$$a = 1000 \left(\frac{c}{\sqrt{b^2 + c} - b} - 2b \right)$$
 , $b = 1$ and $c = 0.004004$

$$b^{2}-7b \, \epsilon_{3}^{3}$$
, $b^{2}+c-7(b \, \epsilon_{7}^{2}+c \, \epsilon_{7}) \, \epsilon_{7}$

$$= b \, \epsilon_{7}^{4} + c \, \epsilon_{7}^{2}$$
Tor simplicity let's assume $\sqrt{\sigma^{2}}$ is also a tendamental opposition. Then:

In the end we set: