

# Fixing the remaining sign

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7:58 PM

$$\text{Y-junction with inward arrows} = \text{Y-junction with outward arrows} - \text{Y-junction with outward arrows}$$

$$\text{Circle with upward arrow} = \text{Circle with clockwise arrow} - \text{Circle with counter-clockwise arrow} \Rightarrow \text{Circle with clockwise arrow} = 0$$

With the opposite sign for the Archibald relation, we'd have had  $\text{Circle with clockwise arrow} = 2$

$$\text{Circle with clockwise arrow and blue circle with counter-clockwise arrow} = - \text{Circle with clockwise arrow} - \text{Circle with counter-clockwise arrow} + \text{Circle with clockwise arrow and blue circle with counter-clockwise arrow}$$

$$= - \text{Circle with clockwise arrow} + \text{Circle with counter-clockwise arrow} - \text{Circle with clockwise arrow} = - \text{Circle with clockwise arrow}$$

With the opposite sign for the Archibald relation, we'd have  $-\text{Circle with clockwise arrow} = + \text{Circle with counter-clockwise arrow}$

*Note.* It may well be that the envelope of the WMVA is "the opposite" of the kernel of  $W(x+b)$ .