

5) $\text{div}(\frac{\text{expr}}{w}, A[w])$

YDIVP: BSR MB640

$p_0 = \text{mod}(w, A, v)$
 $p_1 = A$
 $p_2 = w$

MOVE TVARN, D0

MOVE D0, D1

SUBQ #2, D0

MOVE D0, D2 ← MOVE.L AS, -(SP)

BSR XHSUB ← MOVE.L (SP)+, AS $p_2 = w - \text{mod}(w, A, v)$

BSR POPN

ok p_0

BRA XIDIV

$$\frac{w - \text{mod}(w, A, v)}{A}$$