

Dreadnought

Standard Code Library

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```
1 LL inv(LL a, LL p) {  
2     LL d, x, y;  
3     d=exgcd(a, p, x, y);  
4     return d==1?(x+p)%p:-1;  
5 }
```

```
1 LL exgcd(LL a, LL b, LL &x, LL &y) {  
2     if(!b) {  
3         x=1; y=0; return a;  
4     } else {  
5         LL d=exgcd(b, a%b, x, y);  
6         LL t=x; x=y; y=t-a/b*y;  
7         return d;  
8     }  
9 }
```