

## Some JML expressions for sequences (\seq)

### JML

**\seq\_def**(int *i*; lower; upper; *e*)

**\seq\_get**(*s*, *idx*) or *s*[*idx*]

*s*.length

**\seq\_concat**(*s1*, *s2*)

**\dl\_arr2seq**(*array*)

**\seq\_empty**, **\seq\_singleton**(*e*), **\seq\_reverse**(*s*)

**\seq\_sub**(int *i*; lower; upper; *s*)

*s*, *s1*, *s2* of type \seq; lower, upper, *idx* of type int

## Some JML expressions for locations sets (\locset)

### JML

**\singleton**(*o.f*), **\singleton**(*a*[*i*])

*o*.\*, *a*[\*], *a*[*i..j*]

**\set\_union**(*ls1*, *ls2*), **\set\_minus**(*ls1*, *ls2*),  
**\intersect**(*ls1*, *ls2*), **\subset**(*ls1*, *ls2*), **\disjoint**(*ls1*, *ls2*)

**\reachLocs**(*ls1*, *o*, *n*)  
(resp. **\reachLocs**(*ls1*, *o*) )

*ls1*, *ls2* of type \locset

## Other JML Expressions

### JML

**\new\_elems\_fresh**(*e*) [ here: *e* of type \locset ]

**\fresh**(*e*)

**\reach**(*ls*, *start*, *end*, *steps*) (**resp.** **\reach**(*ls*, *start*, *end*) )

**\sum**(int *i*; *e1*; *e2*) [*e1* of type boolean expression; *e* of integral type]