

```

    assert(tb_s = "00000000000000000000000000000000") report ("Test 2 ikke riktig,
feil sum") severity failure;
    assert(tb_cout = '1') report ("Test 2 ikke riktig, feil carry") severity
failure;

```



```

    wait for 10 ns;
    tb_a <= ("01000000000000000000000000000000");
    tb_b <= ("01000000000000000000000000000000");
    tb_cin <= '0';
    wait for 10 ns;
    assert(tb_s = "10000000000000000000000000000000") report ("Test 9 ikke riktig,
feil sum") severity failure;
    assert(tb_cout = '0') report ("Test 9 ikke riktig, feil carry") severity
failure;

    wait for 10 ns;
    tb_a <= ("01000000000000000000000000000001");
    tb_b <= ("00110000000000000000000000000001");
    tb_cin <= '0';
    wait for 10 ns;
    assert(tb_s = "0111000000000000000000000000010") report ("Test 10 ikke riktig,
feil sum") severity failure;
    assert(tb_cout = '0') report ("Test 10 ikke riktig, feil carry") severity
failure;
    wait for 10 ns;

    report("Ferdig!") severity note;
    std.env.stop;
end process;
end architecture behavioral;

```