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$SQ/kB = - (N \log N - N) + N \log A - 2$ We divide out one of the N 's and recombine the log to find $u0013 u0012 u0013 u0012 A \log N - 1 A = 1 + \log -b$, $SQ /N kB = 1 + \log N N 2 N$ where $b= A \log N - 1 \approx 2\pi r 2 N 2$ Copyright James P. Sethna 2011 -- Copyright Jam f24 Copyright James P. Sethna, 2011.

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