```vhdl
LIBRARY IEEE;
USE IEEE.STD_LOGIC_1164.ALL;

ENTITY GEN_RLEFT IS
    PORT ( DATA1_IN :  IN STD_LOGIC_VECTOR(31 DOWNTO 0);
           RESULT   : OUT STD_LOGIC_VECTOR(31 DOWNTO 0));-- OVERFLOW
END GEN_RLEFT;

ARCHITECTURE BEHAVIORAL OF GEN_RLEFT IS

  SIGNAL HOLDER : STD_LOGIC_VECTOR(32 DOWNTO 0):= "000000000000000000000000000000000";

BEGIN

 GEN :
   FOR N IN 31 DOWNTO 1 GENERATE
   OTHER :
     ENTITY WORK.SLEFT(BEHAVIOR)
     PORT MAP(A => DATA1_IN(N), S => HOLDER(N));
 END GENERATE GEN;
 --
 RESULT(31 DOWNTO 0) <= HOLDER(32 DOWNTO 1);
END BEHAVIORAL;

```