

Nesting Rectangles

i	x	y	N(i)	Max_Now	R(i)	A(i)
0	0	0				
1	12	48				
2	22	32				
3	23	76				
4	24	71				
5	26	88				
6	27	55				
7	27	90				
8	31	64				
9	31	98				
10	41	57				
11	47	51				
12	51	75				
13	53	61				
14	61	63				
15	63	97				
16	64	82				
17	68	73				
18	68	98				
19	69	95				
20	79	81				

$$N(i) = \max \# \text{ of rectangles that fit in rectangle } (i)$$

Max_Now = global property, the maximum number of rectangles that fit

$R(i)$ = index of the largest rectangle (largest in x) that has the largest number of nested rectangles

$A(i)$ = indices of actual rectangles that fit