

```
7  entity EN_LACG4 is
8      generic (N: natural := 4);
9      port (
10          Gin, Pin : in std_logic_vector (N-1 downto 0);
11          Gout, Pout : out std_logic;
12          Cin : in std_logic;
13          C : out std_logic_vector (N-1 downto 1)
14      );
15 end EN_LACG4;
```