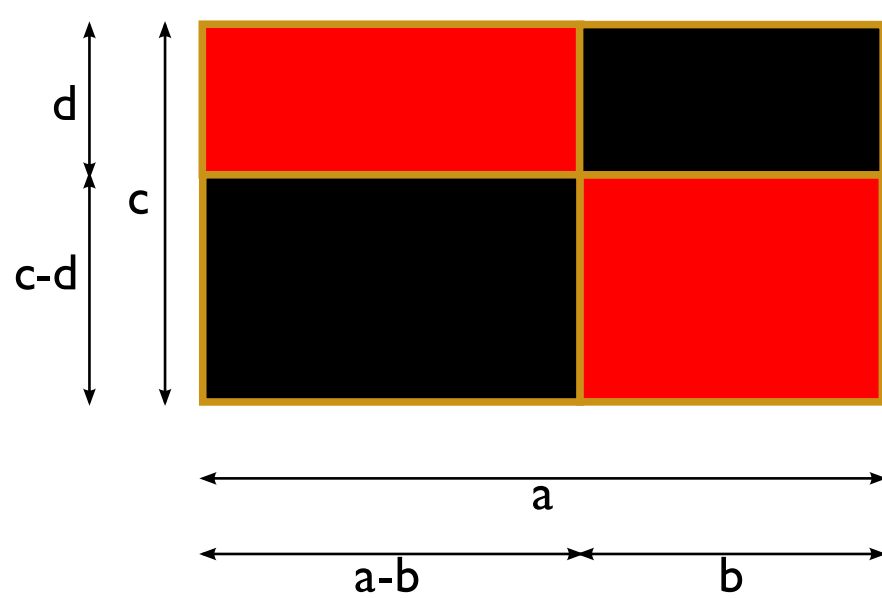
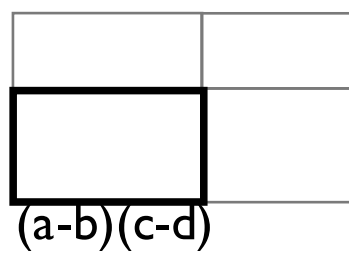


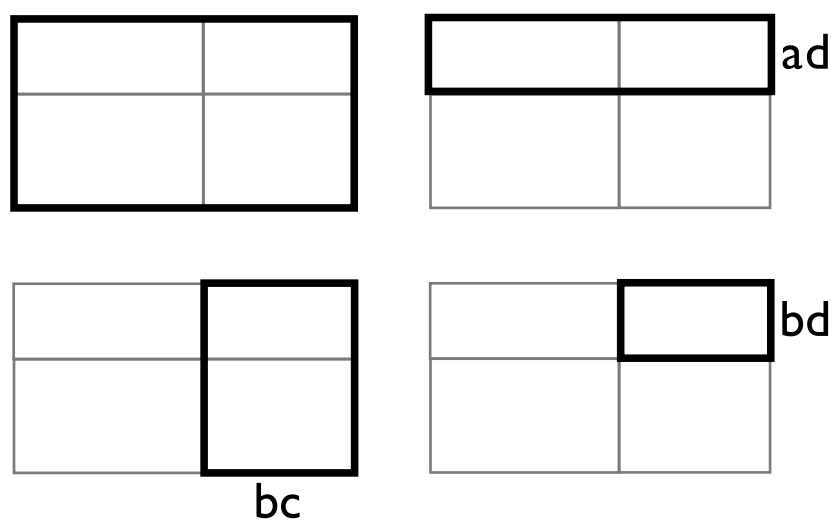
Consider this illustration of $(a-b)(c-d)$:



In the lower left is the rectangle that is $(a-b)(c-d)$:



and here are the rectangles representing simple products:

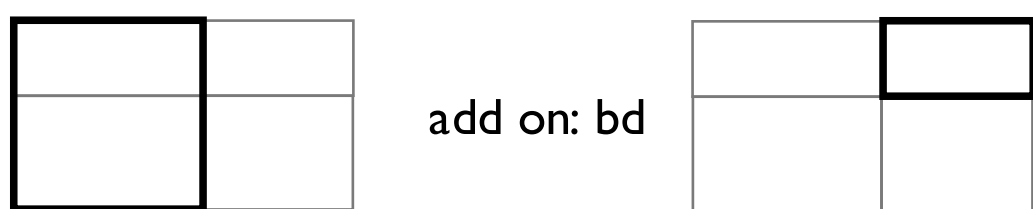


Making $(a-b)(c-d)$

Start with ac



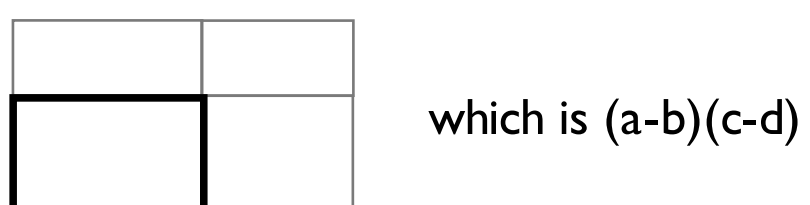
to get



to get



to get



Algebraically we know $(a-b)(c-d) = ac + a(-d) + (-b)c + (-b)(-d)$.

By comparing signs with the above list we can see that

$(-b)(-d)$ is bd .