## 5.SoftUni Students

Write a function that stores the **students** that signed up for different **courses** at SoftUni. For each **course,** you have to **store the name**, the **capacity,** and the **student**s that are in it. For each **student** store the **username, the email, and their credits**. The input will come as an **array of strings**. The strings will be in some of the following formats:  
**"{course name}: {capacity}"** – add the course with that capacity. If the **course exists**, **add** the **capacity** to the existing one  
**"{username}[{credits count}] with email {email} joins {course name}"** – add the student **if the course exists** (each student can be in **multiple courses**) and if there are **places left** (**count of students** are **less than the capacity**)

Finally, you should sort the courses by the **count of students** in **descending**. Each course should have its students sorted by **credits in descending**.

### Output

Print the result in the format:  
**"{course one}: {places left} places left  
--- {credits}: {username one}, {email one}  
…"**

### Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| ['JavaBasics: 2', 'user1[25] with email user1@user.com joins C#Basics', 'C#Advanced: 3', 'JSCore: 4', 'user2[30] with email user2@user.com joins C#Basics', 'user13[50] with email user13@user.com joins JSCore', 'user1[25] with email user1@user.com joins JSCore', 'user8[18] with email user8@user.com joins C#Advanced', 'user6[85] with email user6@user.com joins JSCore', 'JSCore: 2', 'user11[3] with email user11@user.com joins JavaBasics', 'user45[105] with email user45@user.com joins JSCore', 'user007[20] with email user007@user.com joins JSCore', 'user700[29] with email user700@user.com joins JSCore', 'user900[88] with email user900@user.com joins JSCore'] | JSCore: 0 places left  --- 105: user45, user45@user.com  --- 85: user6, user6@user.com  --- 50: user13, user13@user.com  --- 29: user700, user700@user.com  --- 25: user1, user1@user.com  --- 20: user007, user007@user.com  JavaBasics: 1 places left  --- 3: user11, user11@user.com  C#Advanced: 2 places left  --- 18: user8, user8@user.com |
| ['JavaBasics: 15',  'user1[26] with email user1@user.com joins JavaBasics',  'user2[36] with email user11@user.com joins JavaBasics',  'JavaBasics: 5',  'C#Advanced: 5',  'user1[26] with email user1@user.com joins C#Advanced',  'user2[36] with email user11@user.com joins C#Advanced',  'user3[6] with email user3@user.com joins C#Advanced',  'C#Advanced: 1',  'JSCore: 8',  'user23[62] with email user23@user.com joins JSCore'] | C#Advanced: 3 places left  --- 36: user2, user11@user.com  --- 26: user1, user1@user.com  --- 6: user3, user3@user.com  JavaBasics: 18 places left  --- 36: user2, user11@user.com  --- 26: user1, user1@user.com  JSCore: 7 places left  --- 62: user23, user23@user.com |