

Vprašanje 1

Pravilno
Točk 1,00 od 1,00
Vprašanje z zastavico

Besedilo vprašanja

Napišite program za reševanje problema 0-1 nahrbtnika z algoritmom, ki smo si ga ogledali na vajah. Program na standardnem vhodu dobi najprej prostornino nahrbtnika w in število predmetov n , nato pa naj prebere še n parov (w, v) , ki predstavljajo prostornine in vrednosti posameznih predmetov.

Na izhod programa po vsakem dodajanju predmeta izpišite perspektivne rešitve problema, urejene naraščajoče po prostornini.

For example:

Input	Result
3	
4 0: (0, 0)	
2 2 1: (0, 0) (2, 2)	
5 2 2: (0, 0) (2, 2)	
4 0 3: (0, 0) (2, 2)	
5 3 4: (0, 0) (2, 2)	
9	
6 0: (0, 0)	
3 5 1: (0, 0) (3, 5)	
12 0 2: (0, 0) (3, 5)	
6 5 3: (0, 0) (3, 5) (9, 10)	
15 6 4: (0, 0) (3, 5) (9, 10)	
10 7 5: (0, 0) (3, 5) (9, 10)	
14 4 6: (0, 0) (3, 5) (9, 10)	

Answer:(penalty regime: 0 %)

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Pripombe

Input	Expected	Got
3		
4 0: (0, 0)		0: (0, 0)
2 2 1: (0, 0) (2, 2)		1: (0, 0) (2, 2)
5 2 2: (0, 0) (2, 2)		2: (0, 0) (2, 2)
4 0 3: (0, 0) (2, 2)		3: (0, 0) (2, 2)
5 3 4: (0, 0) (2, 2)		4: (0, 0) (2, 2)
9		
6 0: (0, 0)		0: (0, 0)
3 5 1: (0, 0) (3, 5)		1: (0, 0) (3, 5)
12 0 2: (0, 0) (3, 5)		2: (0, 0) (3, 5)
6 5 3: (0, 0) (3, 5) (9, 10)		3: (0, 0) (3, 5) (9, 10)
15 6 4: (0, 0) (3, 5) (9, 10)		4: (0, 0) (3, 5) (9, 10)
10 7 5: (0, 0) (3, 5) (9, 10)		5: (0, 0) (3, 5) (9, 10)
14 4 6: (0, 0) (3, 5) (9, 10)		6: (0, 0) (3, 5) (9, 10)
12		
7 0: (0, 0)		0: (0, 0)
24 11 1: (0, 0)		1: (0, 0)
9 12 2: (0, 0) (9, 12)		2: (0, 0) (9, 12)
11 10 3: (0, 0) (9, 12)		3: (0, 0) (9, 12)
21 2 4: (0, 0) (9, 12)		4: (0, 0) (9, 12)
9 12 5: (0, 0) (9, 12)		5: (0, 0) (9, 12)
8 1 6: (0, 0) (8, 1) (9, 12)		6: (0, 0) (8, 1) (9, 12)
4 1 7: (0, 0) (4, 1) (9, 12)		7: (0, 0) (4, 1) (9, 12)
14		
7 0: (0, 0)		0: (0, 0)
25 4 1: (0, 0)		1: (0, 0)
3 7 2: (0, 0) (3, 7)		2: (0, 0) (3, 7)
1 1 3: (0, 0) (1, 1) (3, 7) (4, 8)		3: (0, 0) (1, 1) (3, 7) (4, 8)
24 0 4: (0, 0) (1, 1) (3, 7) (4, 8)		4: (0, 0) (1, 1) (3, 7) (4, 8)
7 11 5: (0, 0) (1, 1) (3, 7) (4, 8) (7, 11) (8, 12) (10, 18) (11, 19)		5: (0, 0) (1, 1) (3, 7) (4, 8) (7, 11) (8, 12) (10, 18) (11, 19)
6 3 6: (0, 0) (1, 1) (3, 7) (4, 8) (7, 11) (8, 12) (10, 18) (11, 19)		6: (0, 0) (1, 1) (3, 7) (4, 8) (7, 11) (8, 12) (10, 18) (11, 19)
21 5 7: (0, 0) (1, 1) (3, 7) (4, 8) (7, 11) (8, 12) (10, 18) (11, 19)		7: (0, 0) (1, 1) (3, 7) (4, 8) (7, 11) (8, 12) (10, 18) (11, 19)

Input	Expected	Got
14		
8	0: (0, 0)	0: (0, 0)
22 2	1: (0, 0)	1: (0, 0)
3 1	2: (0, 0) (3, 1)	2: (0, 0) (3, 1)
11 7	3: (0, 0) (3, 1) (11, 7) (14, 8)	3: (0, 0) (3, 1) (11, 7) (14, 8)
13 1	4: (0, 0) (3, 1) (11, 7) (14, 8)	4: (0, 0) (3, 1) (11, 7) (14, 8)
7 12	5: (0, 0) (3, 1) (7, 12) (10, 13)	5: (0, 0) (3, 1) (7, 12) (10, 13)
3 14	6: (0, 0) (3, 14) (6, 15) (10, 26) (13, 27)	6: (0, 0) (3, 14) (6, 15) (10, 26) (13, 27)
26 7	7: (0, 0) (3, 14) (6, 15) (10, 26) (13, 27)	7: (0, 0) (3, 14) (6, 15) (10, 26) (13, 27)
25 1	8: (0, 0) (3, 14) (6, 15) (10, 26) (13, 27)	8: (0, 0) (3, 14) (6, 15) (10, 26) (13, 27)
15		
10	0: (0, 0)	0: (0, 0)
27 2	1: (0, 0)	1: (0, 0)
9 11	2: (0, 0) (9, 11)	2: (0, 0) (9, 11)
19 11	3: (0, 0) (9, 11)	3: (0, 0) (9, 11)
24 1	4: (0, 0) (9, 11)	4: (0, 0) (9, 11)
20 2	5: (0, 0) (9, 11)	5: (0, 0) (9, 11)
28 12	6: (0, 0) (9, 11)	6: (0, 0) (9, 11)
13 1	7: (0, 0) (9, 11)	7: (0, 0) (9, 11)
28 12	8: (0, 0) (9, 11)	8: (0, 0) (9, 11)
7 9	9: (0, 0) (7, 9) (9, 11)	9: (0, 0) (7, 9) (9, 11)
19 1	10: (0, 0) (7, 9) (9, 11)	10: (0, 0) (7, 9) (9, 11)
15		
13	0: (0, 0)	0: (0, 0)
9 6	1: (0, 0) (9, 6)	1: (0, 0) (9, 6)
24 11	2: (0, 0) (9, 6)	2: (0, 0) (9, 6)
14 15	3: (0, 0) (9, 6) (14, 15)	3: (0, 0) (9, 6) (14, 15)
20 11	4: (0, 0) (9, 6) (14, 15)	4: (0, 0) (9, 6) (14, 15)
6 14	5: (0, 0) (6, 14) (14, 15) (15, 20)	5: (0, 0) (6, 14) (14, 15) (15, 20)
21 7	6: (0, 0) (6, 14) (14, 15) (15, 20)	6: (0, 0) (6, 14) (14, 15) (15, 20)
25 3	7: (0, 0) (6, 14) (14, 15) (15, 20)	7: (0, 0) (6, 14) (14, 15) (15, 20)
18 11	8: (0, 0) (6, 14) (14, 15) (15, 20)	8: (0, 0) (6, 14) (14, 15) (15, 20)
13 3	9: (0, 0) (6, 14) (14, 15) (15, 20)	9: (0, 0) (6, 14) (14, 15) (15, 20)
29 4	10: (0, 0) (6, 14) (14, 15) (15, 20)	10: (0, 0) (6, 14) (14, 15) (15, 20)
20 15	11: (0, 0) (6, 14) (14, 15) (15, 20)	11: (0, 0) (6, 14) (14, 15) (15, 20)
23 6	12: (0, 0) (6, 14) (14, 15) (15, 20)	12: (0, 0) (6, 14) (14, 15) (15, 20)
4 1	13: (0, 0) (4, 1) (6, 14) (10, 15) (15, 20)	13: (0, 0) (4, 1) (6, 14) (10, 15) (15, 20)

Passed all tests!

Question author's solution (Java):

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Pravilno

Točke za ta prispevek: 1,00/1,00.