```
How many threads?
2
main: initialize matrix A[N][N+1] as [A|B]
-------------------------------------
 1.00  2.00  5.00  0.00  0.00  0.00  0.00  0.00  0.00
 2.00  1.00  4.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
main: create N=2 working threads
main: wait for all 2 working threads to join
partial pivoting by thread 0 on row 0: pivot_row=1  pivot=  2.00
thread 1 do row 1
partial pivoting by thread 1 on row 1: pivot_row=1  pivot=  1.50
-------------------------------------
 2.00  1.00  4.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  1.50  3.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
-------------------------------------
 2.00  1.00  4.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  1.50  3.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
 0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
main: back substitution : The solution is :
 1.00  2.00
```