Implement an algorithm that calculates the value of a portfolio for a given investor at a given date

**Description**

Your client manages portfolios of different investors. Each investor is invested in different

different types of investments, e.g. stocks, real estate, funds, where funds themselves are

are themselves invested in investments of different types. The customer now wants to use the

the value of the portfolio of an investor for a certain date with the help of the algorithm.

The value of a portfolio is composed of the value of the individual investments.

The different investment types determine their value as follows

* Share value = number of invested shares \* share price
* Real estate value = (land value + building value)
* The value of an investment in a fund is calculated from the invested

the percentage share in the fund multiplied by the value of the fund, whereby the

The value of the fund is determined by the sum of the values of its investments.

**Input**

***Investments*** contains the allocation of the different investors to their investments and the

investments of the funds.

***Transactions*** contains the transactions of the investments. For shares these are the number of

the number of shares bought or sold [Type "Shares"], for real estate the initial or modified

value [Type "Estate") or the intangible or changed value of the building [Type

Building'), and for funds, the percentage share of the funds bought or sold [Type

"Percentage"),

***Quotes*** contains the price trends of the shares. Note: Not every day has a price trend.

**Task**

Write a console application that expects the investor as input parameter via console input and calculates the value of the portfolio of the given investor at the given date.

The skeleton of the main met:

