combine-halt-info[11,40]

combine-halt-info(ea; eb; f; g; x)
$\equiv_{\text{def}}$ if isl(x)
     then x
     else priority-select((λm.band(deq-member(nat-deq; m; cons(0; ea)); ($f(m)$)));
                               (λm.band(deq-member(nat-deq; m; cons(0; eb)); ($g(m)$)));
                               cons(0; merge(ea; eb)))
     fi