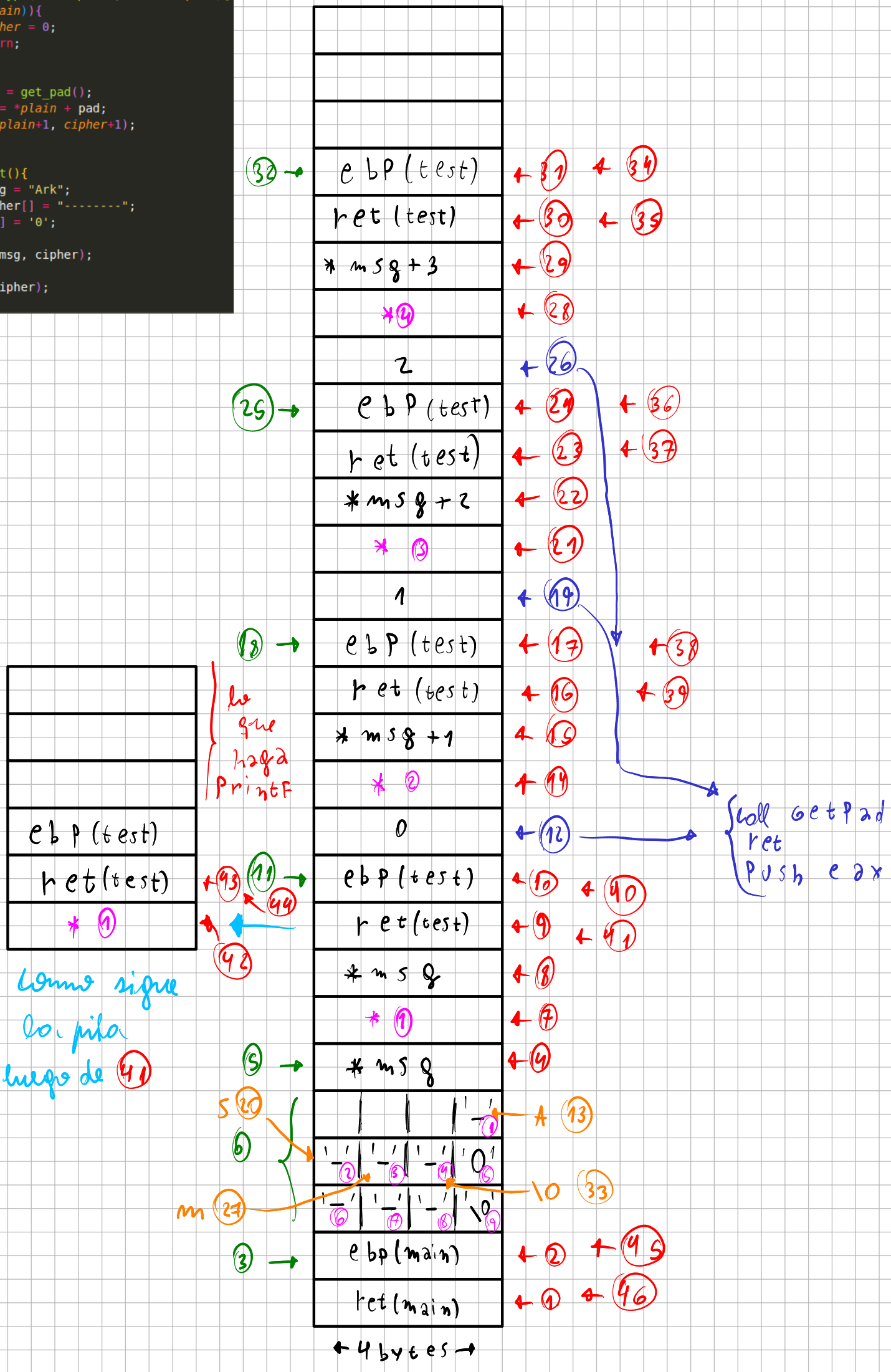
```c
void encrypt(char *plain, char *cipher){
if(!(*plain)){
    *cipher = 0;
    return;
}

char pad = get_pad();
*cipher = *plain + pad;
encrypt(plain+1, cipher+1);
}

void test(){
char *msg = "Ark";
char cipher[] = "--------";
cipher[4] = '0';

encrypt(msg, cipher);

printf(cipher);
}
```



1. call test
2. push ebp (main)
3. mov ebp, esp
4. sub esp, 12
5. mov [esp+4], *msg
6. mov [esp+7], "--------"
   mov [esp+11], "0"
7. push *1
8. push *msg
9. call encript
10. push ebp (test)
11. mov ebp, esp
12. Pad
13. mov 1, ('A' + 0) ('A')
14. push *2
15. push *msg+1
16. call encript
17. push ebp
18. mov ebp, esp
19. Pad
20. mov 2, ('r' + 1) (s)
21. push *3
22. push *msg+2
23. call encript
24. push ebp
25. mov ebp, esp
26. Pad
27. mov 3, ('k' + 2) (m)
28. push *4
29. push *msg+3
30. call encript
31. push ebp
32. mov ebp, esp
33. mov 4, 0
34. leave
35. ret
36. leave
37. ret
38. leave
39. ret
40. leave
41. ret
42. push *1
43. call Printf
44. ret
45. leave
46. ret