Problem 4. Books

Input / Constraints

You are asked to write a program for a **bookstore**. Your task is to **create** a software, which tells the sellers if there is a **requested** book in stock or **not**. If **there is** you should **sell** it and at the end of the workday the software should list all **sold books** and the **sum of their prices**.

A valid book has:

- Title -> **string**

- Author -> **string**

- Chapters -> **list of strings**

- Price -> **with positive floating point number or integer**

First you start receiving **strings** of books – the bookstore's **stock**, which you should **store the book if it's valid until you receive the command 'on work'**.

Then you will start **receiving** requests for **books**. **If the bookstore has that book in stock**, you should **list it as a sold book**, **if there is no such book** you should **print** -> "**No such book here**"

When you **receive** the **command 'end work'** you should **print all sold books and after that the amount of money**.

A valid book will **always** be in **format**:

"{title} {author} {price} -> {chapter1}, {chapter2}, {chapter3} ..."

A requests for a book always will be in format: "{title}"

Output

The output should be printed on the console.

For every **sold** book you should **print** the information in the following **format:**

- **"SOLD: {title of the sold book} with author {author of the sold book}. Chapters in the book {the sum of the chapters of the sold book}"**

At the end of the program you should **print the sum formatted to second digit after decimal**:

- **"Money: {sum of all sold books prices}"**

If there aren't any sold books print

- **"Bad day :("**

Constraints:

No books with same name and different authors will come as input

Examples

Input	Output	Comments
richDadPoorDad RobertKiyosaki 7.00 -> beRich, thinkDifferent, eDucateYourself, startThinking richWoman kimKiyosaki 12.00 -> launchWithMyGirls, myStory, goAndDo on work richDadPoor richDadPoorDad richWomen richWoman end work	No such book here No such book here SOLD: richDadPoorDad with author RobertKiyosaki. Chapters in the book 4 SOLD: richWoman with author kimKiyosaki. Chapters in the book 3 Money: 19.00	First book is valid, so we add it to the store. Second book is also valid, so we add it to the store richDadPoor is not in the store, so we print "no such book here" richDadPoorDad (7.00) is in the store and we sell it richWomen is not in the store, so we print "no such book here" richWoman (12.00) is in the store and we sell it The amount is 12+7 = 19
Input	**Output**	**Comments**
killAmockingBird 20.50 -> chapter1 on work richDadPoor killAmockingBird killAmockingBird richWomen end work	No such book here No such book here No such book here No such book here Bad day :(	
Input	**Output**	**Comments**
littlePrinceDataResume AntoineDeSaintExupery 7.20 -> Plot, ToneAndWritingStyle, Background, HonoursAndLegacy EatThatFrog BrianTracy 15.05 -> ApplyThePowerOfClearlyWrittenGoals, PlanEveryDayInAdvance on work littlePrinceDataResume littlePrinceDataResume littlePrinceDataResume EatThatFrog Top10Pockemons end work	No such book here SOLD: littlePrinceDataResume with author AntoineDeSaintExupery. Chapters in the book 4 SOLD: littlePrinceDataResume with author AntoineDeSaintExupery. Chapters in the book 4 SOLD: littlePrinceDataResume with author AntoineDeSaintExupery. Chapters in the book 4 SOLD: EatThatFrog with author BrianTracy. Chapters in the book 2 Money: 36.65	