Academic Results Prediction Function

A researcher has formulated the chance p(x) that a student x will pass a course from the number of problems solved (x0) and the GPA (x1) as follow:

$$p(x) = \frac{1}{1 + e^{-logit(x)}}$$

$$logit(x) = -3.98 + 0.1x_0 + 0.5_{x1}$$

Write the function p(x) that works according to the comments below:

```
import numpy as np

def p(x):
#x is an array with size n x 2, containing the number of
#problems solved (column 0), and GPA (column 1) of n students.
#
#Return an array with size n, containing the probability that each
#student will pass the course, calculated with the formula above.
#
#Using NumPy, will allow you to write this function without
#using loops. (The answer is no more than 3 lines).

exec(input().strip()) #This line is required for Grader to work.
```

Input

A Python command for testing the function.

Output

The result from doing the command.

Example

Input (from keyboard)	Output (on screen)
`print(p(np.array([[100, 4.00]])))`	`[0.99967129]`
`print(p(np.array([[80, 2.50], [1, 4.00]])))`	`[0.99488271 0.13238887]`