Meow Products

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Three sellers, Miaow, Miau, and Meaw, are selling three distinct products, Product A, Product B, and Product C, at prices a, b, and c respectively. Meow is selling Product D, which is a mixture of one-third of Product A, one-third of Product B, and one-third of Product C, at price d. Note that you could turn 3 Product Ds into one Product A, one Product B, and one Product C.

Being a buyer, your boss would like to spend the least amount of money to purchase x Product As, y Product Bs, and z Product Cs. It is okay to purchase more than the necessary number of products.

Input

The first line of input contains 7 space-separated integers a, b, c, d, x, y, and z ($1 \leq a, b, c, d \leq 3000$; $1 \leq x, y, z \leq 5 \cdot 10^4$)— the price of Product A, the price of Product B, the price of Product C, the price of Product D, the number of Product As to buy, the number of Product Bs, and the number of Product Cs.

Output

Output an integer — the least amount of money to purchase x Product As, y Product Bs, and z Product Cs.

Example

standard input	standard output
220 50 330 190 3 4 5	2420

Note

The optimal way is to buy 1 Product B, 2 Product Cs, and 9 Product Ds (turn into 3 Product As, 3 Product Bs, and 3 Product Cs).