

Html generated by [Symphony EDA](#) Sonata for 'C:/Users/welly/Documents/GitHub/LT38A/pratica06/simili/arquitetura.vhdl'
Source file last modified on Mon Dec 04 22:52:00 Hora oficial do Brasil 2023

Note: Use IE 5+ or Netscape 6+ or Mozilla Firefox for best results

```
1  library ieee;
2  use ieee.numeric_std.all;
3  use ieee.std_logic_1164.all;
4
5  entity arquitetura is
6      port(
7          A,B: in unsigned(7 downto 0);
8          En: in bit;
9          sel: in bit_vector(1 downto 0);
10         inibi: in bit;
11
12         inibedsevenSeg0,inibedsevenSeg1,inibedsevenSeg2: out std_logic_vector(6 downto 0)
13     );
14 end entity;
15
16 architecture behavior of arquitetura is
17
18     component entrada is
19         port(
20             A,B: in unsigned(7 downto 0);
21             En: in bit;
22             Ae,Be: out unsigned(7 downto 0)
23         );
24     end component;
25
26     component sistema is
27         port(
28             A,B: in unsigned(7 downto 0);
29             Q,R: out std_logic_vector(7 downto 0)
30         );
31     end component;
32
33     component saida is
34         port(
35             dividendo,divisor: in unsigned(7 downto 0);
36             quociente,resto: in std_logic_vector(7 downto 0);
37             sel: in bit_vector(1 downto 0);
38             inibi: in bit;
39
40             inibedsevenSeg0,inibedsevenSeg1,inibedsevenSeg2: out std_logic_vector(6 downto 0)
41         );
42     end component;
43
44     signal Ae,Be: unsigned(7 downto 0);
45     signal Q,R: std_logic_vector(7 downto 0);
46
47     begin
48
49         entrada01: entrada port map(A,B,En,Ae,Be);
50         sistema01: sistema port map(Ae,Be,Q,R);
51         saida01: saida port map(Ae,Be,Q,R,sel,inibi,inibedsevenSeg0,inibedsevenSeg1,inibedsevenSeg2);
52
53     end architecture;
54
```

Note: Modifying your display preferences for the text editor in Sonata will correspondingly modify the look and feel of the generated HTML file. Also, to properly print background colors, you may have to enable a setting in your browser (especially IE users).

