```
` FILE: pi.x
PURPOSE: compute pi to n terms
` METHOD: 4*(1-1/3+1/5-1/7+1/9...)
` Number of terms is input
` It takes a LOT of terms to get any accuracy at all
p2 \leftarrow 0.0;
i \leftarrow 1;
do i < 4 \times nterms \Rightarrow
                                                                         ` too high
    t \leftarrow 1.0/i2r(i);
    p1 \leftarrow p2+t;
    i \leftarrow i+2;
    t \leftarrow 1.0/i2r(i);
                                                                         ` too\ low
    p2 \leftarrow p1-t;
    i \leftarrow i+2;
od;
pi \leftarrow 4.0 \times p2;
                                                                         \dot{} best result
delta \leftarrow 1.0/i2r(nterms);
                                                                         ` previous increment
```