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REDO 6.1

28) How many license plates can be made using either three digits followed by three uppercase English letters or three uppercase English letters followed by three digits.

This has the following properties: DDD EEE or EEE DDD, repeats ok, D = 10, E = uppercase English letter = 26.

This appears to be a product rule combined with the sum rule. $10^3 + 26^3 = 2(18576) = 37152$. We multiply by two because the two orders are both $10^3 + 26^3$