(Math.sqrt(((1000000000 \* (SHnM - TTnM) / 1000000000) + ((36000 \* (ALgL / 69000)) + 1.0)) \* ((1000000000 \* (SHnM - TTnM) / 1000000000) + ((36000 \* (ALgL / 69000)) + 1.0)) - 4 \* (1000000000 \* ((36000 \* (ALgL / 69000)) + 1.0)) \* (-TTnM / 1000000000)) - ((1000000000 \* (SHnM - TTnM) / 1000000000) + ((36000 \* (ALgL / 69000)) + 1.0))) / (2 \* (1000000000 \* ((36000 \* (ALgL / 69000)) + 1.0)))\* 1000000000000

a(KTS \* N)

b((KTS \* (SHnM - TTnM) / ten9) + N)

c(-TTnM / ten9)

KTS = 1000000000

SHnM = SHBG nmol/L

TTnM = TT nmol/L

ALgL = AL G/L

Ten9 = 1000000000

Ten12 = 1000000000000

N = ((KTA \* ALM) + 1.0)

KTA = 36000

ALM = (ALgL / MWA)

MWA = 69000

N = ((36000 \* (ALgL / 69000)) + 1.0)