```
49      -- This process sets the price of the 3 products. When one of the
50      -- price_'product' signals are asserted, the 'product' signal is set
51      -- to '1', which will cause 'product'_count to keep adding + 1 on
52      -- every clock, until its MSB = '1' and the 'product' signal will be
53      -- set back to '0'. For both the price_'product' and the 'product'
54      -- signals, cola overrules hash, which overrules aqua.
55      ------------------------------------------------------------------------
56
57      process(price_cola, price_hash, price_aqua, clock)
58      begin
59          if rising_edge(clock) then
60              if price_cola = '1' then
61                  cola  <= '1';
62                  price <= "010010";
63              elsif price_hash = '1' then
64                  hash  <= '1';
65                  price <= "110111";
66              elsif price_aqua = '1' then
67                  aqua  <= '1';
68                  price <= "001100";
69              elsif cola = '1' then
70                  cola_count <= cola_count_next;
71                  if cola_count(10) = '1' then
72                      cola       <= '0';
73                      cola_count <= "00000000000";
74                  end if;
75              elsif hash = '1' then
76                  hash_count <= hash_count_next;
77                  if hash_count(10) = '1' then
78                      hash       <= '0';
79                      hash_count <= "00000000000";
80                  end if;
81              elsif aqua = '1' then
82                  aqua_count <= aqua_count_next;
83                  if aqua_count(10) = '1' then
84                      aqua       <= '0';
85                      aqua_count <= "00000000000";
86                  end if;
87              end if;
88          end if;
89          cola_out <= cola;
90          hash_out <= hash;
91          aqua_out <= aqua;
92      end process;
93
94      ------------------------------------------------------------------------
95      -- This process adds the coin value to sum when a coin input is
96      -- asserted. If buy is asserted sum will be deducted from price,
```