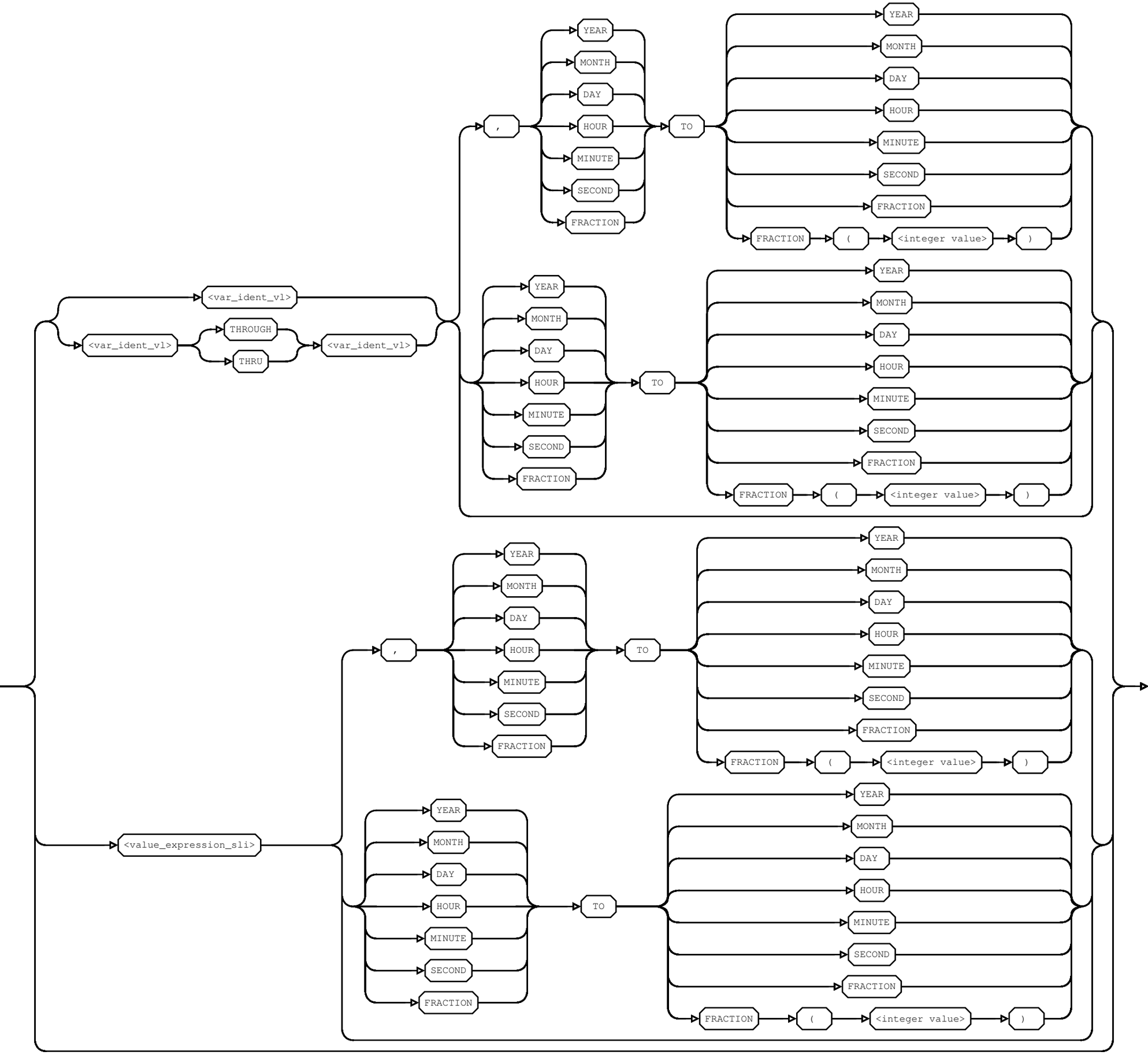extend_qual_sli :