## Foydalanuvchi Ma'lumotlari

Problem K. I	King's Cup		
Input file: Output file: Time limit: Memory limit:	standard input standard output 2 seconds 1024 megabytes		
For The King's Cup in	Winter Sports, a new bi	athlon race format has been proposed.	
even). The rifle can hol all the rounds), so after the next two ranges — and between the base these two points. The also means that no two	d ammunition for only t every two shooting ram or for the finish line if s and a shooting range, the only point that the biath	and must pass through N shooting ranges (w wo shooting ranges (and can only be relauded a sys. the athlete returns to the base to get ammu ill ranges have been completed. Between shooti be blathlete can only travel in a straight line of lete is allowed to pass more than once is the ba in intersect at internal points and that the biath [).	fter firing nition for ng ranger onnecting se (which
Given the coordinates of must take from the sta		ermine the minimum length of the route that the	biathlete
Input			
The first line of the inp is even).	ut contains a single inte	ger $N$ — the number of shooting ranges (2 $\leq N$	≤ 500, A
Each of the following shooting range $(-10^6 \le$	N lines contains two int $(x_i, y_i \le 10^6)$ .	egers $x_i$ and $y_i$ — the coordinates of the corre	sponding
It is guaranteed that a on the same line.	I key points (shooting re	anges and the base) are distinct and no three or	f them lie
Output			
		ength of the route that the biathlete must take error no worse than $10^{-6}$ .	from the
Example			
standa:	rd input	standard output	
4		17.074638376	
-1 1 -1 4			
1 1			

## Asosiy Ma'lumotlar

Ism Familya	1
Telefon raqam	1
Tugʻilgan yil	1
Yo'nalish	Kompyuter mutaxassisi
Hudud	Qoraqalpog'iston Respublikasi
Millat	Boshqa
Ma'lumot	Oliy   Bakalavr
Oilaviy holat	Turmush qurgan

## Ish Tajribasi

Ish tajribasi	1
Oylik maosh	1
Muddat	1
Sudlanganmi	Sudlanmagan

## Ko'nikmalar va Dasturlar

Haydovchilik guvohnomasi	B■
Shaxsiy avtomobil	Bor
Word dasturi bilish darajasi	100 %
Excel dasturi bilish darajasi	100 %
Boshqa dasturlar bilish darajasi	Yo'q