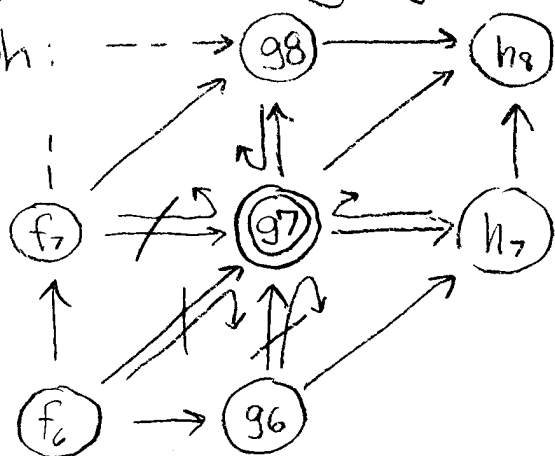


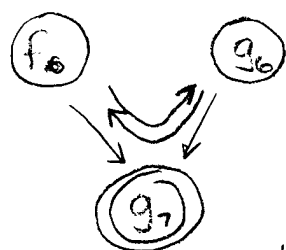
Problem 3b

If you know g_7 , what blocks depend on a_1 ?

Continuing from (a), but adding g_7 node as observed we get this graph: (in that region)



However, even if we apply bounce back, the paths from $f_7 \rightarrow g_8 \rightarrow h_8$ and $g_6 \rightarrow h_7 \rightarrow h_8$ remain undisturbed, so no additional nodes lose their dependence on a_1 (except g_7). Also, considering a situation like:



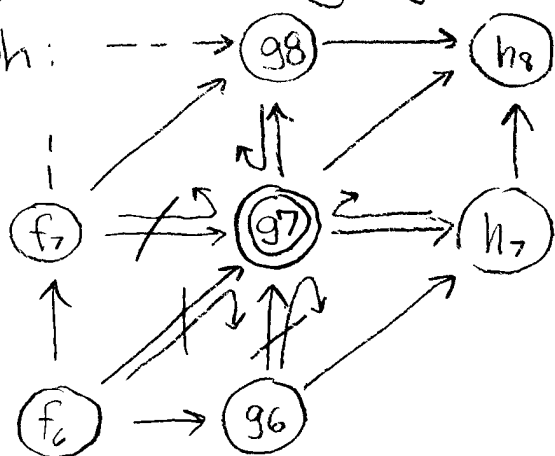
$f_6 \nparallel g_6 | g_7$ because the ball goes through, since knowing g_7 couples f_6 & g_6 .

Nodes depend on a_1 : $a_2, a_3, a_4, b_1, b_2, b_3, c_1, c_2, d_1, d_2,$
 $e_1, e_2, e_3, f_1, f_2, f_3, f_4,$
 $g_1, g_2, g_3, g_4, g_5, g_6, g_8,$
 all h nodes.

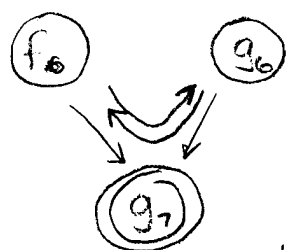
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