

$$\underline{C} = \underline{FPB} (a, b)$$

$$\underline{d} = \underline{KPK} (a, b)$$

$$KPK (a, b) = \frac{a \times b}{FPB (a, b)}$$

$$FPB (a, b) = \frac{a \times b}{KPK (a, b)}$$

$$d = \frac{ab}{c}$$

$$ab = cd \rightarrow$$

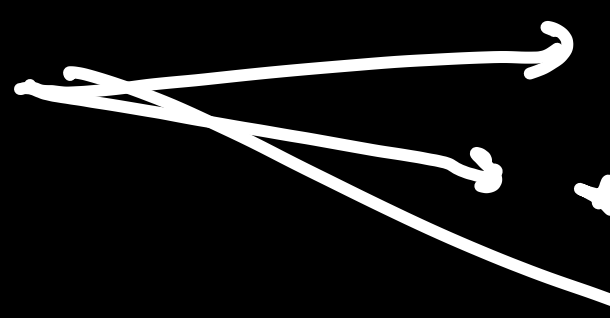
$$\frac{cd}{a} + \frac{cd}{b}$$

$$= \frac{\cancel{a}b}{\cancel{a}} + \frac{\cancel{a}b}{\cancel{b}}$$

$$= b + a$$

$$\underline{\underline{=}}$$

```
a,b = map(int, input().split())
print(a + b)
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 * Jago \rightarrow Matematis
* coba-coba itok
* Nyontek

$$\underline{c} \underline{d} = \underline{a} \underline{b}$$

$$c = \min(a, b)$$

$$d = \max(a, b)$$

Deskripsi

Diberi bilangan N. Coba hitung

$$1 + 2 + 3 + 4 + \dots + N$$

Input

N

Output

Hasil jumlah $1 + 2 + 3 + 4 + \dots + N$

Constraints

$$1 \leq N \leq 10^{23}$$

Analisis Kompleksitas

$$N = 7 \rightarrow \dots ?$$

$$N = 10^{15} \rightarrow \dots \text{TLE}$$

For loop $1 - 10^8 : \frac{1 \text{ detik}}{\downarrow}$

$> 1 \text{ detik}$

10^{23} langkah - iterasi

↓ For loop $\rightarrow 1 - 10^{23} : > 1 \text{ detik}$

* Rumus $\rightarrow N \rightarrow \text{print } \frac{N \times (N+1)}{2}$
1 langkah

