#include<stdio.h>

int recurse(int i)

{

if(i==0)

return 0;

else

recurse(i-1);

}

int main()

{

int i = 8;

recurse(i);

}

Questions:

1. Write the address of stack pointer when it used for the first time.
2. How does lr value gets updated in consecutive call, Is stack used?
3. If the program has to run without the use of stack, at the same time the number of function calls should be as much as possible, how would you change the code?