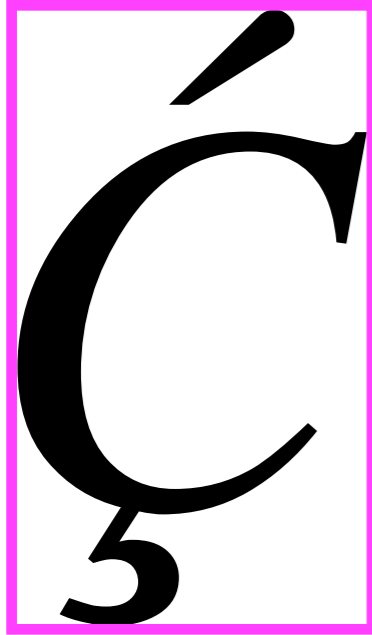


# The Three-Box Model

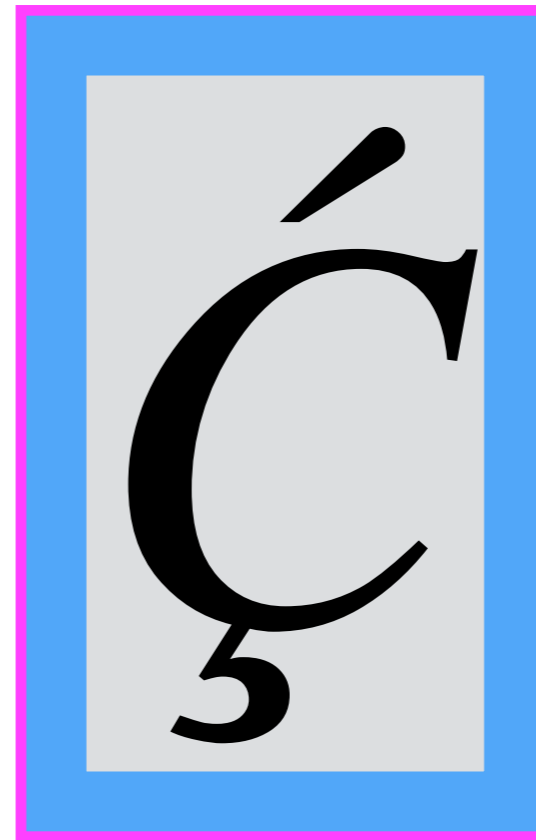
*blame the editors of CSS-Inline*

# Visible box

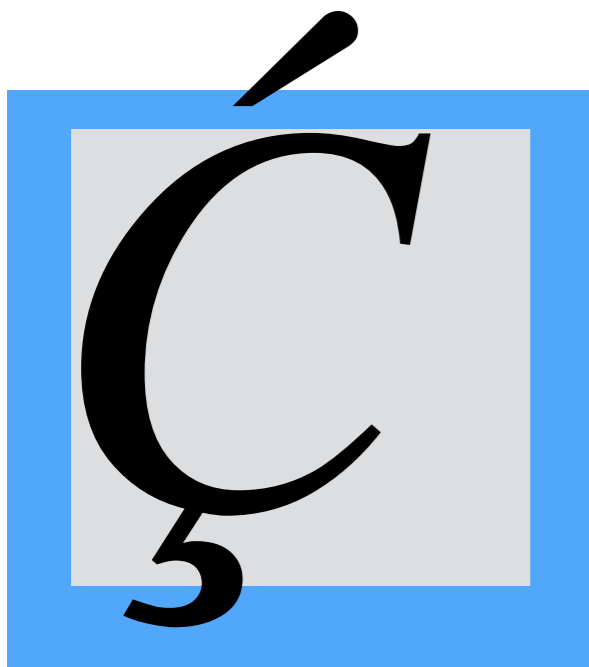


**visible box**  
if no padding/border:  
drawn around glyph outline

used for drawing & exclusions

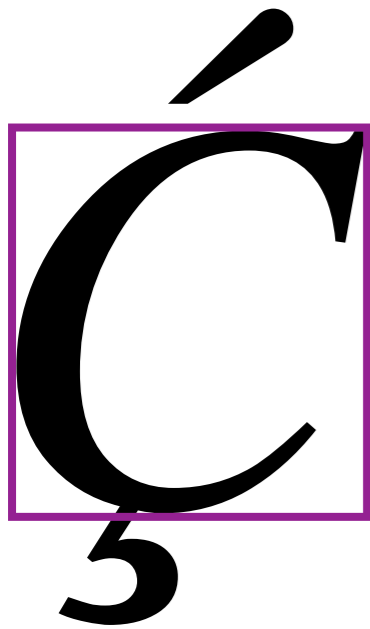


**visible box** with padding  
and border is border box



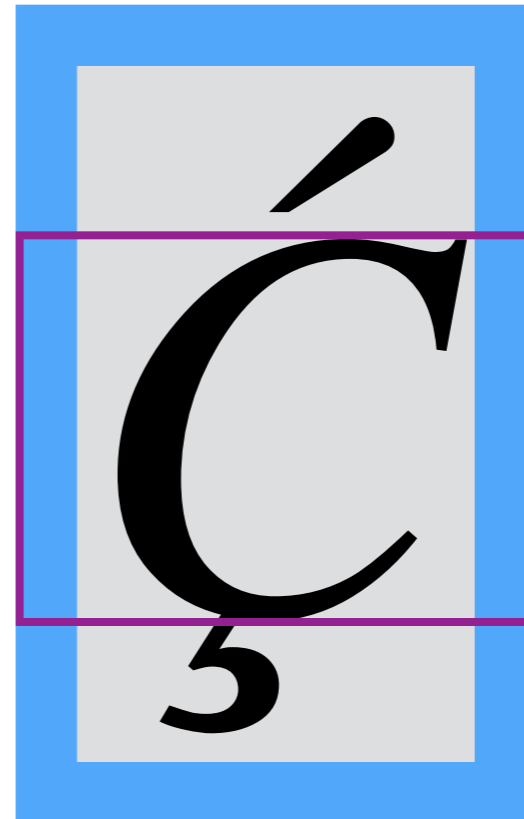
Q: what if border doesn't  
extent to glyph boundary?

# Alignment box



**alignment box:**  
height = alignment points  
width = glyph box – side bearing  
(if no padding or borders)

used for positioning initial letter/linebox  
and sizing the container (?)

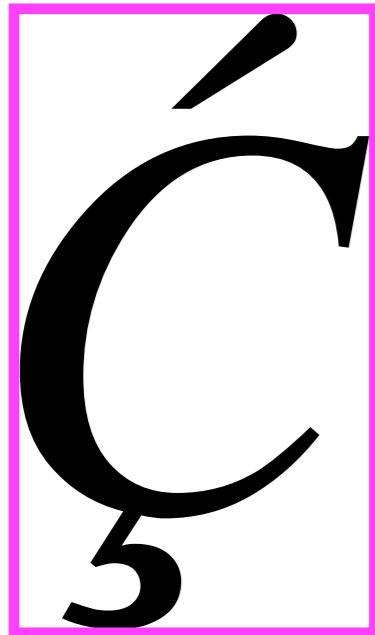


**alignment box**  
with padding/border,  
height is unchanged,  
width is border width?

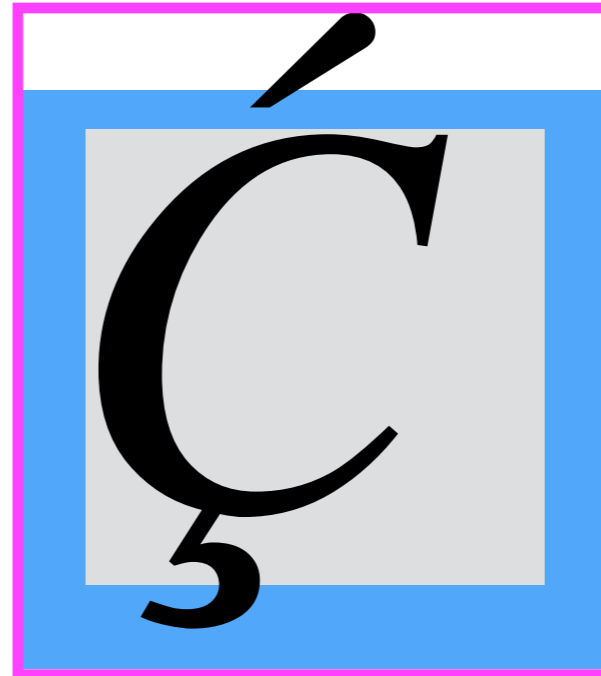
Q: what about margins?

Q: does the width of the alignment box matter?

# Spacing box



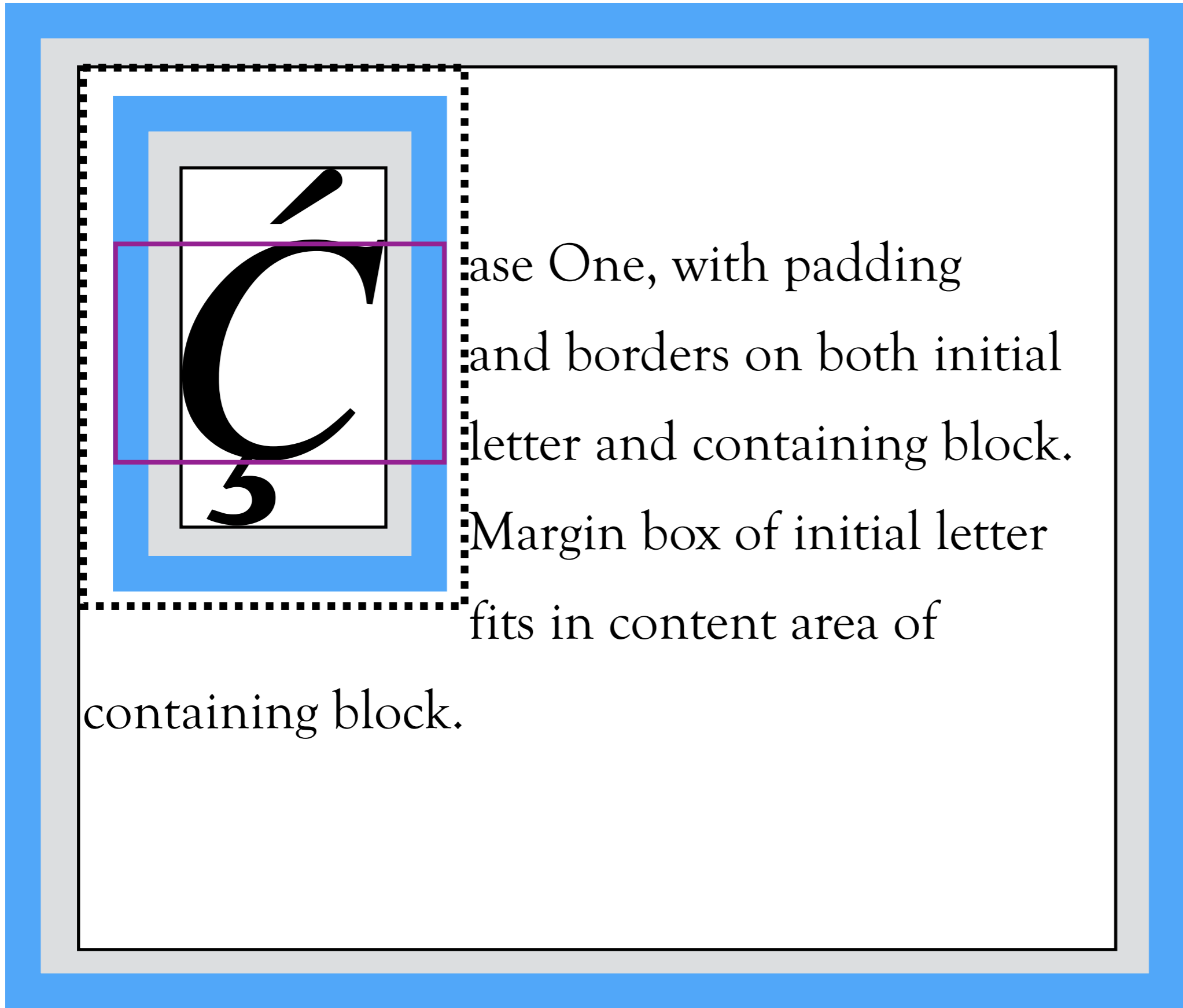
**spacing box**  
if no padding/border:  
drawn around glyph outline  
same as visible box



**spacing box with padding  
and border is union of  
visible box and border box**

**Used to increase collapsed margins on container  
if container has no padding/border**

**Used for sizing and positioning if container has PB**

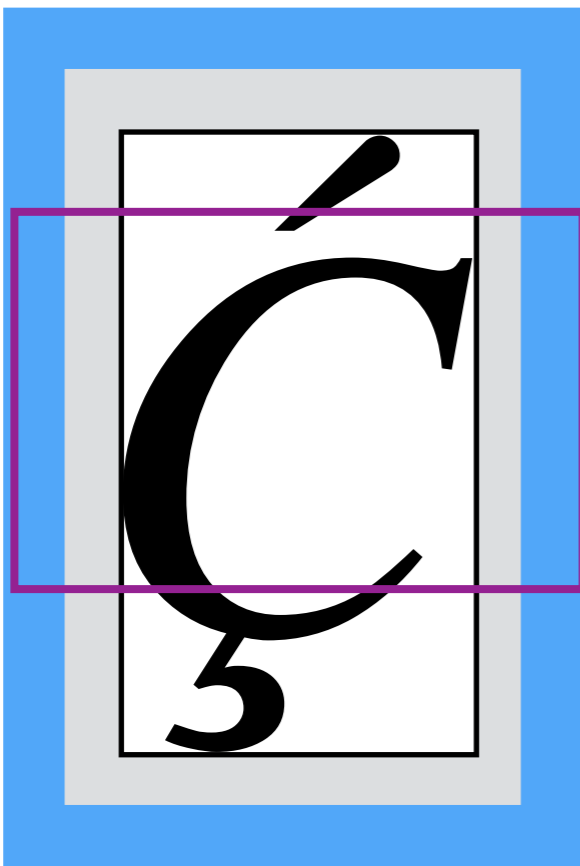


margin

padding

border

content



Case Two, with padding/borders on the initial letter but not the containing block. The visible box of the initial letter fits in the content area of the containing block, but vertical margins collapse.

margin

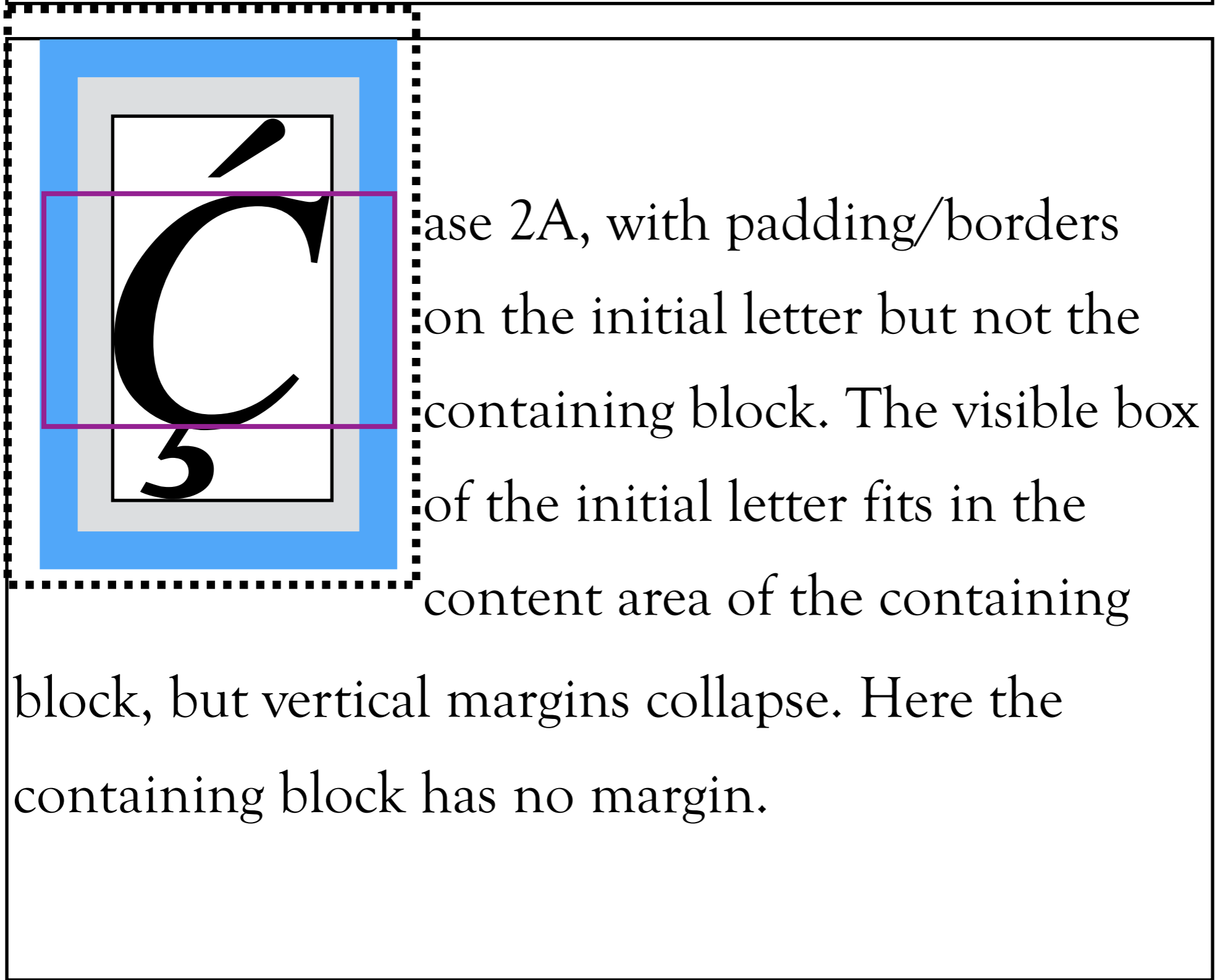
padding

border

content

alignment

visible



margin

padding

border

content

alignment

visible

C

ase Three, with padding / borders  
on the containing block but not the  
initial letter. Ensure union of visible  
box and margin around alignment

box (???) fits in containing block (???)

margin

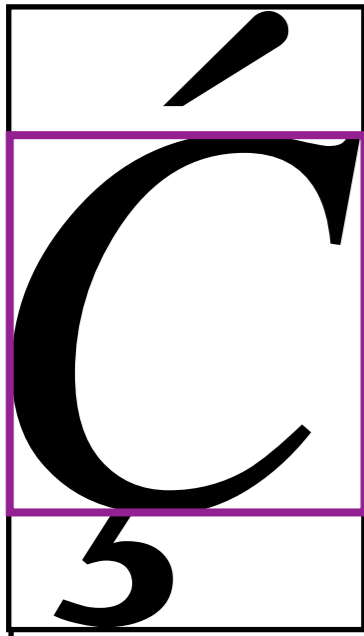
padding

border

content

alignment





Case Four, with no padding or borders on either initial letter or containing block.

The alignment box of the initial letter fits in the content area of the containing block. The spacing box of the initial letter fits into the margin box of the container (after collapsing)

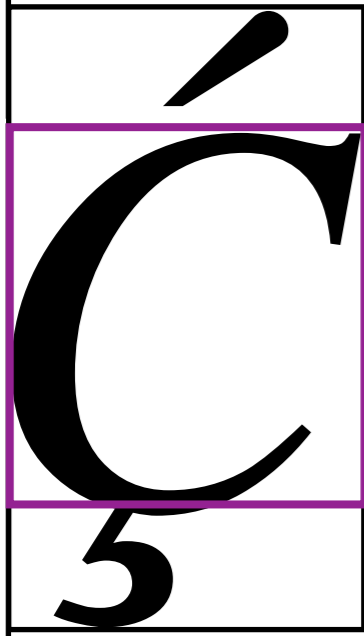
margin

padding

border

content

alignment



Case 4A, with no padding or borders on either initial letter or containing block.

The alignment box of the initial letter fits in the content area of the containing block. The spacing box of the initial letter fits into the margin box of the container (after collapsing)

