

interfaceGlue^{11,40}

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interfaceGlue( $A; I; l; tg; nmr$ )
 $\equiv_{\text{def}}$   $\oplus([\oplus x \in \text{filter}(\lambda i. \neg_b i = \text{source}(l))$ 
      ;remove-repeats(IdDeq;ma-interface-locs( $I$ )).triggersGlue
      ( $A; (\text{link } nmr(0) \text{ from } x \text{ to source}(l)); (nmr(1)); \text{ma-interface-ds}(I;x); (I(x).2));$ 
      triggersGlue( $A;$ 
         $l;$ 
         $tg;$ 
        if ma-interface-loc( $I;\text{source}(l)$ )
        then ma-interface-ds( $I;\text{source}(l)$ )
        else  $\otimes$ 
        fi ;
         $\oplus(\text{mapl}(\lambda i. \text{if } i = \text{source}(l)$ 
        then ma-interface-conds( $I;i$ )
        else es-in-port-conds( $A;(\text{link } nmr(0) \text{ from } i \text{ to source}(l));nmr(1)$ )
        fi ;remove-repeats(IdDeq;ma-interface-locs( $I$ )))))]
```

clarification:

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interfaceGlue( $A; I; l; tg; nmr$ )
 $\equiv_{\text{def}}$   $\oplus([\oplus x \in \text{filter}(\lambda i. \neg_b i = \text{source}(l))$ 
      ;remove-repeats(IdDeq;ma-interface-locs( $I$ )).triggersGlue
      ( $A;$ 
        ( $\text{link } nmr(0) \text{ from } x \text{ to source}(l);$ 
        ( $nmr(1);$ 
        ma-interface-ds( $I;x;$ 
        ( $I\text{IdDeq}(x).2)$ )) /
      [triggersGlue( $A;$ 
         $l;$ 
         $tg;$ 
        if ma-interface-loc( $I;\text{source}(l)$ )
        then ma-interface-ds( $I;\text{source}(l)$ )
        else  $\otimes$ 
        fi ;
        fpf-join-list(KindDeq;mapl( $\lambda i. \text{if } i = \text{source}(l)$ 
        then ma-interface-conds( $I;i$ )
        else es-in-port-conds( $A;(\text{link } nmr(0) \text{ from } i \text{ to source}(l));nmr(1)$ )
        fi ;remove-repeats(IdDeq;ma-interface-locs( $I$ )))) /
      []])
```