

You have a hexadecimal (16 base number) string and do the following steps:

1. divide them into pairs
2. turn them into decimal
3. sum them up and print the value

hexadecimal to decimal:

Hexadecimal Decimal

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
a	10
b	11
c	12
d	13
e	14
f	15
10	17
11	18
12	19
13	20
14	21
15	22

15 22

And so on ...

HINT: use `Integer.valueOf(string, radix)` to turn string of hexadecimal number into decimal number (radix = 16)

Example 1:

Input

d3307c550b

Output

479

Hexadecimal Decimal

d3	211
30	48
7c	124
55	85
0b	11
Sum	479

For example:

Input	Result
d3307c550b	479