

PROCESS (a)

BEGIN

CASE a IS

WHEN "000" => y<= "00000001";

WHEN "001" => y<= "00000010";

WHEN "010" => y<= "00000100";

WHEN "011" => y<= "00001000";

WHEN "100" => y<= "00010000";

WHEN "101" => y<= "00100000";

WHEN "110" => y<= "01000000";

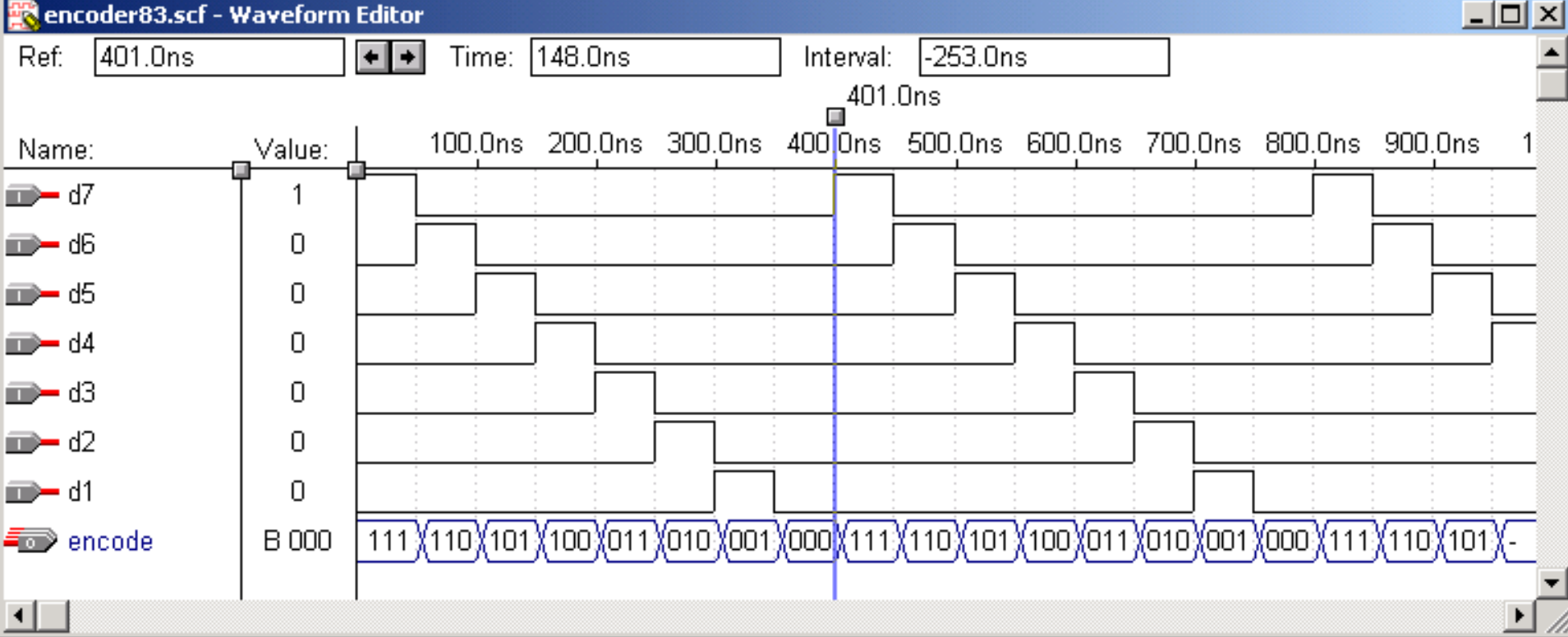
WHEN "111" => y<= "10000000";

WHEN OTHERS =>null ;

END CASE;

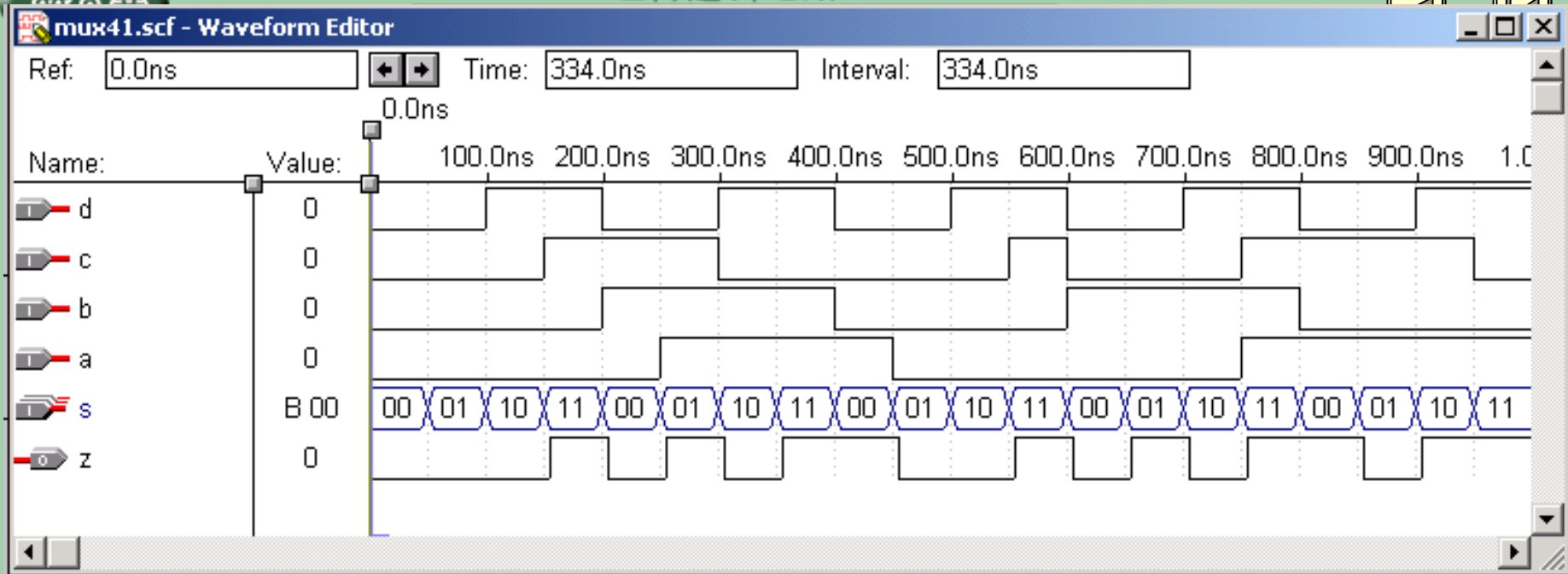
END PROCESS;

END one;



```
encode <= "111" when d(7) = '1' else  
"110" when d(6) = '1' else  
"101" when d(5) = '1' else  
"100" when d(4) = '1' else  
"011" when d(3) = '1' else  
"010" when d(2) = '1' else  
"001" when d(1) = '1' else  
"000" when d(0) = '1' ;
```

END one;



```

BEGIN
CASE s IS
  WHEN "00" => z<= a;
  WHEN "01" => z<= b;
  WHEN "10" => z<= c;
  WHEN "11" => z<= d;
  WHEN OTHERS => z<= 'x';
END CASE;
END PROCESS;
END one;

```