$$\frac{2M}{9} = \frac{5}{2M} - \frac{5}{2} \propto x^{2} \times x^{2} = 0$$

$$\frac{\sqrt{T_{W}}}{3} = \left(\sum_{\alpha_{i}} X_{i} Y_{i} \right) \left(\sum_{\alpha_{i}} X_{i} Y_{i} \right)$$

$$= \frac{1}{N_{i}} \sum_{\alpha_{i}} d_{i} d_{j} X_{i}^{T} X_{j} Y_{i} Y_{j}$$

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