- 1A) while (x) E

 val 1=x;

 x >>=1;

 return val & 1;
- 113) returns 1 if there are odd mumber of bits that are 1, 0 otherwise
- 2A) for (i=0; i<32; i+t) (val = (val <<1) 1(x & 1); x >>= 1;
- 2B) This function reverses He bits in He parameter passed in . The most significant bit becomes He least . And He least significant bit becomes He most
- 3A) operator 15 division (1)
- 3B) leal 3(%edx), Ceax; temp=x+3

 test 1 %edx, %edx; temp & temp

 test 1 %edx, %edx; temp & temp = x

 cmouns %edx, %edx; if result sign is +; temp=x

 garl \$2, %eax; return temp 772 (temp/4)

(H)	0x40003C	(%ebp-14)
40)	0x800014	(% esp-\$40)
40)	x = -4(90ebp) =	0x800038

4()
$$x \Rightarrow -4(90ebp) = 0x800038$$

 $y \Rightarrow -8(90ebp) = 0x800034$

40)	0x 80003C	0x 800066
	0,200038	0x53
	0x800034	0×46
		, -
	0x80001C	0×400034
	0 x 8000 18	0x800034
	0x800014	0×300070

4E) Address 0x800020 to 0x800033 are unused

5A) Holds He parameter x

unsigned nx = x >> 1; int rv = rfun(nx); return (x & 1) + rv;

50 The function soms He number of bits that are 1