

The set of strings of the form $w1^n$, where w is a string of 0's and 1's of length n .

Suppose, my id is 17101021. First two digits (17) stand for admission year 2017, then next digit (1) stand for Spring semester (i.e. 2 stands for Fall semester, 3 stands for Summer semester), then 01 which stands CSE department (0x indicates another department), and last three digits (021) stands for my class roll.

Now, write your **own id** and then write a Context Free Grammar for all the id's of your class.

Please note:

- Year is same as your admission year and **also** previous two years.
- It includes all the semesters.

The range of class roll is 001 to 999 but roll 002, 005, 012, 015, 022, 025, 992, 995 are reserved for special purpose and should **not** be included.