Problem H

Hour for a Run

Vinicius takes his fitness very seriously, and every morning at 6 a.m., rain or shine, in summer and winter, he runs in a track around a pond. Along the race track there are N equally spaced signs. To not be discouraged from exercising, Vinicius counts the number of signs he has passed and checks to see if he has run at least 10%, at least 20%, ..., at least 90% of his training.

Let's help Vinicius by calculating for him the number of signs he needs to count to have completed at least 10%, 20%, ..., 90% of his training, given the number of laps he wants to run and the total number of signs along the track.

For example, suppose Vinicius wants to run 3 laps and the track has 17 signs. To ensure that he has run at least 30% of his training, he needs to count 16 signs. To guarantee at least 60%, he needs to count 31 signs.

Input

The input consists of a single line, which contains two integers, V and N ($1 \leq V, N \leq 10^4$), where V is the desired number of laps and N is the number of signs along the track.

Output

Your program must output a single line, containing nine integers, representing the numbers of signs that must be counted to ensure that at least 10%, 20%, ..., 90% of the training has been completed, respectively.

Input example 1	**Output example 1**
`3 17`	`6 11 16 21 26 31 36 41 46`

Input example 2	**Output example 2**
`5 17`	`9 17 26 34 43 51 60 68 77`

Input example 3	**Output example 3**
`3 11`	`4 7 10 14 17 20 24 27 30`