

October 14th

$$2^{50}$$

$$3^{40}$$

$$5^{30}$$

$$7^{20}$$

$$2^{50} = (2^5)^{10} = 32^{10}$$

$$3^{40} = (3^4)^{10} = 81^{10}$$

$$5^{30} = (5^3)^{10} = 125^{10}$$

$$7^{20} = (7^2)^{10} = 49^{10}$$

So, in order

$$2^{50}, 7^{20}, 3^{40}, 5^{30}$$