NS I DZ | DII DO

- x - x 0 x \* 0X0 kk 10x7 e- o x o x o x < - x O y ko,

x o xo xxo x - x 164-0xx

x - x0x \* NX5 x \ \* \*

|QI| QO1 slala

12 loli

QIQ0 oi

*—*

| O*o*

|

10

0

IQ2

П*о х х*

x

*(*т" - @z ) + ( Q" - *Qo*' . Q2)

DIE

oo , от 1 *o*o 1 т т *о* от хо

OXXO

(@' - Qo' . Q2")

22:

огоо

Чx | Х Х |

(Q1 - Qo') + ( Qo' . *Q2*) + ( @2" - 2" *. @о*

DO | Next State

IQ2 QI QO oo To 0 100

c-070770

ooooooooo

LO JOJO

LIITO

10 01

Does

not

cause

any

issues.

assigned in binary or even

such LSB

that indicates

I

States are number is whether odd 0,= DO Oz = DO'

Baby bibo 100 | OLLO 10o lolo lo lo lol lolo lo to

(bz .bz ) + ( bz • b,) T= bz • (b, + bc)

. b)

Any the

from

results between 10K 15 inclusive

binary carry is different

the BCD cama

Not

**val**

»

-

Carry

-

c)

4

+9

=13

0 100 I 001 + Toi

in

binay

bool\_

0011

in BCD

3

+

8

=

1

00 l ī000 t

To

in

in

binay BCD

0001 0001

3

+9

=

12

00 TL TO DI

I 00

**LRT**

in

binary

0001

0010

in BCD

if

Add carry

ollo is

to not

the result a valid BCD

ya

tube

F Add

least significan

Valid ВС)?

add

L

E

(Ux)

moso,

significa

bits

arry

out

4 bit ladd

o

s

Carry in Cinitially o)