union-codes[11,40]

$[S?\ codes_1 : codes_2](j,i,e,st)$
$\equiv_{\text{def}}$ if $p{:}S(j,i,e)$ then $codes_1(j,i,e,st)$ else $codes_2(j,i,e,st)$ fi

clarification:

union-codes$(S;dec_S;codes_1;codes_2)(j,i,e,st)$
$\equiv_{\text{def}}$ branch$(S(j,i,e);dec_S(j,i,e);p.codes_1(j,i,e,st);codes_2(j,i,e,st))$

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http://www.nuprl.org/FDLcontent/p0_963683_/p31_794261_{union-codes}.html