—ga— is a binary format as an istruction set similar to a sort of assembler language that describes simple graphic objects like lines and rectangles. This file contains tests aiming to check the pdfliteral driver capability to render such ga streams—usually a Lua array.

The pdfliteral driver directly inserts PDF vector graphic primitives within the output and should be intented as the "native" driver of barracuda package.

The complete reference of the --ga- format is available through out the content of the "ga-grammar.tex" file.

Please note that all dimensions are in scaled point, the very small T_EX internal unit, in fact we have that 65536sp = 1pt.

Running the source file with luatex. The typesetting engine executes the directlua macro, so vector graphics appear in the PDF output file.

Let's start drawing an horizontal line 100pt long: or two different parallel lines 24pt long: and again two horizontal lines 10pt thick, touching a corner: Several vertical lines with its horizontal limits: Finally a little rectangle: Test number 1: a vbar 2pt width, 20pt height: Test number 2: ten vbars in a row equally spaced by 10pt: Test number 3: two series of vbars 10pt and 5pt large: Test number 4: a bunch of thin vertical bars (25): ATest number 5: two rows of a bunch of thin bars: Test number 6: staircase of Vbars (manually data definition): Test number 7: vbars with spaced text, in three different rows: Test number 8: spaced text (checking the correct vertical alignment):



Test number 12: text_xwidth opcode: $|0 \ 1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ 8 \ 9|$ $|0 \ 9|$

Test number 13: text_xwidth with different size:

					66789				
			012	234	561	789			
		$0 \ 1$	2^{-1}	34	5.6	578	39		
	0	1 2	2 3	4	5	6 7	7 8	9	
0	1	2	3	4	5	6	7	8	-9

Test number 14: place bars and text as text_xwidth:

0		$\frac{1}{2}$	3	4	5	6	7	8	9
0	1	2	3	 x 	5	6	7	8	

Test number 15: place text_xwidth when text is only two chars long: $|0 \> \ 8|$