The dangers of writing a paper in WORD

No, we had not been sampling from Dave Penny's extensive single malt collection; nor experimenting with mind-altering chemicals. The hieroglyphics shown resulted from a change of font (from symbol) *after* the galley proof stage. Here is part of the "proof" of a theorem in our 1995 book chapter: Penny *et al.* The role of models in reconstructing evolutionary trees. pp. 211-230. 1995 In *Models in Phylogeny reconstruction* (Oxford University Press, eds. R.W. Scotland, D.J. Siebert, and D.M. Williams).

$$\text{Set} \quad p(e) = \begin{cases} 0.5 - \geqslant, & \text{if } e \nabla S \\ 0, & \text{if } e \blacktriangle S \end{cases}$$

for $\pm > 0$ and denote the associated family of transition matrices $F_i(\pm)$. Then, as $\pm \to 0+$

$$P[\wedge_i, \mid T, F_i(\geqslant)] \to 2^{-k}$$

thus establishing (6). Combining this with (5) gives (2). Now, from equation (1), we have

$$\sup \{F_i\} L = \overset{c}{\underset{i=1}{\wr}} \sup_{F_i} \{P[\wedge_i \mid T, F_i]\}$$

$$= \overset{c}{\underset{i=1}{\wr}} 2^{-l(\wedge_i, T)}$$

$$= 2 \overset{c}{\underset{i=1}{\nsim}} l(\wedge_i, T)$$

and so we know the tree(s) which maximizes L is the tree(s) which minimizes

$$\overset{c}{\underset{i=1}{\nsim}} l(\wedge_i, T)$$