	Kittel TP
2,3 (a)	For snyle system, &= In g (N, n)
	(N+n-1)
	= ln (N+n-1)!
	n! (N-1)!
	using stirling approx, and that N-12H,
	6=(N+n) ln(N+n) - (N+h) - klnn + n - Nln W+N
	= (W+n) In(N+n) - nInn-MINN
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$$= \ln \left[\frac{N + \frac{1}{4m}}{4m} \right] = \ln \left[\frac{N + \frac{1}{4m}}{4m} + 1 \right]$$

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