

A diagram of a full binary tree with 16 leaf nodes, representing a Huffman tree structure. The tree has a root node at the top, which branches into two nodes. Each of these nodes branches into two more nodes, and so on, resulting in a total of 16 leaf nodes at the bottom level. The nodes are represented by blue circles, and the edges are black lines.

RESOURCES

Contest has ended.

1	*	34.9mb 103ms	2	*	37.9mb 181ms	3	*	38.5mb 179ms	4	*	38.0mb 185ms	5	*	59.8mb 1083ms	6	*	59.1mb 1103ms	7	*	59.8mb 1038ms	8	*	59.8mb 1089ms	9	*	59.1mb 1072ms	10	*	59.3mb 1081ms	11	*	59.3mb 1073ms	12	*	59.2mb 1116ms
												13	*	59.9mb 1135ms																					

 $1/2$

0
5
183
60

Consider the second test case in the sample. 48 should be counted because 48 chain rounded to the nearest 10^2 is 100 (48 \rightarrow 50 \rightarrow 100), but 48 rounded to the nearest 10^2 is 0.

In the third test case, two integers counted are 48 and 480. 48 chain rounds to 100 instead of to 0 and 480 chain rounds to 1000 instead of 0. However, 67 is not counted since it chain rounds to 100 which is 67 rounded to the nearest 10^2 .

SCORING:

- Inputs 2-4: $N \leq 10^3$
- Inputs 5-7: $N \leq 10^6$
- Inputs 8-13: No additional constraints.

Problem credits: Weiming Zhou

Contest has ended. No further submissions allowed.

Previous Submissions:

Sun, Dec 15, 2024 18:12:14 EST (Java)