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```

clc
clear all
format long
l=50;
for n=1:l
    M(n)=2^n-1;
end
k=isprime(M);

%Now Printing
disp('Index      Prime      NotPrime')
for i=1:l
    fprintf(' %2d      ',i)
    if(k(i)==1)
        fprintf('%d ',M(i))
    else
        fprintf('          %d ',M(i))
    end
    disp(' ')
end

```

<i>Index</i>	<i>Prime</i>	<i>NotPrime</i>
1		1
2	3	
3	7	
4		15
5	31	
6		63
7	127	
8		255
9		511
10		1023
11		2047
12		4095
13	8191	
14		16383
15		32767
16		65535
17	131071	
18		262143
19	524287	
20		1048575
21		2097151
22		4194303
23		8388607
24		16777215
25		33554431
26		67108863
27		134217727
28		268435455
29		536870911
30		1073741823

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31	2147483647	
32		4294967295
33		8589934591
34		17179869183
35		34359738367
36		68719476735
37		137438953471
38		274877906943
39		549755813887
40		1099511627775
41		2199023255551
42		4398046511103
43		8796093022207
44		17592186044415
45		35184372088831
46		70368744177663
47		140737488355327
48		281474976710655
49		562949953421311
50		1125899906842623

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