Extragalaxigal

Sharat was surprised while learning about factorals that 61! is already bigger than the numbers of atoms in the universe.

So he decided to take this indea to the extreme and calculate f(n,k):

 $f(n_i k) = \begin{cases} n! & \text{if } k = 1 \\ f(i_i k - i_j) & \text{ch} \end{cases}$

His Frience thought that this number could be much bigner, so he asked you to calculate I queries of the form N. K. Nz Kz

the conswer to each quiny should be

