

CSES Problem Set

Rectangle Cutting

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Submission details

Task:	Rectangle Cutting
Sender:	Rodry
Submission time:	2021-11-28 08:17:46
Language:	C++11
Status:	READY
Result:	ACCEPTED

Test results ▲

test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	ACCEPTED	0.01 s	»
#5	ACCEPTED	0.01 s	»
#6	ACCEPTED	0.08 s	»
#7	ACCEPTED	0.05 s	»
#8	ACCEPTED	0.01 s	»
#9	ACCEPTED	0.04 s	»
#10	ACCEPTED	0.01 s	»
#11	ACCEPTED	0.03 s	»
#12	ACCEPTED	0.02 s	»
#13	ACCEPTED	0.08 s	»
#14	ACCEPTED	0.01 s	»

Dynamic Programming

...	
Array Description	-
Counting Towers	-
Edit Distance	-
Rectangle Cutting	✓
Money Sums	-
Removal Game	-
Two Sets II	-
Increasing Subsequence	-

Your submissions

2021-11-28 08:17:46	✓
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test	verdict	time	
#15	ACCEPTED	0.01 s	»»
#16	ACCEPTED	0.06 s	»»
#17	ACCEPTED	0.01 s	»»
#18	ACCEPTED	0.03 s	»»
#19	ACCEPTED	0.01 s	»»
#20	ACCEPTED	0.22 s	»»
#21	ACCEPTED	0.22 s	»»
#22	ACCEPTED	0.01 s	»»
#23	ACCEPTED	0.01 s	»»
#24	ACCEPTED	0.06 s	»»
#25	ACCEPTED	0.01 s	»»
#26	ACCEPTED	0.22 s	»»

Code ▲

```

1  #include <bits/stdc++.h>
2
3  #define INF 999999
4
5  using namespace std;
6
7  int RectangleCutting(int a, int b){
8
9      int rectangulo[a+1][b+1];
10
11      for(int i=0; i<=a; i++){
12          for (int j=0; j<=b; j++) {
13
14              //Diagonalizaci
15              if (i == j) {
16                  rectangulo[i][j] = 0;
17              }
18
19              else{
20
21                  int k=1;
22                  rectangulo[i][j] = INF;
23
24                  for(k = 1; k<j; k++){

```

```

25         rectangulo[i][j] = min(rectangulo[i][j], rectangu
26     }
27
28     for(k = 1; k<i; k++){
29         rectangulo[i][j] = min(rectangulo[i][j], rectangu
30     }
31
32     }
33 }
34 }
35 return rectangulo[a][b];
36 }
37
38
39 int main() {
40
41     int a;
42     int b;
43     cin>>a>>b;
44     cout<<RectangleCutting(a,b);
45
46 }

```

[Share code to others](#)

Test details ▲

Test 1

Verdict: **ACCEPTED**

input	
2 8	 

correct output	
3	 

user output	
3	 

Test 2

Verdict: **ACCEPTED**

input	
4 4	 

correct output	
0	 

user output	
0	 

Test 3

Verdict: **ACCEPTED**

input	
1 4	 

correct output	
3	 

user output	
3	 

Test 4

Verdict: **ACCEPTED**

input	
5 8	 

|--|--|

correct output	
4	 

user output	
4	 

Test 5

Verdict: ACCEPTED

input	
5 10	 

correct output	
1	 

user output	
1	 

Test 6

Verdict: ACCEPTED

input	
404 288	 

correct output	
10	 

user output	
10	 

Test 7

Verdict: **ACCEPTED**

input	
349 234	 

correct output	
13	 

user output	
13	 

Test 8

Verdict: **ACCEPTED**

input	
180 137	 

correct output	
12	 

user output	
12	 

Test 9

Verdict: **ACCEPTED**

input	
201 348	 

|--|--|

correct output	
10	 

user output	
10	 

Test 10

Verdict: **ACCEPTED**

input	
127 36	 

correct output	
11	 

user output	
11	 

Test 11

Verdict: **ACCEPTED**

input	
159 399	 

correct output	
10	 

user output	
10	 

Test 12

Verdict: **ACCEPTED**

input	
136 284	 

correct output	
9	 

user output	
9	 

Test 13

Verdict: **ACCEPTED**

input	
415 270	 

correct output	
10	 

user output	
10	 

Test 14

Verdict: **ACCEPTED**

input	
34 162	 

|--|--|

correct output	
11	 

user output	
11	 

Test 15

Verdict: **ACCEPTED**

input	
81 229	 

correct output	
13	 

user output	
13	 

Test 16

Verdict: **ACCEPTED**

input	
297 336	 

correct output	
11	 

user output	
11	 

Test 17

Verdict: **ACCEPTED**

input	
132 46	 

correct output	
9	 

user output	
9	 

Test 18

Verdict: **ACCEPTED**

input	
425 94	 

correct output	
14	 

user output	
14	 

Test 19

Verdict: **ACCEPTED**

input	
216 114	 

|--|--|

correct output	
10	 

user output	
10	 

Test 20

Verdict: **ACCEPTED**

input	
499 500	 

correct output	
15	 

user output	
15	 

Test 21

Verdict: **ACCEPTED**

input	
500 499	 

correct output	
15	 

user output	
15	 

Test 22

Verdict: **ACCEPTED**

input	
1 500	 

correct output	
499	 

user output	
499	 

Test 23

Verdict: **ACCEPTED**

input	
1 1	 

correct output	
0	 

user output	
0	 

Test 24

Verdict: **ACCEPTED**

input	
425 225	 

|--|--|

correct output	
7	 

user output	
7	 

Test 25

Verdict: ACCEPTED

input	
218 91	 

correct output	
11	 

user output	
11	 

Test 26

Verdict: ACCEPTED

input	
500 500	 

correct output	
0	 

user output	
0	 