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MONDAY

JULY

29th Week 195-170

JULY 2025

M	T	W	T	F	S
	1	2	3	4	5
7	8	9	10	11	12
14	15	16	17	18	19
21	22	23	24	25	26
28	29	30	31		

• If now we consider the product arising from the multiplication of the two quantities  $(a-b)$  and  $(c-d)$ , we know that it is less than that of  $(a-b) \times c$ , or of  $ac - bc$ ; in short, from this product we must subtract that of  $(a-b) \times d$ : but the product  $(a-b) \times (c-d)$  becomes  $ac - bc - ad$ , together with the product of  $-b \times d$  annexed; and the question is only what sign we must employ for this purpose, whether  $+$  or  $-$ .

• Now, we have seen that from the product  $ac - bc$  we must subtract the product of  $(a-b) \times d$ ; that is, we must subtract a quantity less than  $ad$ . We have therefore subtracted already too much by the quantity  $bd$ ; this product must be added; hence we see that  $-b \times -d$  gives  $+bd$  for a product.