

```

|----- MODULE appex0 -----|
| modules de base importables |
| EXTENDS Naturals, Integers, TLC |
|-----|
| CONSTANTS maxint, minint |
|-----|
| VARIABLES u |
|-----|
| tentative 1 |
| action1  $\triangleq u' = u$  |
| action2  $\triangleq u < 5 \wedge u' = u + 1$  |
| action3  $\triangleq$  |
|    $\wedge u > 0$  |
|    $\wedge u' = u - 1$  |
|-----|
| Next  $\triangleq \text{action1} \vee \text{action2} \vee \text{action3}$  |
| Init  $\triangleq u = 0$  |
|-----|
| B6  $\triangleq 0 \leq u \wedge u \leq 6$  |
| B5  $\triangleq 0 \leq u \wedge u \leq 5$  |
| B4  $\triangleq 0 \leq u \wedge u \leq 4$  |
|-----|

```