Tasks and Ultra-tasks

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Can we count the primes? There is a near unanimous consensus that in principle we can. I believe the near-consensus rests on a mistake: we tend to confuse counting the primes with counting each prime. To count the primes, I suggest, is to come up with an answer to the question “How many primes are there?” because of counting each prime. This, in turn requires some sort of dependence of outcome on process. Building on some ideas from Max Black, I argue that—barring very odd laws of nature—such dependence cannot obtain.