Mrinmoy Sarkar

Bannar Id: 950-363-260

**question:** how long it may take for a 1018 Hz computer to process all the possible route for a 1000 city problem?

the no. of possible path = (1000-1)!/2

using: https://www.calculatorsoup.com/calculators/discretemathematics/evenpermutations.php

999!/2 = 2.0119363E+2564

required time = 2.0119363E+2564/1018 = 2.0119363E+2546 second

= 4.657E+2529 universe ages