Barrier example (sketch) :

pthread\_barrier\_t b;

void\* f(void\* a) {

/\*do first round of work\*/

/\*wait for everybody to finfish the first round of work\*/

pthread\_barrier\_wait(&b);

/\*do the second round of work\*/

return NULL;

}

int main() {

/\*initializing the barrier\*/

pthread\_barrier\_init(&b, 50);

/\*50 : the number of threads that should meet at the barrier\*/

for(i = 0; i < 50; i++) {

pthread\_create(..., NULL, f, NULL);

}

for(i = 0; i < 50; i++) {

pthread\_join(..., NULL);

}

/\*destroying the barrier\*/

pthread\_barrier\_destroy(&b);

return 0;

}