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` FILE: pi.x
` PURPOSE: compute pi to n terms
` METHOD:  $4*(1 - 1/3 + 1/5 - 1/7 + 1/9\dots)$ 
` Number of terms is input
` It takes a LOT of terms to get any accuracy at all
p2 ← 0.0;
i ← 1;
do i < 4×nterms ⇒
    t ← 1.0/i2r(i);
    p1 ← p2+t;
    i ← i+2;
    t ← 1.0/i2r(i);
    p2 ← p1-t;
    i ← i+2;
od;
pi ← 4.0×p2;
delta ← 1.0/i2r(nterms);

```

*too high*  
*too low*  
*best result*  
*previous increment*