

```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <unistd.h>
4 #include <pthread.h>
5
6 #define THREAD_FUNC(f) (void*(*)(void*))f
7
8 int * decomppte( int * px )
9 {
10     int y;
11     int *py;
12     while ( *px > 0 )
13     {
14         ++y;
15         --(*px);
16     }
17     py = ( int* ) malloc( sizeof( int ) );
18     *py = y;
19     pthread_exit( py );
20 }
21
22 int main( int argc, const char ** argv )
23 {
24     int x = atoi( argv[1] );
25     int *ya, *yb;
26     pthread_t ta, tb;
27     (void) argc; /* ne fait rien, évite un warning si compilé avec -Wextra */
28     pthread_create( &ta, NULL, THREAD_FUNC( decomppte ), (void*) &x );
29     pthread_create( &tb, NULL, THREAD_FUNC( decomppte ), (void*) &x );
30     pthread_join( ta, (void**) &ya );
31     pthread_join( tb, (void**) &yb );
32     printf("%d + %d = %d\n", *ya, *yb, *ya + *yb );
33     free( ya );
34     free( yb );
35     return 0;
36 }
```