```
49      component display_driver is
50          port(price : in  unsigned(5 downto 0);
51               sum   : in  unsigned(5 downto 0);
52               an    : out std_logic_vector(3 downto 0);
53               reset : in  std_logic;
54               clock : in  std_logic;
55               clk_3 : in  std_logic;
56               alarm : in  std_logic;
57               cola  : in  std_logic;
58               hash  : in  std_logic;
59               aqua  : in  std_logic;
60               led   : out std_logic_vector(1 to 8));
61      end component;
62
63      component input_synchronizer is
64          port(clock     : in  std_logic;
65               buy_btn   : in  std_logic;
66               buy_out   : out std_logic;
67               coin1_btn : in  std_logic;
68               coin1_out : out std_logic;
69               coin2_btn : in  std_logic;
70               coin2_out : out std_logic;
71               coin5_btn : in  std_logic;
72               coin5_out : out std_logic;
73               cola_sw   : in  std_logic;
74               cola_out  : out std_logic;
75               hash_sw   : in  std_logic;
76               hash_out  : out std_logic;
77               aqua_sw   : in  std_logic;
78               aqua_out  : out std_logic;
79               Reset     : in  std_logic);
80
81      end component;
82
83      component processing_unit is
84          port(clock      : in  std_logic;
85               buy        : in  std_logic;
86               coin1      : in  std_logic;
87               coin2      : in  std_logic;
88               coin5      : in  std_logic;
89               price_cola : in  std_logic;
90               price_hash : in  std_logic;
91               price_aqua : in  std_logic;
92               Reset      : in  std_logic;
93               sum_out    : out unsigned(5 downto 0);
94               price_out  : out unsigned(5 downto 0);
95               alarm_out  : out std_logic;
96               cola_out   : out std_logic;
```