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(305)

$$(b+c)^2 \stackrel{?}{=} (a+b)(c+d)$$

$$b^2 + 2bc + c^2 \stackrel{?}{=} ac + ad + bc + bd$$

$$b^2 + bc + c^2 \stackrel{?}{=} ac + ad + bd$$

אם $b^2 + bc + c^2 = ac + ad + bd$ אז

$$ac = b^2$$

$$ad = bc$$

$$bd = c^2$$

כלומר $ac = b^2$ ו- $bd = c^2$