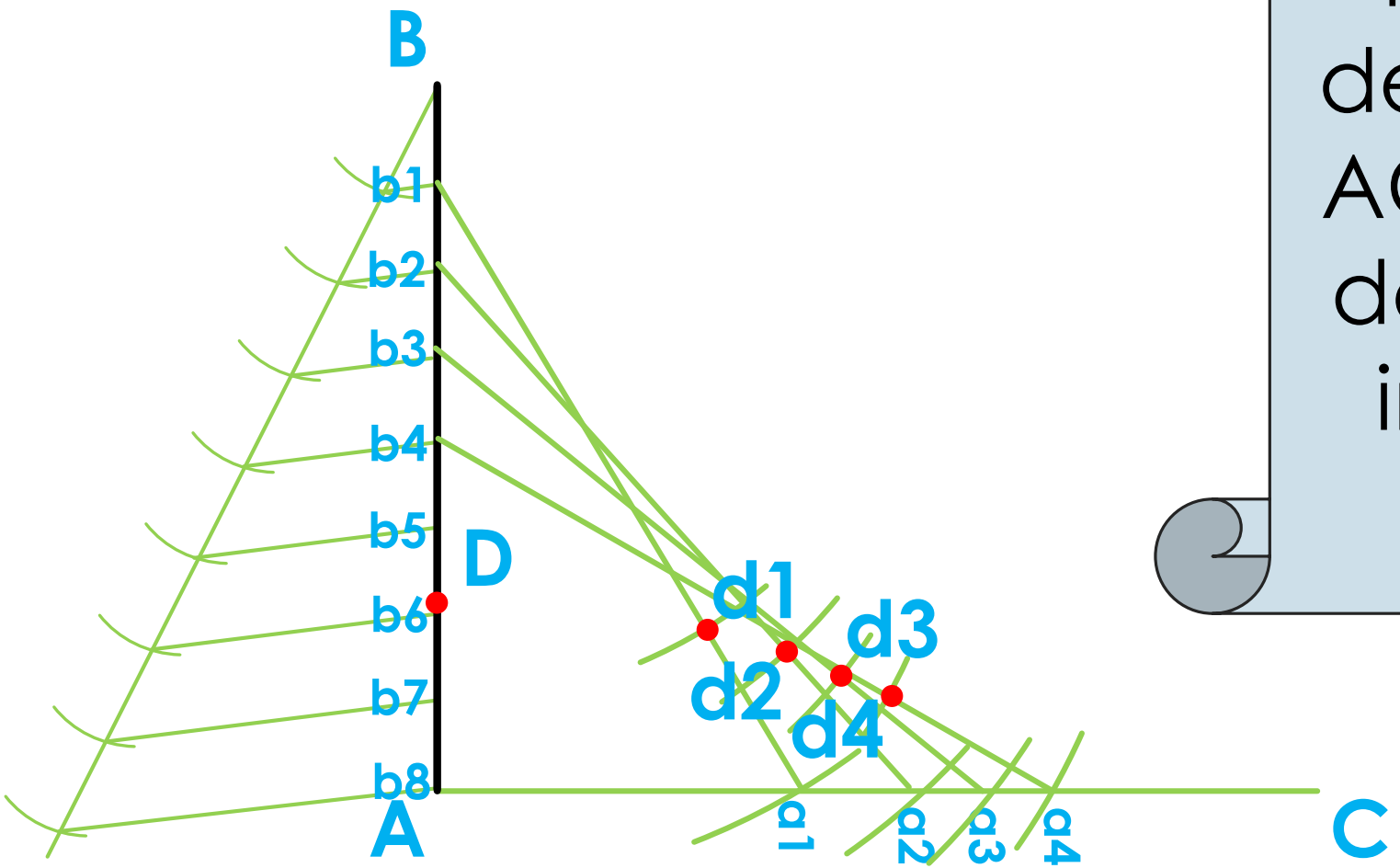

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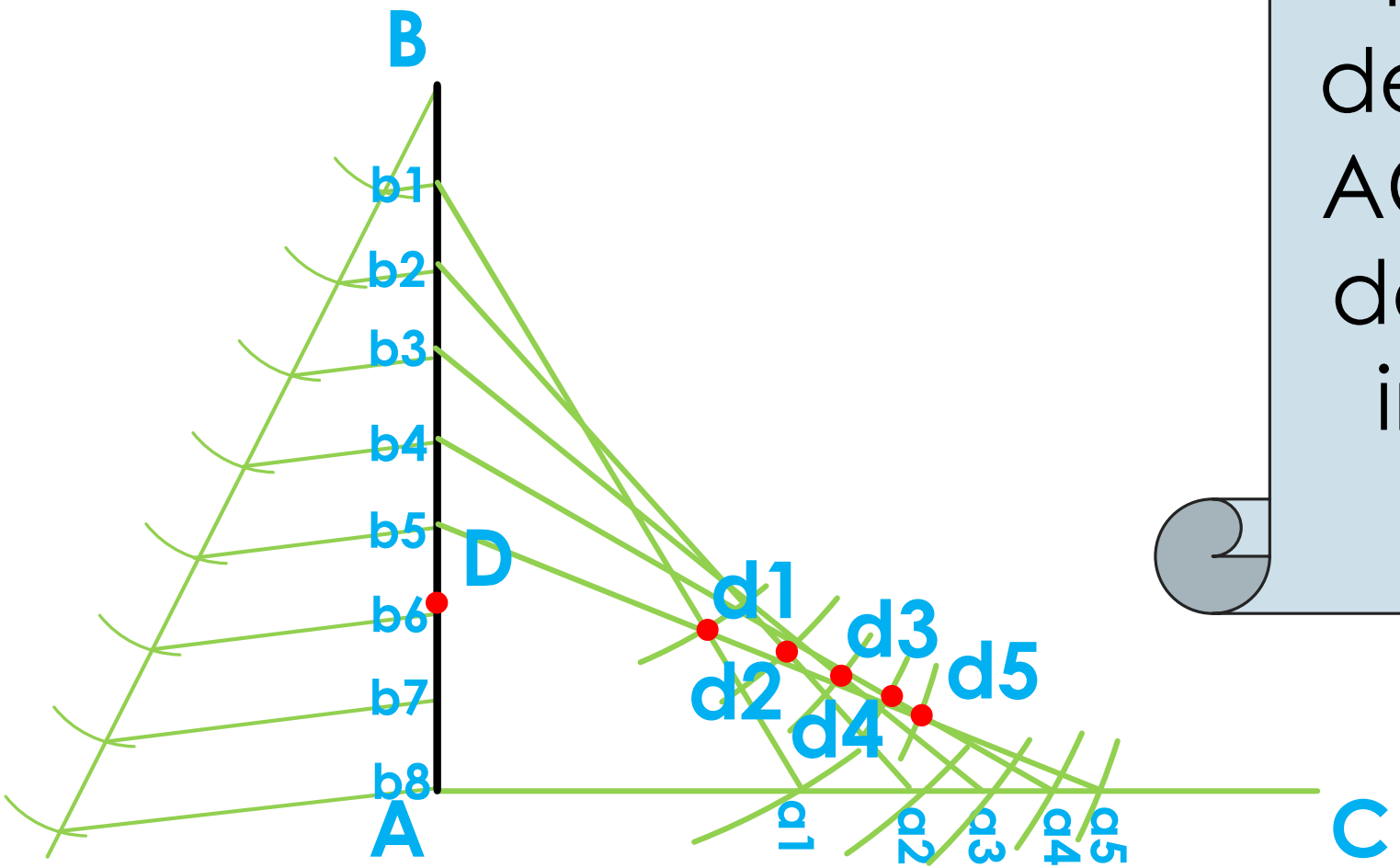

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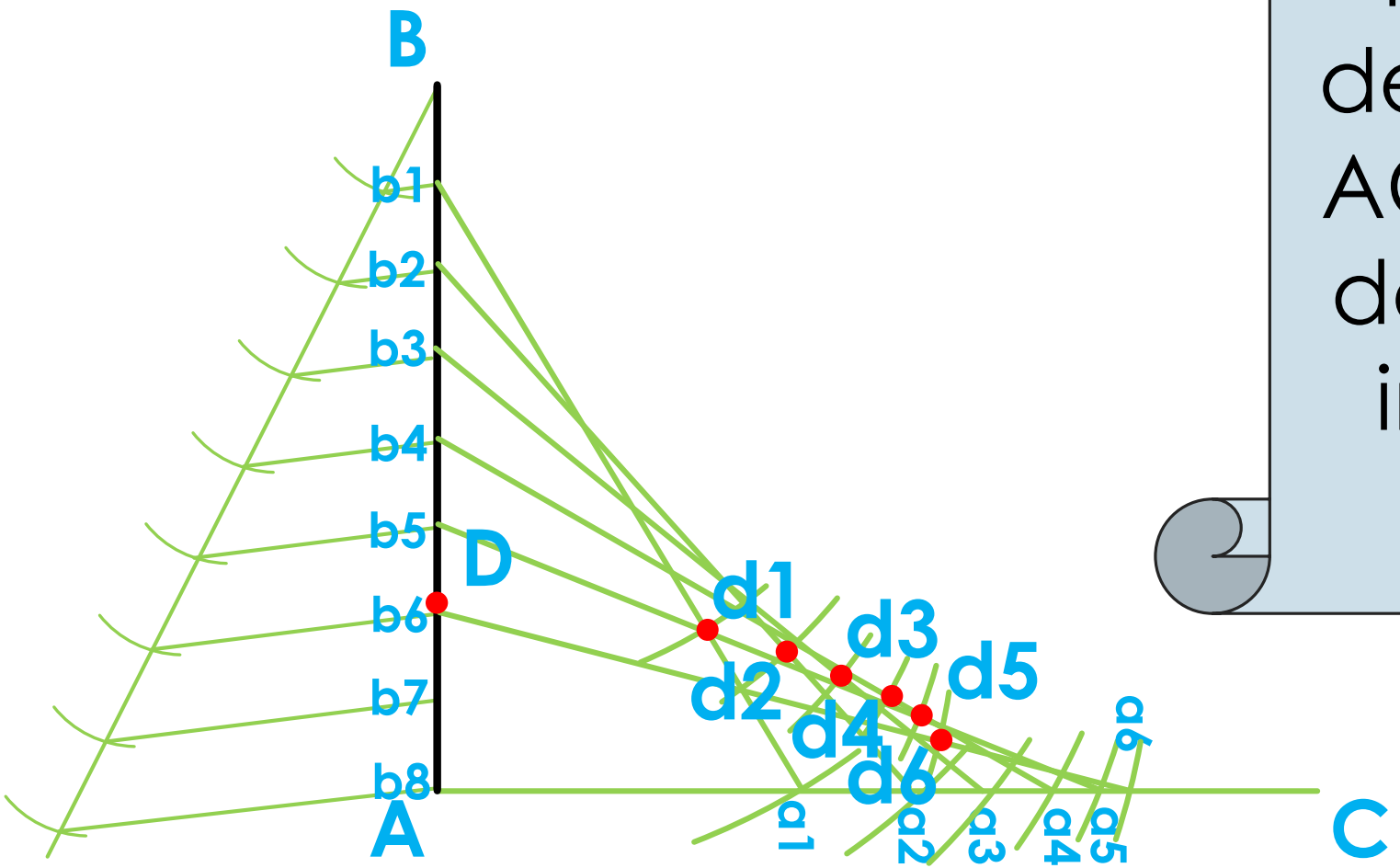

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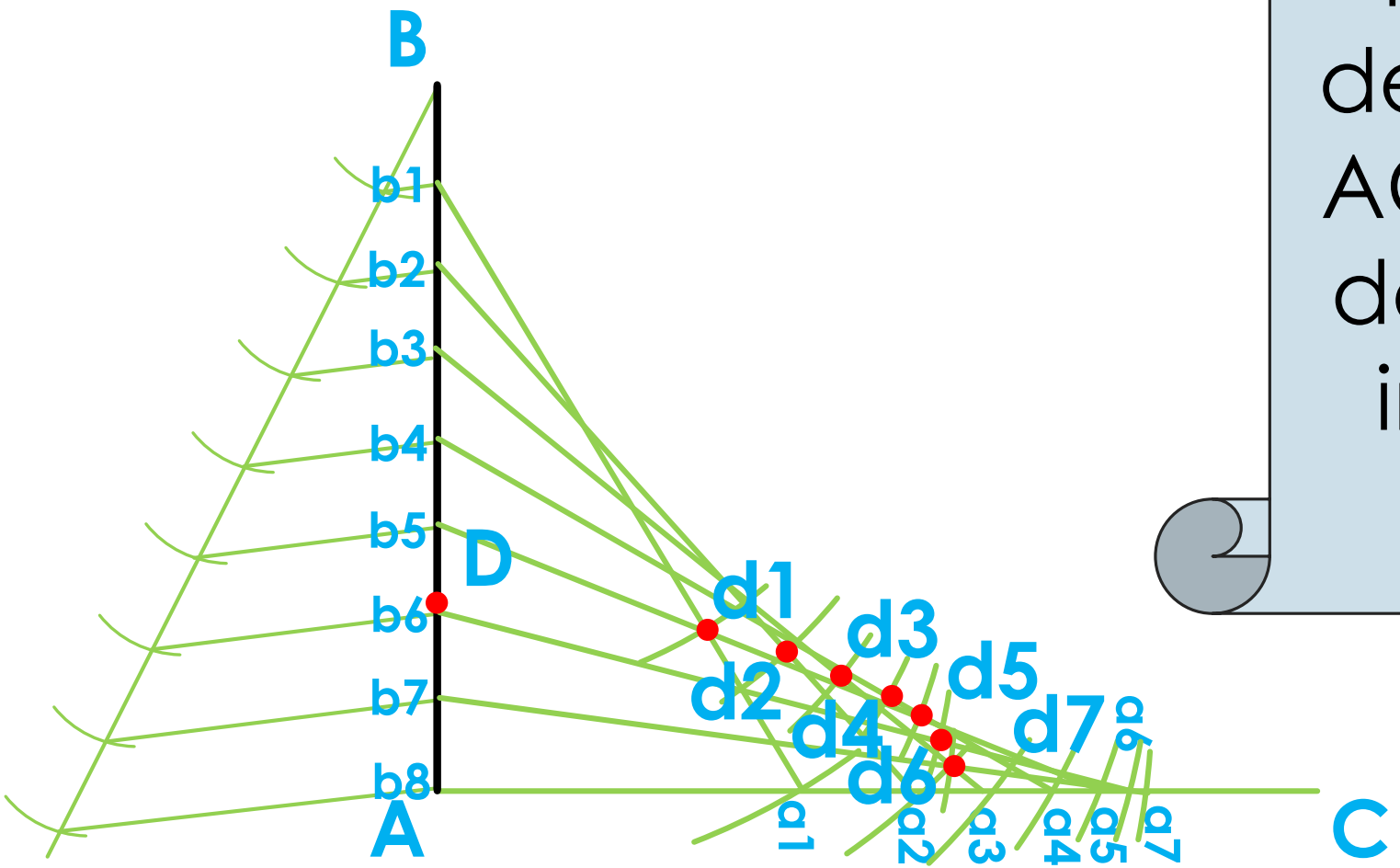

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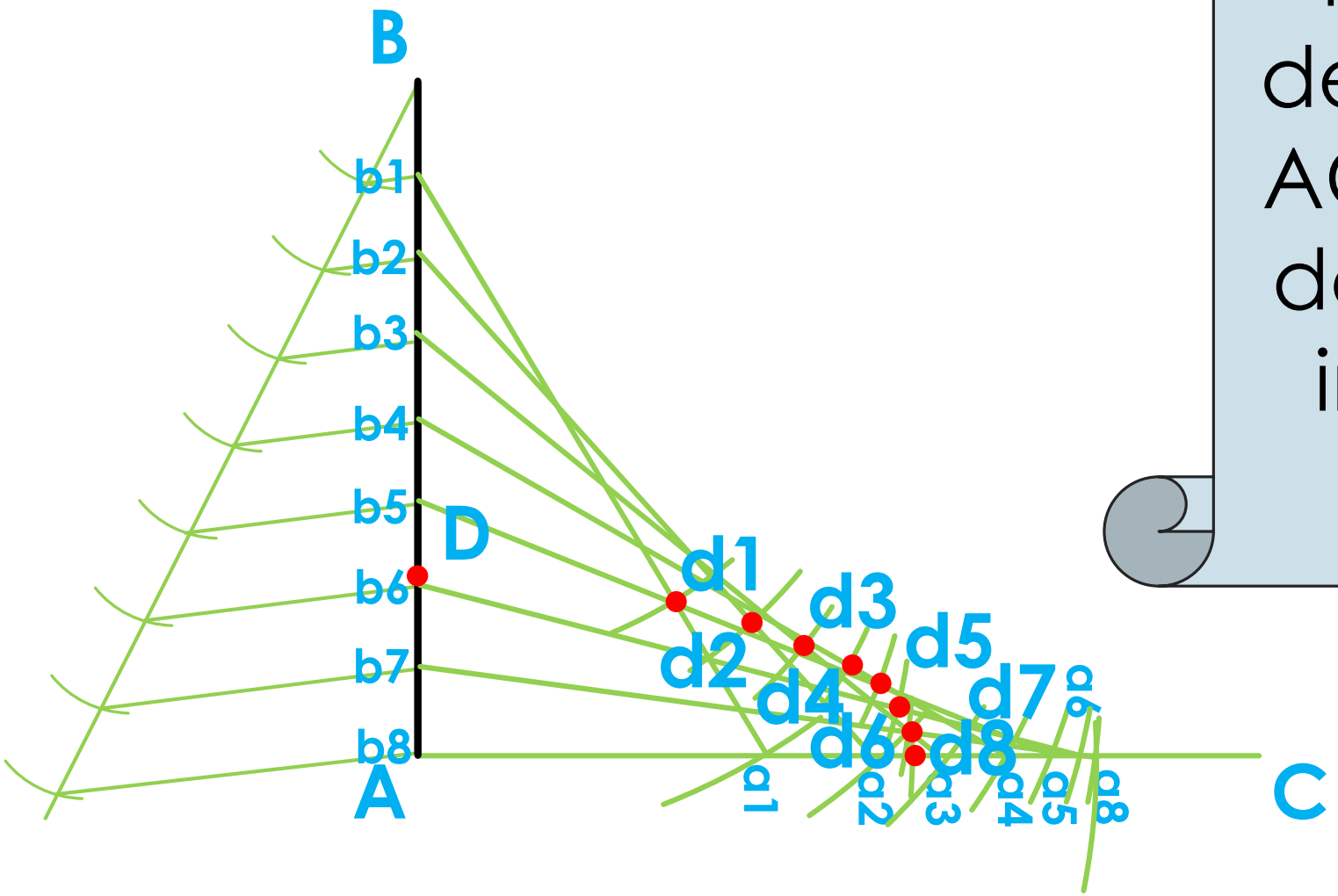

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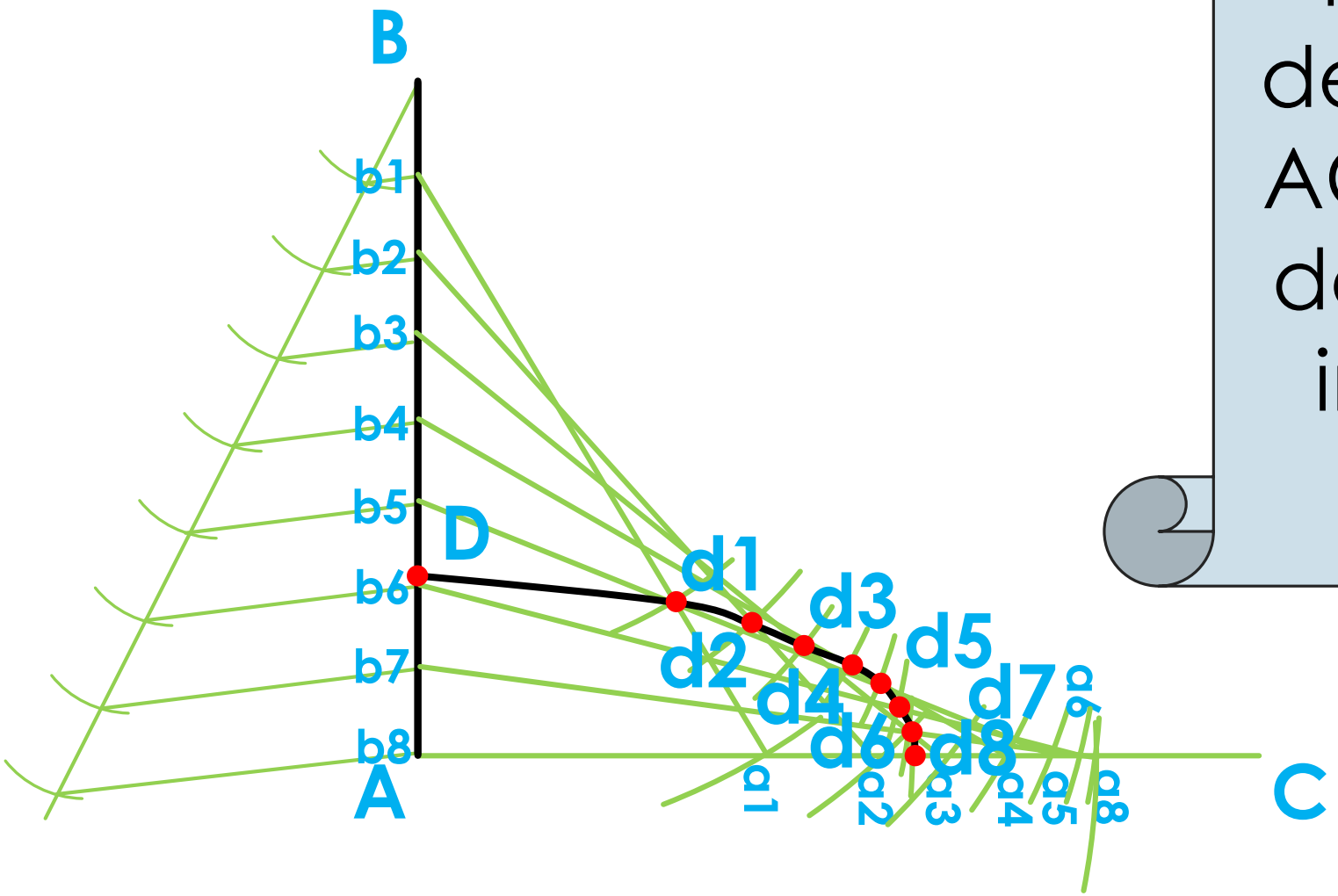

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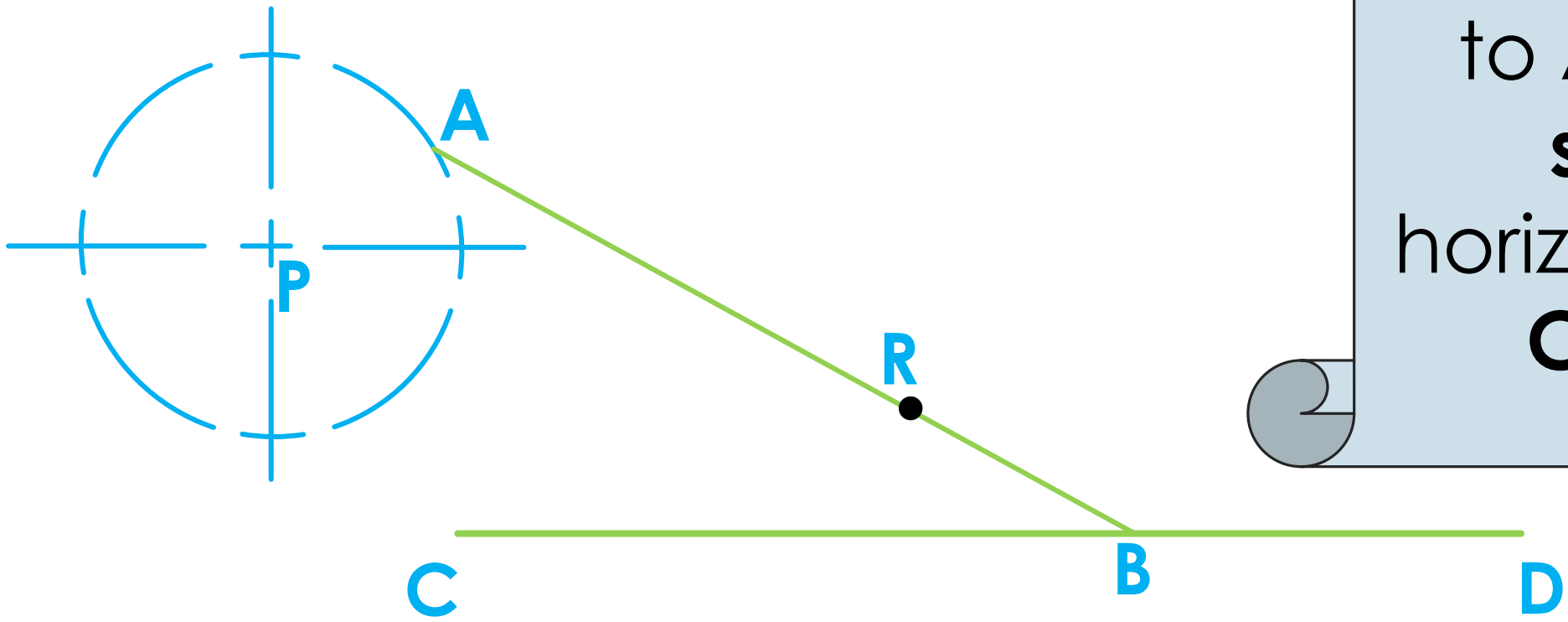
Loci of a POINT

Determine the **loci** of **R** if P is rotating and causing motion to AB while **sliding** horizontally **on CD** at **B**



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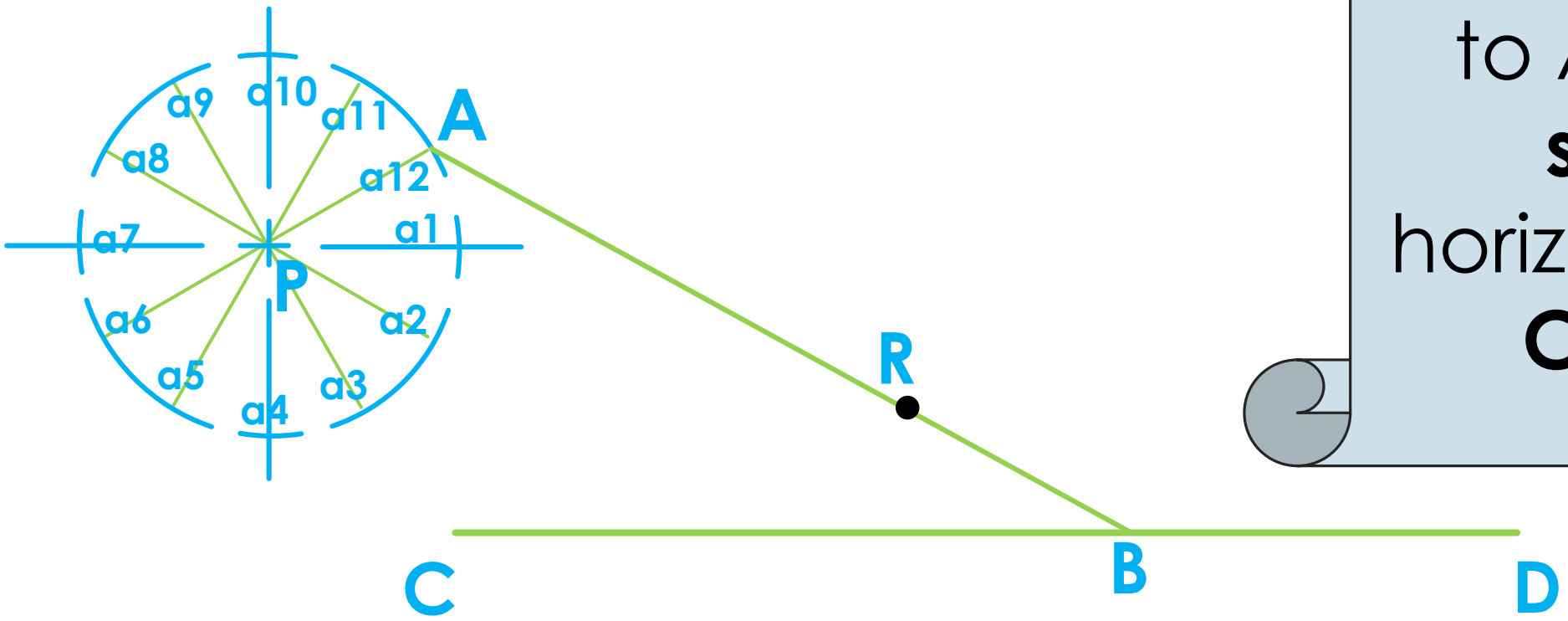

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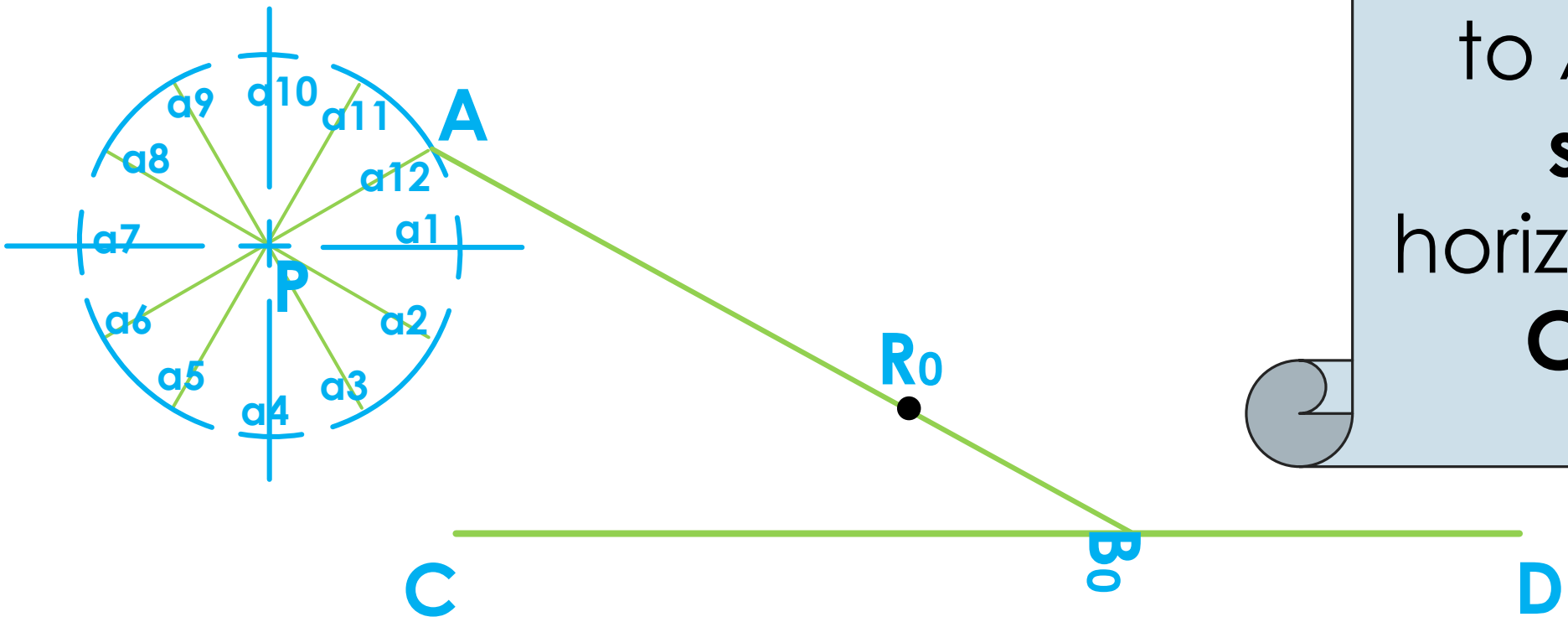

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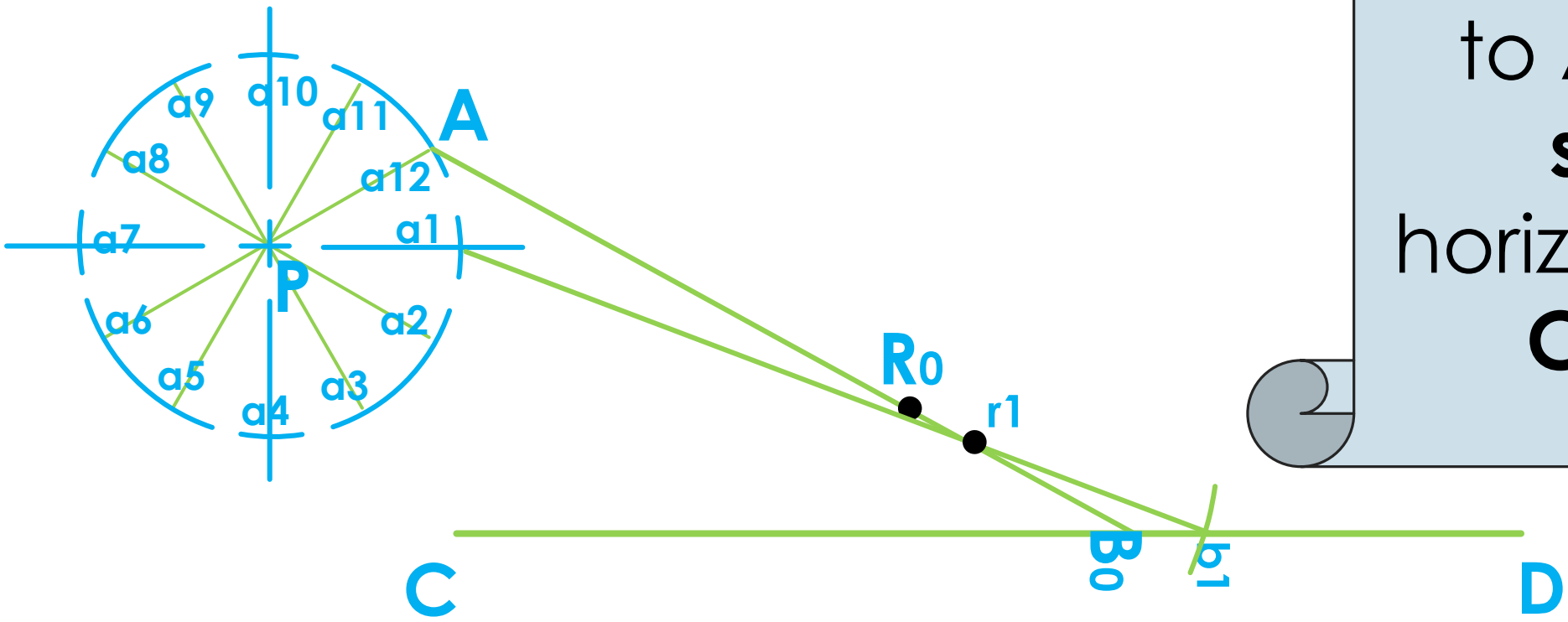

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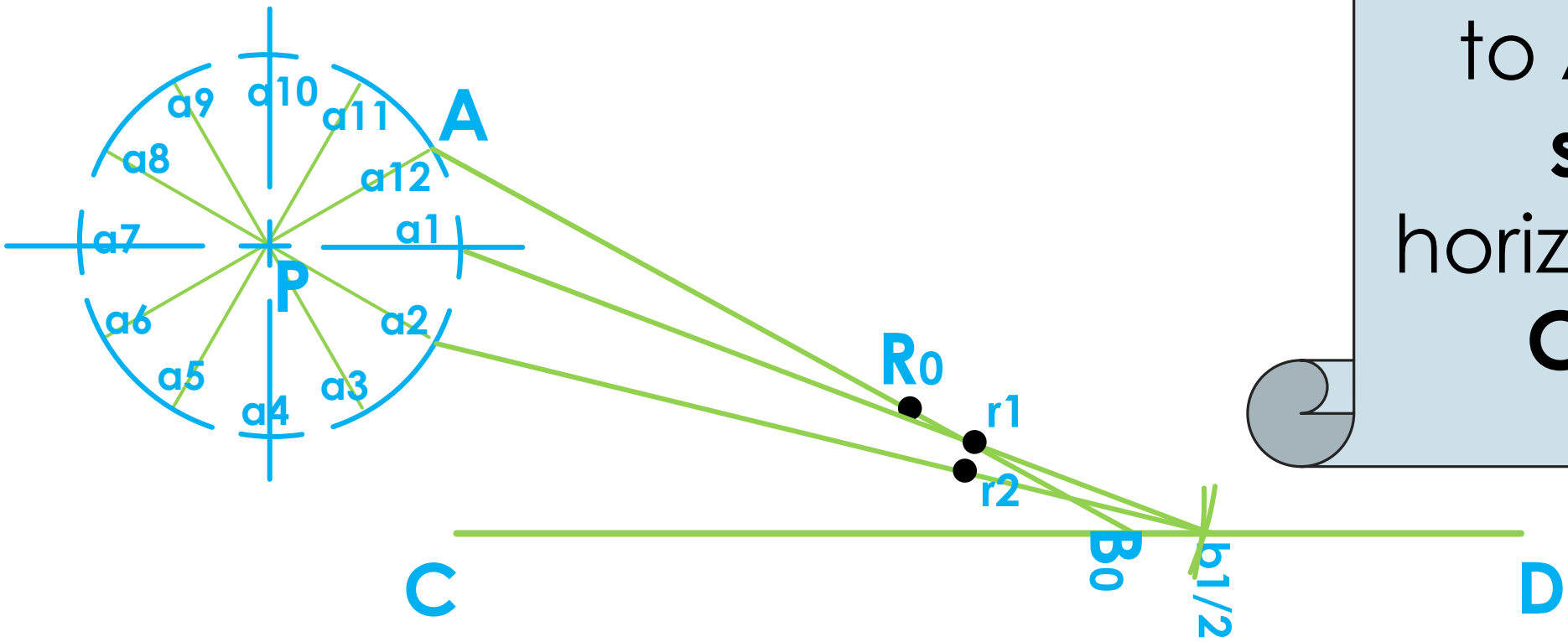

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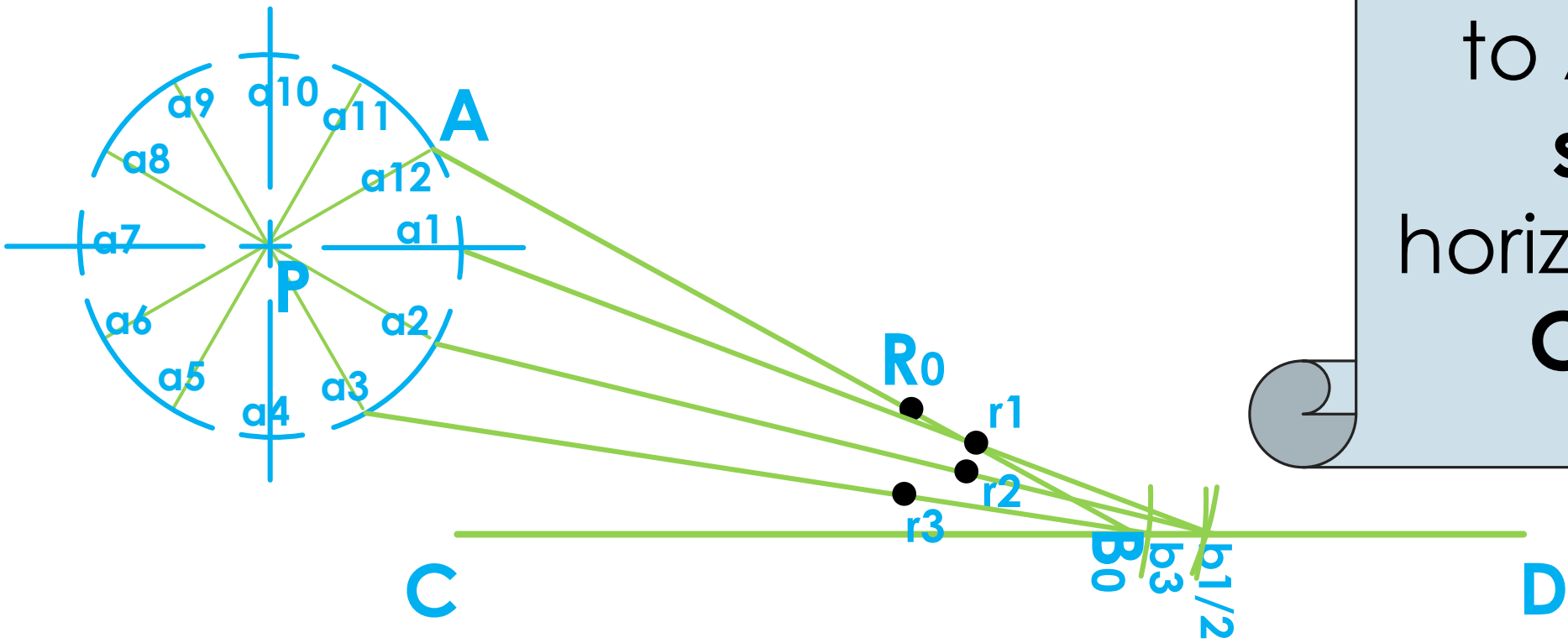

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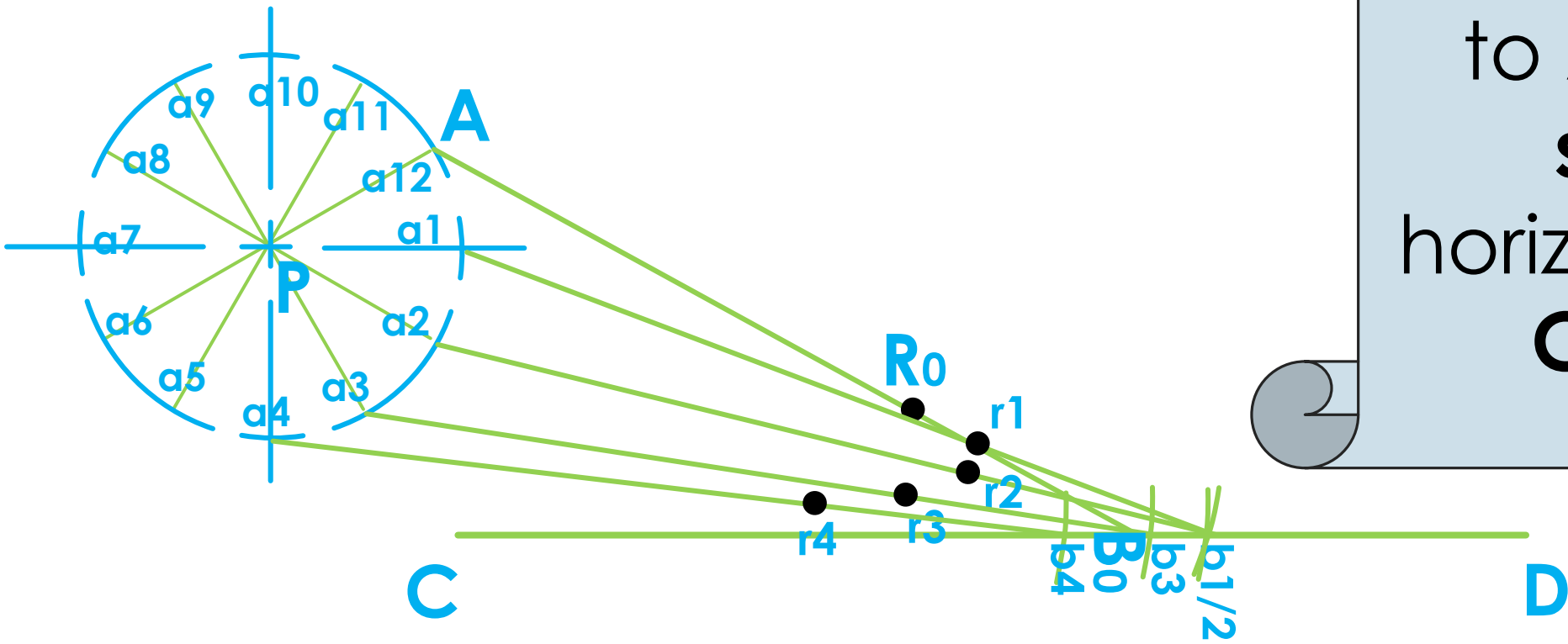

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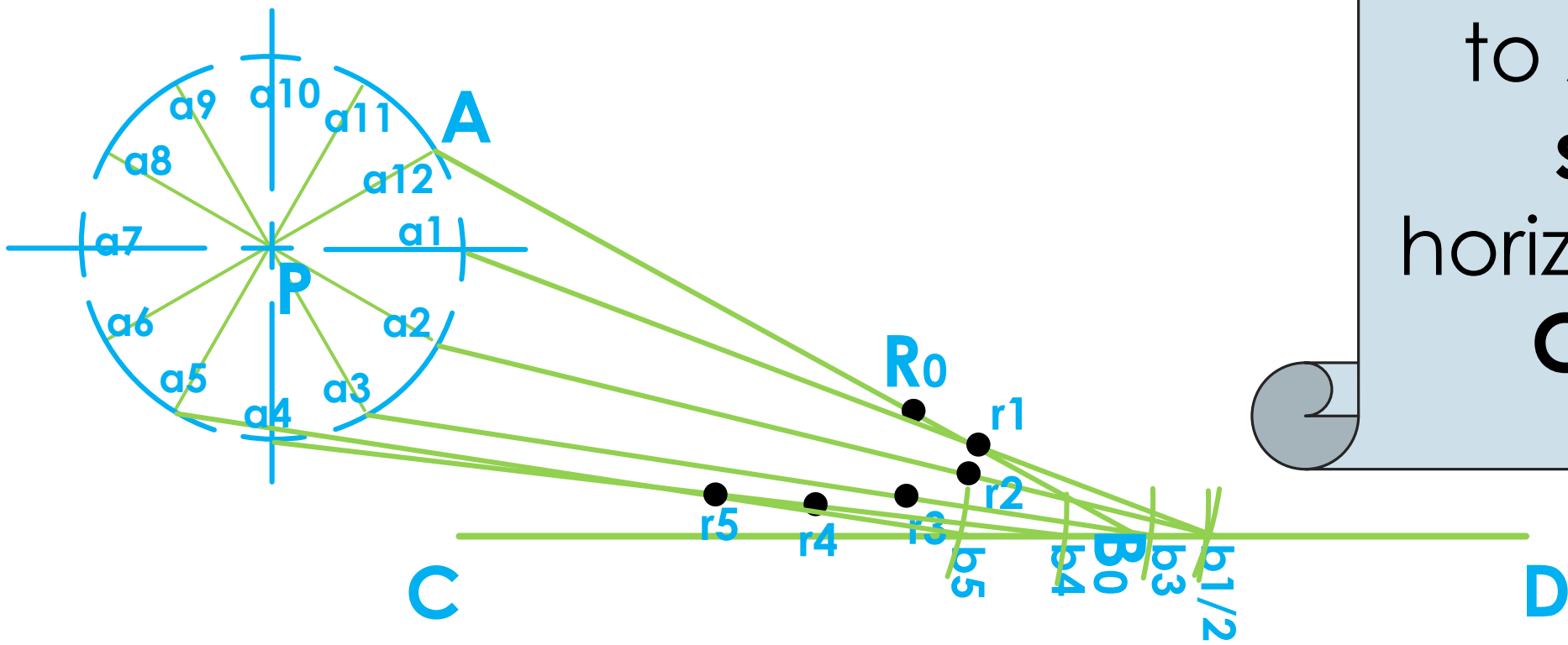

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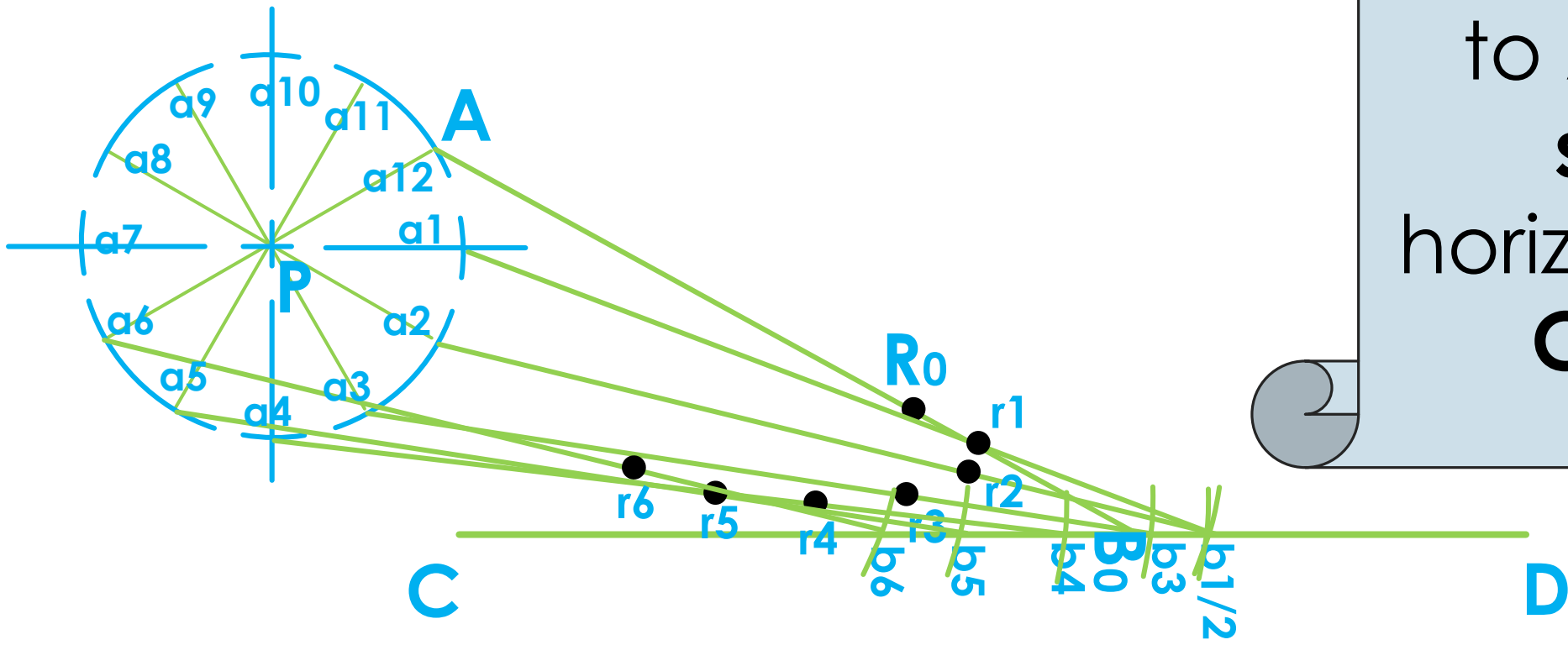

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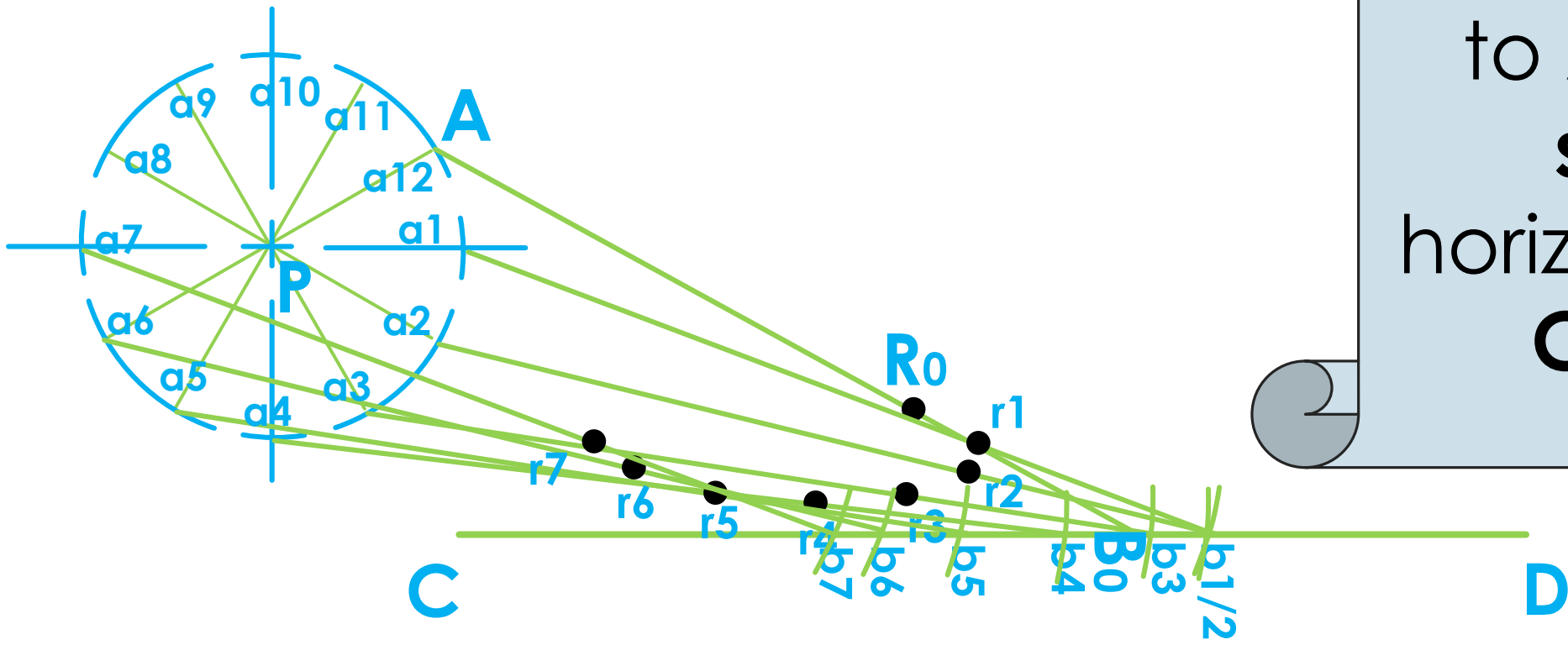

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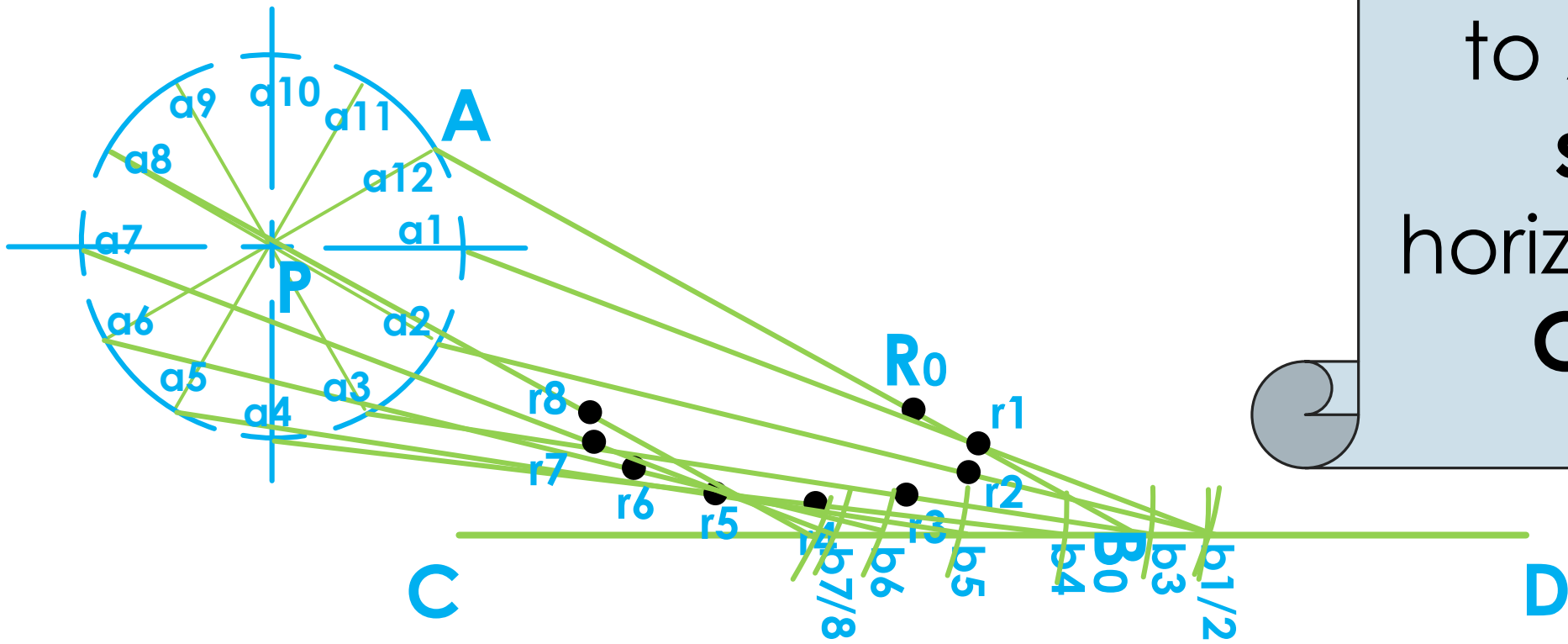

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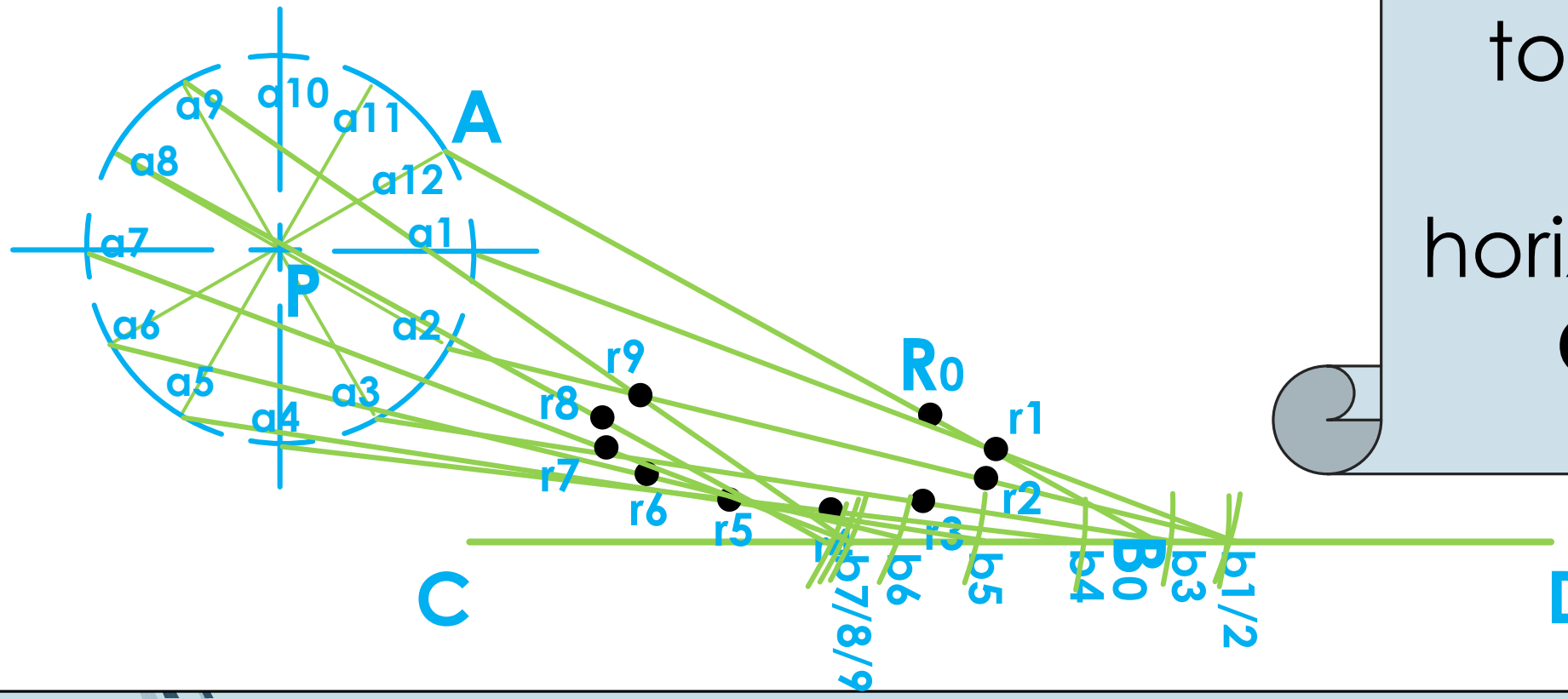

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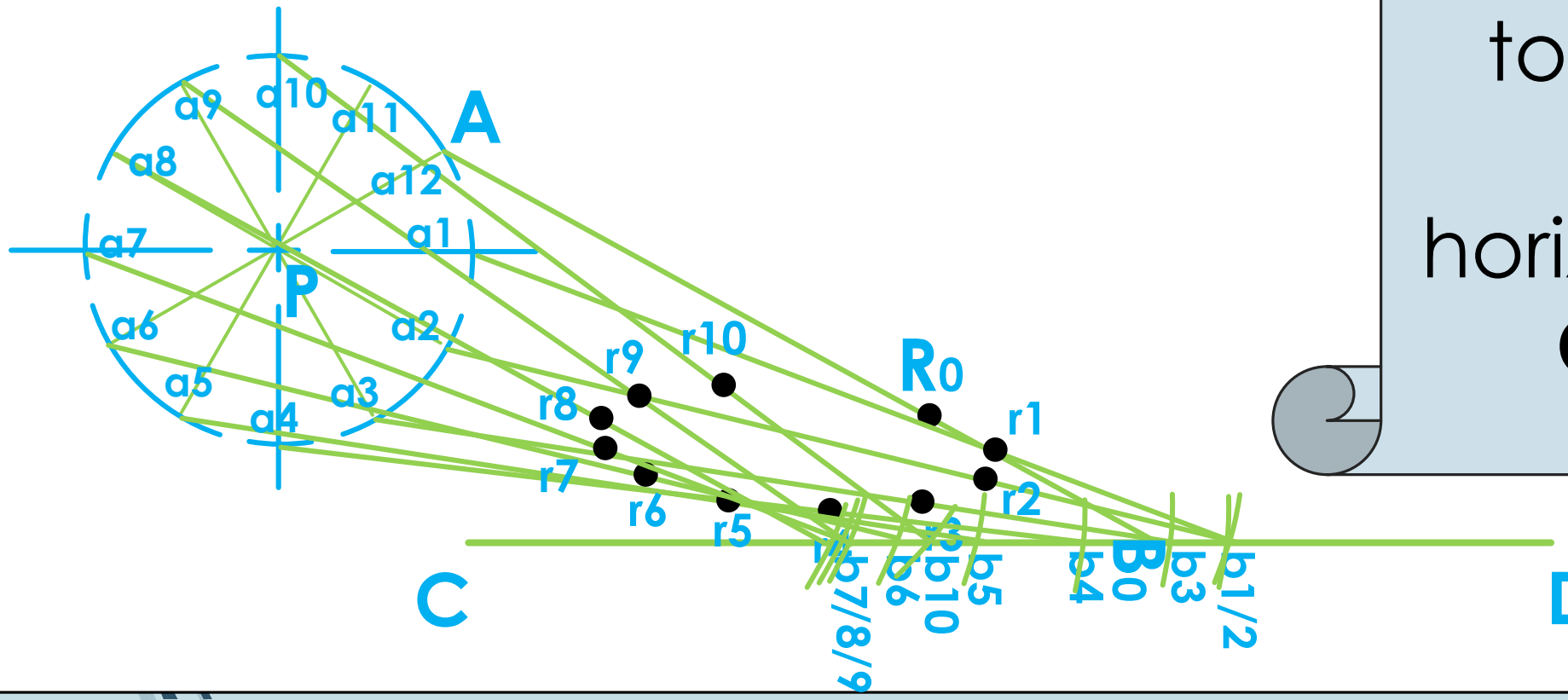

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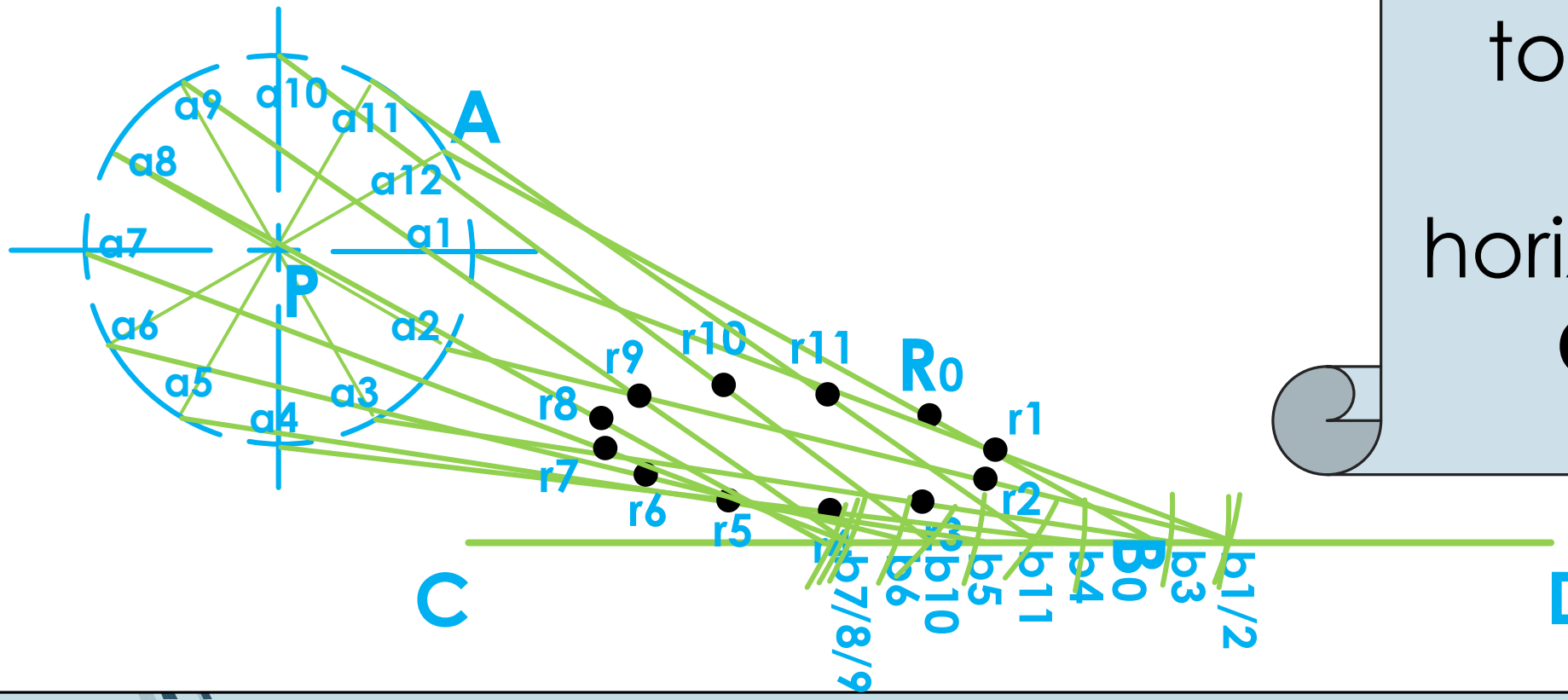

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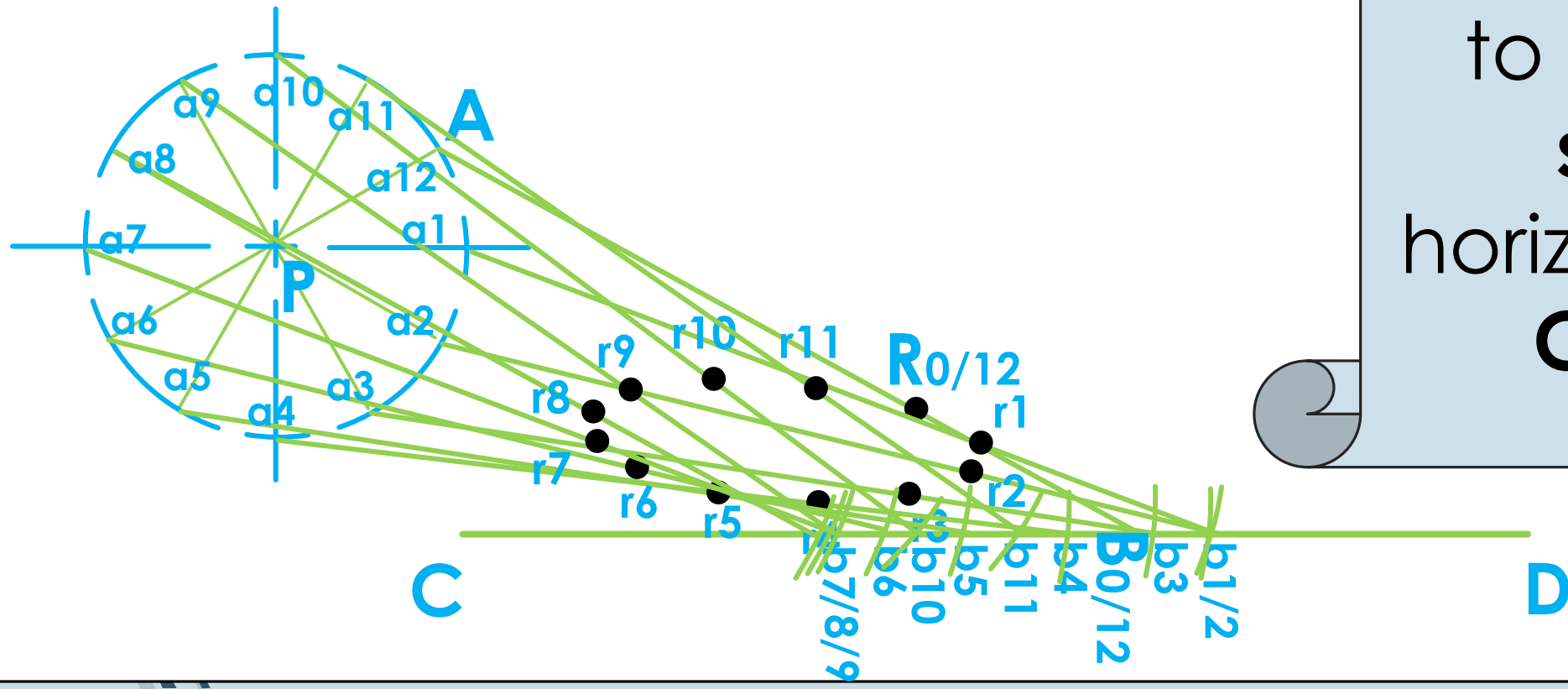

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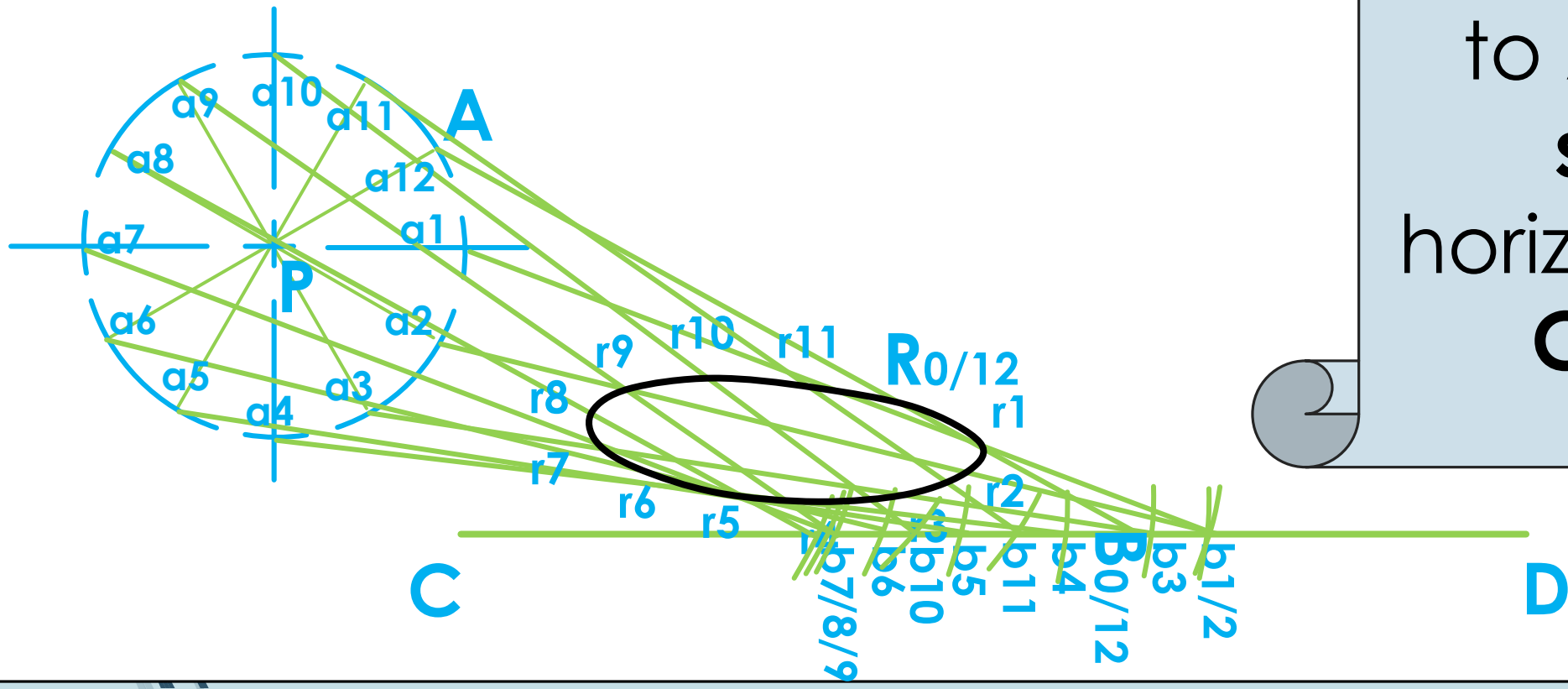

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