

```
$ ck replay experiment:f14372bd49376cd5 --point=05df924a4f02adc2
```

**Compiler flags before reduction:** -O3 -fno-function-sections -fno-gcse-lm -fcheck-data-deps  
-fno-gcse-sm -fno-ivopts -fzero-initialized-in-bss -fomit-frame-pointer -frename-registers  
-frounding-math -fno-tree-coalesce-vars -fno-tree-forwprop -funsafe-math-optimizations

### **GCC 4.9.2 on RPi3 crashes:**

(Number of distance vectors differ: Banerjee has 1, Omega has 0.

Banerjee dist vectors:

4

Omega dist vectors:

data dependence relation:

(Data Dep:

#(Data Ref:

# bb: 5

# stmt: \_59 = \*p\_57;

# ref: \*p\_57;

# base\_object: \*in\_22(D) + ((sizetype) x\_size\_6(D) + (sizetype)  
pretmp\_1219);

# Access function 0: {1B(OVF), +, 1}\_2

#)

#(Data Ref:

# bb: 5

# stmt: \_90 = \*p\_82;

# ref: \*p\_82;

# base\_object: \*in\_22(D) + ((sizetype) x\_size\_6(D) + (sizetype)  
pretmp\_1219);

# Access function 0: {5B(OVF), +, 1}\_2

#)

access\_fn\_A: {1B(OVF), +, 1}\_2

access\_fn\_B: {5B(OVF), +, 1}\_2

(subscript

iterations\_that\_access\_an\_element\_twice\_in\_A: [4 + 1 \* x\_1]

last\_conflict: 2147483637

iterations\_that\_access\_an\_element\_twice\_in\_B: [0 + 1 \* x\_1]

last\_conflict: 2147483637

(Subscript distance: 4 ))

inner loop index: 0

loop nest: (2 )

)

)

../susan.c: In function 'susan\_principle':

../susan.c:495:6: internal compiler error: in

compute\_affine\_dependence, at tree-data-ref.c:4253

void susan\_principle(uchar\* in, int\* r, uchar\* bp,

^

*Please submit a full bug report,*

*with preprocessed source if appropriate.*

*See <file:///usr/share/doc/gcc-4.9/README.Bugs> for instructions.*

*Preprocessed source stored into /tmp/ccW0PUrM.out file, please attach  
this to your bugreport.*

```
$ ck replay experiment:f14372bd49376cd5 --point=05df924a4f02adc2 --reduce_bug
```

**Compiler flags after reduction:** -O3 -fcheck-data-deps