NAME
   fribidi_join_arabic - do Arabic joining

SYNOPSIS
   #include <fribidi.h>

   void fribidi_join_arabic
   (
        const FriBidiCharType *bidi_types,
        const FriBidiStrIndex len,
        const FriBidiLevel *embedding_levels,
        FriBidiArabicProp *ar_props
   );

PARAMETERS
   const FriBidiCharType *bidi_types
      Input list of bidi types as returned by fribidi_get_bidi_types().

      Since there are 23 possible values for a **const FriBidiCharType**, they are not all listed here.

   const FriBidiStrIndex len
      Input string length.

   const FriBidiLevel *embedding_levels
      Input list of embedding levels, as returned by fribidi_get_par_embedding_levels.

   FriBidiArabicProp *ar_props
      Arabic properties to analyze, initialized by joining types, as returned by fribidi_get_joining_types.

DESCRIPTION
   This function does the Arabic joining algorithm. Means, given Arabic joining types of the characters
   in ar_props (don't worry, FriBidiJoiningType can be casted to FriBidiArabicProp automagically), this
   function modifies this properties to grasp the effect of neighboring characters. You probably need this
   information later to do Arabic shaping.

   This function implements rules R1 to R7 inclusive (all rules) of the Arabic Cursive Joining algorithm
   of the Unicode standard as available at
   http://www.unicode.org/versions/Unicode4.0.0/ch08.pdf#G7462. It also interacts correctly with the
   bidirection algorithm as defined in Section
   3.5 Shaping of the Unicode Bidirectional Algorithm available at

http://www.unicode.org/reports/tr9/#Shaping.

There are a few macros defined in fribidi-joining-types.h for querying the Arabic properties computed by this function.

SEE ALSO

fribidi_shape_arabic(3), fribidi_get_par_direction(3), fribidi_get_par_embedding_levels_ex(3), fribidi_reorder_line(3), fribidi_get_bidi_type(3), fribidi_get_bidi_types(3), fribidi_get_bidi_type_name(3), fribidi_debug_status(3), fribidi_set_debug(3), fribidi_charset_to_unicode(3), fribidi_unicode_to_charset(3), fribidi_parse_charset(3), fribidi_mirroring_status(3), fribidi_set_mirroring(3), fribidi_reorder_nsm_status(3), fribidi_set_reorder_nsm(3), fribidi_log2vis_get_embedding_levels(3), fribidi_get_type(3), fribidi_get_type_internal(3), fribidi_get_par_embedding_levels(3), fribidi_get_joining_type(3), fribidi_get_joining_types(3), fribidi_get_joining_type_name(3), fribidi_get_mirror_char(3), fribidi_shape_mirroring(3), fribidi_get_bracket(3), fribidi_get_bracket_types(3), fribidi_shape(3), fribidi_remove_bidi_marks(3), fribidi_log2vis(3)