

Shouji Rating System V3

Formulas

$$A\mu = 1500$$

$$B\mu = 1500$$

$$A\varphi = 32$$

$$B\varphi = 32$$

$$\beta = 400$$

$$A\int = A\varphi \times AT$$

$$B\int = B\varphi \times BT$$

$$AT = 1 - A\varphi / (A\varphi + A\mu)$$

$$BT = 1 - B\varphi / (B\varphi + B\mu)$$

$$R^o = 1 / (1 + 10^{(B\mu - A\mu) / \beta})$$

$$B^o = 1 / (1 + 10^{(A\mu - B\mu) / \beta})$$

A \emptyset , 1 = Win, 0.5 = Draw, 0 = Loss.

B \emptyset , 1 = Win, 0.5 = Draw, 0 = Loss.

$$A\mu' = A\mu + A\int \times (A\emptyset - A^o)$$

$$B\mu' = B\mu + B\int \times (B\emptyset - B^o)$$

$$A\varphi' = A\int$$

$$B\varphi' = B\int$$