

```
MACHINE P0
SEES Word
VARIABLES
    result
INVARIANTS
    inv1 : result ∈ 0 .. 1
EVENTS
Initialisation
    begin
        act1 : result := 0
    end
Event pal ≐
    when
        grd1 :  $\forall i \cdot i \in 1 .. n \Rightarrow w(i) = w(n + 1 - i)$ 
    then
        act1 : result := 1
    end
Event nopal ≐
    any
        i
        j
    where
        grd1 :  $i \in 1 .. n$ 
        grd2 :  $j + i = n + 1$ 
        grd3 :  $w(i) \neq w(j)$ 
    then
        skip
    end
END
```