

```
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;
```