



RemoveMemArray ()

ENTRY

FREQ:1444

<bb 2>:
mem_array_ents.13_26 = mem_array_ents;
if (mem_array_ents.13_26 > 0)
goto <bb 3>; [92.50%]
else
goto <bb 12>; [7.50%]

FREQ:1332

<bb 3>:
_25 = mem_array[1][0];
if (adj_addr_15(D) == 25)
goto <bb 6>; [7.50%]
else
goto <bb 10>; [92.50%]

FREQ:1232

<bb 10>:
_43 = (unsigned int) mem_array_ents.13_26;
_44 = _43 + 4294967295;
_45 = (sizetype) _44;
_46 = _45 + 1;

loop 1

FREQ:8560

<bb 11>:
ivtmp.82_41 = PHI <ivtmp.82_42(4), 1(10)>
i_16 = (int) ivtmp.82_41;
if (ivtmp.82_41 != 46)
goto <bb 4>; [92.50%]
else
goto <bb 12>; [7.50%]

FREQ:7918

<bb 4>:
ivtmp.82_42 = ivtmp.82_41 + 1;
_47 = ivtmp.82_42 * 8;
_1 = MEM[symbol: mem_array, index: _47, offset: 152B];
if (i_1 == adj_addr_15(D))
goto <bb 5>; [7.50%]
else
goto <bb 11>; [92.50%]

FREQ:594

<bb 5>:
i_33 = PHI <i_16(4)>
_28 = i_33 + 1;

FREQ:694

<bb 6>:
i_29 = PHI <i_33(5), 0(3)>
prephitmp_9 = PHI <_28(5), 1(3)>
_2 = mem_array[0][i_29];
*true_addr_17(D) = _2;
if (prephitmp_9 < mem_array_ents.13_26)
goto <bb 7>; [85.00%]
else
goto <bb 9>; [15.00%]

FREQ:590

<bb 7>:
ivtmp.73_24 = (sizetype) prephitmp_9;
_6 = (sizetype) prephitmp_9;
_23 = (unsigned int) mem_array_ents.13_26;
_34 = (unsigned int) prephitmp_9;
_35 = _23 - _34;
_36 = _35 + 4294967295;
_37 = (sizetype) _36;
_38 = _6 + _37;
_39 = _38 + 1;

loop 2

FREQ:3931

<bb 8>:
j_31 = PHI <_27(8), i_29(7)>
ivtmp.73_12 = PHI <ivtmp.73_8(8), ivtmp.73_24(7)>
_27 = (int) ivtmp.73_12;
_19 = ivtmp.73_12 * 8;
_3 = MEM[symbol: mem_array, index: _19, offset: 0B];
_4 = MEM[symbol: mem_array, index: _40, offset: 160B];
mem_array[1][_31] = _4;
ivtmp.73_8 = ivtmp.73_12 + 1;
if (ivtmp.73_8 != 39)
goto <bb 8>; [85.00%]
else
goto <bb 9>; [15.00%]

FREQ:694

<bb 9>:
_7 = mem_array_ents.13_26 + -1;
mem_array_ents = 7;
goto <bb 12>; [100.00%]

FREQ:1444

<bb 12>:
_11 = PHI <0(9), -1(11), -1(2)>
return _11;

EXIT