

test family	test	allowed behaviour			observed behaviour cerb (simple alloc)		
		PNVI-plain	PNVI-ae	PNVI-ae-udi	PNVI-plain	PNVI-ae	PNVI-ae-udi
1	provenance_basic_global_xy.c	UB				no trigger	
	provenance_basic_global_yx.c	UB	UB	UB	UB (line 9)	UB (line 9)	UB (line 9)
	provenance_basic_auto_xy.c	UB				no trigger	
	provenance_basic_auto_yx.c	UB			UB (line 9)	UB (line 9)	UB (line 9)
2	cheri_03_ii.c	defined					
3	pointer_offset_from_ptr_subtraction_global_xy.c	UB (ptrdiff)	UB (ptrdiff)	UB (ptrdiff)	UB (ptrdiff)	UB (ptrdiff)	UB (ptrdiff)
	pointer_offset_from_ptr_subtraction_global_yx.c	UB (ptrdiff)			UB (ptrdiff)	UB (ptrdiff)	UB (ptrdiff)
	pointer_offset_from_ptr_subtraction_auto_xy.c	UB (ptrdiff)			UB (ptrdiff)	UB (ptrdiff)	UB (ptrdiff)
	pointer_offset_from_ptr_subtraction_auto_yx.c	UB (ptrdiff)			UB (ptrdiff)	UB (ptrdiff)	UB (ptrdiff)
4	provenance_equality_global_xy.c	defined ND				no trigger	
	provenance_equality_global_yx.c	defined ND			defined ND	defined ND	defined ND
	provenance_equality_auto_xy.c	defined ND					
	provenance_equality_auto_yx.c	defined ND					
	provenance_equality_global_fn_xy.c	defined ND					
	provenance_equality_global_fn_yx.c	defined ND					
5	provenance_roundtrip_via_intptr_t.c	defined			defined	defined	defined
6	provenance_basic_using_uintptr_t_global_xy.c	defined					
	provenance_basic_using_uintptr_t_global_yx.c	defined					
	provenance_basic_using_uintptr_t_auto_xy.c	defined					
	provenance_basic_using_uintptr_t_auto_yx.c	defined					
7	pointer_offset_from_int_subtraction_global_xy.c	defined					
	pointer_offset_from_int_subtraction_global_yx.c	defined					
	pointer_offset_from_int_subtraction_auto_xy.c	defined					
	pointer_offset_from_int_subtraction_auto_yx.c	defined					
8	pointer_offset_xor_global.c	defined			defined	defined	defined
	pointer_offset_xor_auto.c	defined			defined	defined	defined
9	provenance_tag_bits_via_uintptr_t_1.c	defined			defined	defined	defined
10	pointer_arith_algebraic_properties_2_global.c	defined			defined	defined	defined
11	pointer_arith_algebraic_properties_3_global.c	defined			defined	defined	defined
12	pointer_copy_memcpy.c	defined			defined	defined	defined
13	pointer_copy_user_dataflow_direct_bytewise.c	defined			defined	defined	defined
13	provenance_tag_bits_via_repr_byte_1.c	defined	defined	defined	defined	defined	defined
15	pointer_copy_user_ctrlflow_bytewise.c	defined			defined	defined	defined
16	pointer_copy_user_ctrlflow_bitwise.c	defined			defined	defined	defined
17	provenance_equality_uintptr_t_global_xy.c	defined					
	provenance_equality_uintptr_t_global_yx.c	defined					
	provenance_equality_uintptr_t_auto_xy.c	defined					
	provenance_equality_uintptr_t_auto_yx.c	defined					
18	provenance_union_punning_2_global_xy.c	defined				no trigger	
	provenance_union_punning_2_global_yx.c	defined			defined	UB (line 16, deref)	UB (line 16, store)
	provenance_union_punning_2_auto_xy.c	defined				no trigger	
	provenance_union_punning_2_auto_yx.c	defined			defined	UB (line 16, deref)	UB (line 16, store)
19	provenance_union_punning_3_global.c	defined	defined	defined	defined	defined	defined
20	provenance_via_io_percentp_global.c						
21	provenance_via_io_bytewise_global.c						
22	provenance_via_io_uintptr_t_global.c						
23	pointer_from_integer_1pg.c	UB			UB in one exec	UB in one exec (line 7)	UB in one exec (line 7)
24	pointer_from_integer_1ig.c	defined			defined (j = 7)	UB (line 8)	UB (line 8)
25	pointer_from_integer_1p.c	UB			UB (line 6)	UB (line 6)	UB (line 6)
26	pointer_from_integer_1i.c				defined (j = 7)	UB (line 7)	UB (line 7)
27	pointer_from_integer_1ie.c				defined (j = 7)	defined (j = 7)	defined (j = 7)
28	pointer_from_integer_2.c	UB			defined (j = 7)	UB (line 7)	UB (line 7)
29	pointer_from_integer_2g.c	defined			defined (j = 7)	defined (j = 7)	defined (j = 7)
30	provenance_lost_escape_1.c	defined			defined	defined	defined
31	provenance_roundtrip_via_intptr_t_onepast.c	UB (line 10)	UB (line 10)	defined	UB (line 10)	UB (line 10)	defined
32	pointer_from_int_disambiguation_1.c	defined (y = 11)	defined (y = 11)	defined (y = 11)	defined (y = 11)	defined (y = 11)	defined (y = 11)
	pointer_from_int_disambiguation_2.c	UB (line 12)	UB (line 12)	defined	UB (line 12)	UB (line 12)	defined (x = 11)
	pointer_from_int_disambiguation_3.c	UB (line 13)	UB (line 13)	UB (line 13)	UB (line 13)	UB (line 13)	UB (line 13)