

## mu-bound-property<sup>11,40</sup>

$\forall b:\mathbb{N}, f:(\text{int\_seg}(0; b) \rightarrow \mathbb{B}).$   
 $(\exists n:\text{int\_seg}(0; b). (\uparrow(f(n))))$   
 $\Rightarrow \text{guard}(((\uparrow(f(\text{mu}(f)))) \wedge (\forall i:\text{int\_seg}(0; b). (i < \text{mu}(f)) \Rightarrow (\neg(\uparrow(f(i)))))$