

```
#include<iostream>
using namespace std;
int main()
{
    int t;
    cin>>t;
    while(t-->0)
    {
        int p;
        int count = 0;
        cin>>p;

        for(int n = 1;n<=p;n++)
        {
            if(p%n==0)
            {
                count++;
            }
        }

        if(count==2)
        {
            cout<<"yes"<<endl;
        }
        else{
            cout<<"no"<<endl;
        }
    }
}
```