DECODER

```
🗸 aemultiplexer.vna \Lambda 💛 en_wout_priority.vna \Lambda 💛 en_wpriority.vna 🗛
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         library IEEE;
         use IEEE.STD_LOGIC_1164.ALL; use IEEE.STD_LOGIC_ARITH.ALL;
  2
         use IEEE.STD_LOGIC_UNSIGNED.ALL;
      pentity decoder is
Port (s: in
V: out
  5
            Port ( s : in STD_LOGIC_VECTOR (2 downto 0);
  6
  7
                          y : out STD_LOGIC_VECTOR (7 downto 0));
        Lend decoder;
  8
  9
         architecture Behavioral of decoder is
 10
       ⊟begin
 11
         with s select
        y<="00000001" when "000",
"0000010" when "001",
"0000100" when "010",
"00001000" when "011",
"00010000" when "100",
12
13
 14
15
16
       "00010000" when "100",
"00100000" when "101",
"01000000" when "110",
"10000000" when "111",
"00000000" when others;
17
18
19
 20
 21
         end Behavioral;
```



