

		Observed behaviour (compilers), sound w.r.t PNVI-*? (relying on UB or ND?)								
test family	test	PNVI-plain	gcc-8.3 PNVI-ae	PNVI-ae-udi	PNVI-plain	clang-7.0.1 PNVI-ae	PNVI-ae-udi	PNVI-plain	icc-19 PNVI-ae	PNVI-ae-udi
1	provenance_basic_global_xy.c		y (n)			y (n)			y (y for O2+)	
	<b>provenance_basic_global_yx.c</b>		y (y for O2+)			not triggered			not triggered	
	provenance_basic_auto_xy.c		y (n)			y (n)			y (y for O2+)	
	provenance_basic_auto_yx.c		y (n)			y (n)			y (y for O2+)	
2	<b>cheri_03_ii.c</b>		y (n)			y (n)			y (n)	
3	<b>pointer_offset_from_ptr_subtraction_global_xy.c</b>								y (n)	
	pointer_offset_from_ptr_subtraction_global_yx.c								y (n)	
	pointer_offset_from_ptr_subtraction_auto_xy.c		y (n)			y (n)			y (y for O2+)	
	pointer_offset_from_ptr_subtraction_auto_yx.c								y (y for O2+)	
4	<b>provenance_equality_global_xy.c</b>		y (n)							
	provenance_equality_global_yx.c		y (y for O2+)							
	provenance_equality_auto_xy.c		y (y for O2+)							
	provenance_equality_auto_yx.c		y (n)			y (n)			y (n)	
	provenance_equality_global_fn_xy.c		y (n)							
	provenance_equality_global_fn_yx.c		y (y for O2+)							
5	<b>provenance_roundtrip_via_intptr_t.c</b>		y (n)			y (n)			y (n)	
6	<b>provenance_basic_using_uintptr_t_global_xy.c</b>		y (n)			y (n)			<b>n (y)</b>	
	provenance_basic_using_uintptr_t_global_yx.c		<b>n (y)</b>			not triggered			not triggered	
	provenance_basic_using_uintptr_t_auto_xy.c		y (n)			not triggered			<b>n (y)</b>	
	provenance_basic_using_uintptr_t_auto_yx.c		y (n)			y (n)			<b>n (y)</b>	
	<b>pointer_offset_from_int_subtraction_global_xy.c</b>									
7	pointer_offset_from_int_subtraction_global_yx.c		y (n)			y (n)			y (n)	
	pointer_offset_from_int_subtraction_auto_xy.c									
	pointer_offset_from_int_subtraction_auto_yx.c									
	<b>pointer_offset_xor_global.c</b>									
8	pointer_offset_xor_auto.c		y (n)			y (n)			y (n)	
9	provenance_tag_bits_via_uintptr_t_1.c		y (n)			y (n)			y (n)	
10	<b>pointer_arith_algebraic_properties_2_global.c</b>		y (n)			y (n)			y (n)	
11	<b>pointer_arith_algebraic_properties_3_global.c</b>		y (n)			y (n)			y (n)	
12	<b>pointer_copy_memcpy.c</b>		y (n)			y (n)			y (n)	
13	<b>pointer_copy_user_dataflow_direct_bytewise.c</b>		y (n)			y (n)			y (n)	
13	<b>provenance_tag_bits_via_repr_byte_1.c</b>		y (n)			y (n)			y (n)	
15	pointer_copy_user_ctriflow_bytewise.c		y (n)			y (n)			y (n)	
16	<b>pointer_copy_user_ctriflow_bitwise.c</b>		y (n)			y (n)			y (n)	
17	provenance_equality_uintptr_t_global_xy.c									
	provenance_equality_uintptr_t_global_yx.c		y (n)			y (n)			y (n)	
	provenance_equality_uintptr_t_auto_xy.c									
	provenance_equality_uintptr_t_auto_yx.c									
18	provenance_union_punning_2_global_xy.c		y (n)			y (n)		y (y for O2+)	<b>n (y)</b>	
	provenance_union_punning_2_global_yx.c	y (y for O2+)	<b>n (y)</b>			not triggered			not triggered	
	provenance_union_punning_2_auto_xy.c		y (n)			y (n)		y (y for O2+)	<b>n (y)</b>	
	provenance_union_punning_2_auto_yx.c		y (n)					y (y for O2+)	<b>n (y)</b>	
19	<b>provenance_union_punning_3_global.c</b>					y (n)			y (n)	
20	provenance_via_io_percentp_global.c									
	provenance_via_io_bytewise_global.c		NO OPT			NO OPT			NO OPT	
	provenance_via_io_uintptr_t_global.c									
21	<b>pointer_from_integer_1pg.c</b>		y (y for O0+)			y (y for O2+)			y (y for O2+)	
	<b>pointer_from_integer_1ig.c</b>	<b>n (y)</b>	y (y for O2+)		<b>n (y)</b>	y (y for O2+)			<b>n (y for O2+)</b>	
	<b>pointer_from_integer_1p.c</b>									
	<b>pointer_from_integer_1i.c</b>	can't test with charon								
	<b>pointer_from_integer_1ie.c</b>									
	<b>pointer_from_integer_2.c</b>									
	<b>pointer_from_integer_2g.c</b>		y (n)			<b>n (y)</b>			y (n)	
	<b>provenance_lost_escape_1.c</b>		y (n)			y (n)			<b>n (y for O2+)</b>	
22	<b>provenance_roundtrip_via_intptr_t_onepast.c</b>		y (n)			y (n)			y (n)	
23	<b>pointer_from_int_disambiguation_1.c</b>		<b>n (y)</b>			not triggered			not triggered	
	pointer_from_int_disambiguation_1_xy.c		not triggered			y (n)			<b>n (y for O2+)</b>	
	pointer_from_int_disambiguation_2.c		y (n)			not triggered			not triggered	
	pointer_from_int_disambiguation_2_xy.c		not triggered			y (n)			y (n)	
	pointer_from_int_disambiguation_3.c		y (n)			not triggered			not triggered	
	pointer_from_int_disambiguation_3_xy.c		not triggered			y (n)			y (y for O2+)	

(bold = tests mentioned in the document)