

Title: Choose Your Battles...

Description: The key to surviving a fight is location, location, location. Our most talented general began planning where to send troops of different sizes, but, on account of being assassinated, her work was left unfinished.

You must finish her work by dividing the 9x9 grid into rectangular sections such that each section contains exactly one number, and that number represents the area of the rectangle.

				2			2	
	4					2	2	4
4		4			4			
							2	
	4						4	2
4					5			
						4		
		4						
	3			16		2		3

The general also wrote the following next to the grid:
 “rx = the number of rectangles that intersect row x”

$$r1 + 1001111 = \underline{\hspace{2cm}}$$

$$r2 + 1011001 = \underline{\hspace{2cm}}$$

$$r3 + 1100100 = \underline{\hspace{2cm}}$$

$$r4 + 1100100 = \underline{\hspace{2cm}}$$

$$r5 + 1110010 = \underline{\hspace{2cm}}$$

$$r6 + 1101011 = \underline{\hspace{2cm}}$$

$$r7 + 1100010 = \underline{\hspace{2cm}}$$

$$r8 + 1011110 = \underline{\hspace{2cm}}$$

$$r9 + 1101110 = \underline{\hspace{2cm}}$$