Okay so here I’m going to list some of the ideas I got from titu’ book:

1. Tripling technique. f(f(f(n)))
2. Induction ;3
3. Work with Random Variable
4. Recursion
5. Kamla Khete Man boshao
6. Knowing Lemmas and Identities like Hermites identitiy. (For 0<= i <=n-1 Summation of floor( x + (i/n) ) = floor (nx) )
7. Try proving that functions are multiplicative
8. See Problem no. 9

And here are other stuffs:

1. Use infinite sequences to make a bound. See this: <https://artofproblemsolving.com/community/c6h352088p1899908>