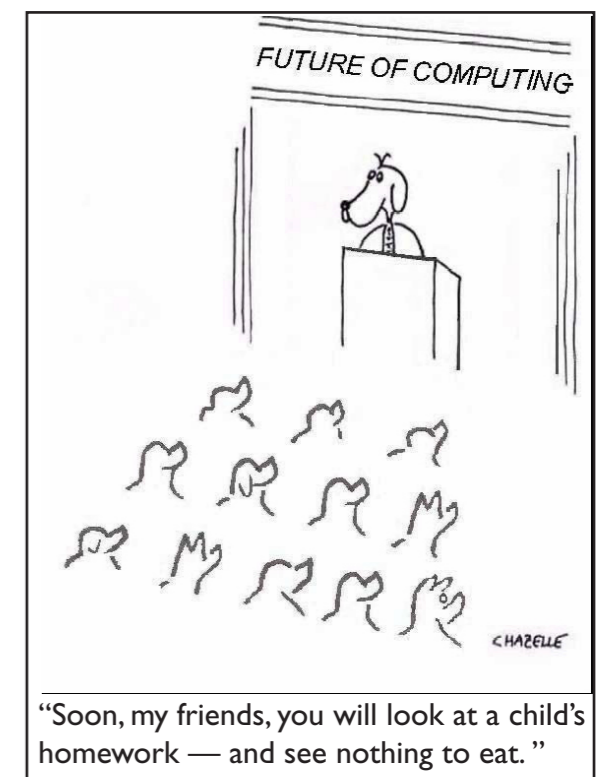


What an iPod, a Flock of Birds, and DNA have in common...



Moore's Law holds that computing power doubles every 18 months. Most of the wonders of the computer age can be attributed directly to this law. Alas, its days are numbered. What then?

In this talk I will argue that the years ahead will usher in the era of the "Algorithm", a notion that might prove just as disruptive in this century as the revolution in the physical sciences was in the last century. I will discuss why algorithms are even more powerful than customarily believed but why they will not unleash their true potential until they become fully-fledged scientific tools and not just problem-solvers.



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