Expected Value

Overview

Type	Contents
Difficulty	Easy
Tags	#Binary #Coding
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Description

> This is a simple shellcoding challenge.
>
> Write a shellcode for x64 linux machine to evaluate an expected value.
>
> Please refer to readme.md.
>
> Download: ExpectedValue.zip

Solving strategy

We should the accumulate the product of weight and probability, but naive implementation can cause an integer overflow.

So we write a code as accumulate the integer part and the decimal part, respectively.

There can be some null bytes(0x00) while assigning integers, and you can remove them using **xor** in the same way of writing the shellcode.

Please refer to ex.py for actual instructions.