Problem Statement :

In a university, there is a database maintained by its Placement Cell. Training and Placement Cell has data of recruiters and students who are preparing to sit for upcoming placements.

Every student can be identified with the help of a unique roll number - for UG and PG students. There are other details of students like their name (first and last), branch of engineering, age, date of birth, e-mail address and phone number. Cell has maintained data of only those *B.Tech and M.Tech students* who are interested in sitting for placement and have given their credentials to the cell, i.e. every student will apply for at least one company. Data of every student's CGPA and backlogs (if any) are also kept in this Candidate Report.

TnP cell also maintains data of the recruiters who are going to come to the university to offer jobs to the students. Recruiters have provided the cell with the following information : Company name, Engineering branches(one or more) eligible to apply for placement (in their company), CGPA cut off, permissible backlogs, role/position offered in the company, CTC offered, location of the workplace and month of recruitment. Cell assigns a unique id to each company for flexibility in their database. *A student can apply in all the companies he/she is eligible for*. It is also possible that a company may visit the campus and not hire anyone if they don't find someone competent enough according to their profile.

Every company is going to send its representatives to supervise the recruitment process to test their work ethic. Every company has submitted the name of their representatives along with their phone number and email address. It can identify each representative with the help of a unique representative-id assigned by the cell. Note : One company may have more than one representative.

To guide students in applying for various companies, the cell provides the past records of recruiters to the students. *Past records of only those companies which have visited the campus* **this year** *as well as for placement in at least one of the past 3 years are maintained.* T&P cell also keeps a record of the number of students recruited per year as well as the CTC offered by the company for every year. Each past record is partially identified for a particular company with the help of the year it visited the campus.