**Input**

Unit: meter

Size length of Standard bar:

Size length of each divided bar: ${bars}

**Output**

The minimum number of standard bars needed: 11

DIVIDING METHOD

METHOD 1

* 5 \* (Each bar is divided into segments of L1)
* 2 \* (Each bar is divided into segments of 3 \* L2)
* 1 \* (Each bar is divided into segments of 1 \* L2 , 2 L3)
* 2 \* (Each bar is divided into segments of 3 L3)
* 1 \* (Each bar is divided into segments of 1 L3)

Remaining segments: 3 \* 1.2m , 12 \* 2.1m

METHOD 2

* 5 \* (Each bar is divided into segments of L1)
* 2 \* (Each bar is divided into segments of 3 \* L2)
* 1 \* (Each bar is divided into segments of 1 \* L2 , 2 L3)
* 1 \* (Each bar is divided into segments of 3 L3)
* 2 \* (Each bar is divided into segments of 2 L3)

Remaining segments: 3 \* 1.2m , 12 \* 2.1m