F(n)=2^(2^n)+1

大多数费马数是素数，也有的不是，

比如：F5=4294967297=641\*6700417

[F1](https://www.baidu.com/s?wd=F1&tn=44039180_cpr&fenlei=mv6quAkxTZn0IZRqIHckPjm4nH00T1Y4ujmkPvnLmWbkuH-Wnycv0ZwV5Hcvrjm3rH6sPfKWUMw85HfYnjn4nH6sgvPsT6KdThsqpZwYTjCEQLGCpyw9Uz4Bmy-bIi4WUvYETgN-TLwGUv3EPH6kn161PHn3)=2^(2^1)+1=5  
F2=2^(2^2)+1=17  
F3=2^(2^3)+1=257  
[F4](https://www.baidu.com/s?wd=F4&tn=44039180_cpr&fenlei=mv6quAkxTZn0IZRqIHckPjm4nH00T1Y4ujmkPvnLmWbkuH-Wnycv0ZwV5Hcvrjm3rH6sPfKWUMw85HfYnjn4nH6sgvPsT6KdThsqpZwYTjCEQLGCpyw9Uz4Bmy-bIi4WUvYETgN-TLwGUv3EPH6kn161PHn3)=2^(2^4)+1=65537  
F5=2^(2^5)+1=4294967297