





The coding blocks members went to the success party of their first ever online boot-camp at Murthal. They ordered **P** number of paranthas. The stall has **L** cooks and each cook has a rank **R**. A cook with a rank **R** can cook 1 parantha in the first R minutes 1 more parantha in the next 2R minutes, 1 more parantha in 3R minutes and so on(he can only cook a complete parantha) (For example if a cook is ranked 2.. he will cook one parantha in 2 minutes one more parantha in the next 4 mins and one more in the next 6 minutes hence in total 12 minutes he cooks 3 paranthas. In 13 minutes also he can cook only 3 paranthas as he does not have enough time for the 4th parantha). Calculate the minimum time needed to cook all the paranthas.



