

// 4. 求最大公约数

```

int gcd(int a, int b)
{
    int t;
    while (b)
    {
        t = a % b;
        a = b;
        b = t;
    }
    return a;
}

int main()
{
    int a, b;
    while (scanf("%d %d", &a, &b) != EOF)
    {
        printf("%d\n", gcd(a, b));
    }
}
    
```

```

// 5. 求最大公约数
int gcd(int a, int b)
{
    int t;
    while (b)
    {
        t = a % b;
        a = b;
        b = t;
    }
    return a;
}

int main()
{
    int a, b;
    while (scanf("%d %d", &a, &b) != EOF)
    {
        printf("%d\n", gcd(a, b));
    }
}
    
```

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