int pi(int);

int pi(int num)

{

int term,den;

float sumatoria;

for ( term = sumatoria = 0, den = 1; term <= num; term ++, den += 2 )

if ( term % 2 == 0 )

sumatoria += 1.0 / den;

else

sumatoria -= 1.0 / den;

return 4 \* sumatoria;

}

int pi2(int);

int pi2(int num)

{

int term,den;

float sumatoria;

for ( term = sumatoria = 0, den = 1; term <= num; term ++, den += 2 )

sumatoria += (term % 2 ? 1.0 : -1.0 ) / den;

return 4 \* sumatoria;

}