3.60

A.

变量	寄存器
x	%rdi
n	%esi
result	%rax
mask	%rdx

B.

```
result = 0;
mask = 1;
```

C.

```
mask != 0;
```

D.

```
mask <<= n%64;
```

E.

```
result |= x & mask;
```

F.

```
long loop(long x,int n)
{
    long result = 0;
    long mask;
    for(mask = 1;mask != 0;mask <<= n%64)
    {
        result |= x & mask;
    }
    return result;
}
```

3.63

```
long switch_prob(long x,long n)
{
    long result = x;
    switch(n)
    {
        case 60:
        case 62:
            result = 8 *x;
            break;
        case 63:
            result = x;
            result >>= 3;
            break;
        case 64:
            result = x;
            result <<= 4;
            result -= x;
            x = result;
        case 65:
            x = x*x;
        case 61:
            result = x + 75;
    }
    return result;
}
```

3.66

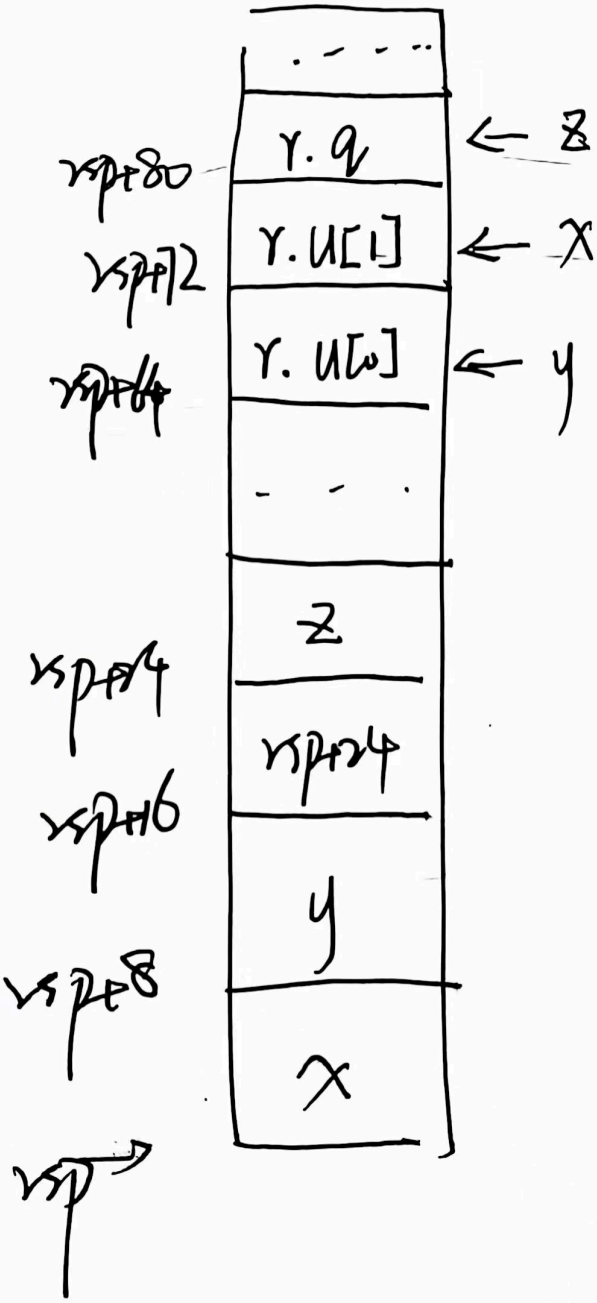
NR(n): 3*n*
*NC(n): 4*n+1

3.67

A.

%rsp+80
%rsp+72
%rsp+64
z
%rsp+56
%rsp+24
%rsp+16
y
%rsp+8
x
%rsp

B.
传递了 rsp+64 的地址
C.
通过 栈寄存器+偏移量 访问
D.
更改以 rsp+64 为起始地址的一部分栈
E.


r.q
r.u[1]
r.u[0]
z
x
y
z
x
y
%rsp+80
%rsp+72
%rsp+64
%rsp+24
%rsp+16
%rsp+8
%rsp

F.
只用传递该结构在栈上的起始地址，被调用的函数对栈进行修改即可

3.68

4 < B <= 8
6 < A <= 10
44 < A*B <= 46

解得：A = 9, B = 5