Shouji Rating System V3.1

Formulas

Aμ 1500

Bμ 1500

Aφ 32

Bφ 32

Aσ 0

Bσ 0

β 400

AS $= \ A\varphi \ ** \ AT$

BS $= \ B\varphi \ ** \ BT$

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

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

A° $= 1/(1 + 10 \ ** \ ((B\mu - A\mu)/\beta))$

B° $= 1/(1 + 10 \ ** \ ((A\mu - B\mu)/\beta))$

Aø, 1 = Win, 0.5 = Draw, 0 = Loss.

Bø, 1 = Win, 0.5 = Draw, 0 = Loss.

Aμ' $= A\mu + AS * (A\text{ø} - A°) + AS * A\sigma$

Bμ' $= B\mu + BS * (B\text{ø} - B°) + BS * B\sigma$

Aφ' $= AS * 10 \ ** \ (((A\sigma) \ ** \ 2) \ ** \ 0.5)$

Bφ' $= BS * 10 \ ** \ (((B\sigma) \ ** \ 2) \ ** \ 0.5)$