



QB code



Beavers want to encode numbers for keeping track of how many trees they have chewed down. Therefore, they developed the Quick Beaver code (QB code). This is a graphical code consisting of nine squares in a 3×3 arrangement. Each position means a different value. The squares are ordered row-by-row from bottom to top, and on each row from right to left. The next square has double the value of the square before. In the example, you see the values of the first five squares.

...
...	16	8
4	2	1

To encode a number, the beavers darken some squares. The number encoded is the sum of the values of the dark squares. For example, the number encoded in this QB code is 17:

	■	
		■

QUESTION

Which QB code encodes the largest number?

A.

		■
■		
	■	

B.

■		
		■
	■	

C.

	■	
		■
■		

D.

	■	
■		
		■

