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BSCpE-3A

ENCODER WITHOUT PRIORITY

```
1  library IEEE;
2  use IEEE.STD_LOGIC_1164.ALL;
3  use IEEE.STD_LOGIC_ARITH.ALL;
4  use IEEE.STD_LOGIC_UNSIGNED.ALL;
5  entity en_wout_priority is
6  Port ( i : in  STD_LOGIC_VECTOR (7 downto 0);
7        y : out STD_LOGIC_VECTOR (2 downto 0));
8  end en_wout_priority;
9  architecture Behavioral of en_wout_priority is
10 begin
11 with i select
12 y<="000" when "00000001",
13 "001" when "00000010",
14 "010" when "00000100",
15 "011" when "00001000",
16 "100" when "00010000",
17 "101" when "00100000",
18 "110" when "01000000",
19 "111" when others;
20 end Behavioral;
```

