$2.45 \cdot 10^{40}$ cycles (terms)

With 1000 FLOPS pr. cycle it is $2.45 \cdot 10^{43}$ FLOPS

That will take $2.45 \cdot 10^{40} \cdot 10^{-14}s = 2.45 \cdot 10^{26}$ seconds

Which is $\dfrac{2.45 \cdot 10^{26}}{3600 \cdot 24 \cdot 365} \approx 7.8 \cdot 10^{18}$ years

Which is quite long considering the age of the universe is approximately $13.8 \cdot 10^{9}$ years