



UCL Department of Computer Science
CS M038/GZ06: Mobile and Cloud Computing
Spring 2014
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One-pager: Attack of the Clones (Ananthanarayanan *et al.*, 2013) Due: Start of lecture, 14th March 2014

Instructions: *in your own words, answer the following questions as succinctly as possible (in 200–500 words total, but shorter answers within this range are encouraged). Quoting figures or text from the assigned reading or from any other source is specifically prohibited.*

In Figure 5, the authors illustrate that as the number of clones increases, the probability of a job straggling decreases for both the Contention-Avoidance Cloning (CAC) and Contention Cloning (CC) strategies. Why does the probability of a job straggling eventually converge to zero under *both* CAC and CC, once the number of clones becomes great enough?