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.

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