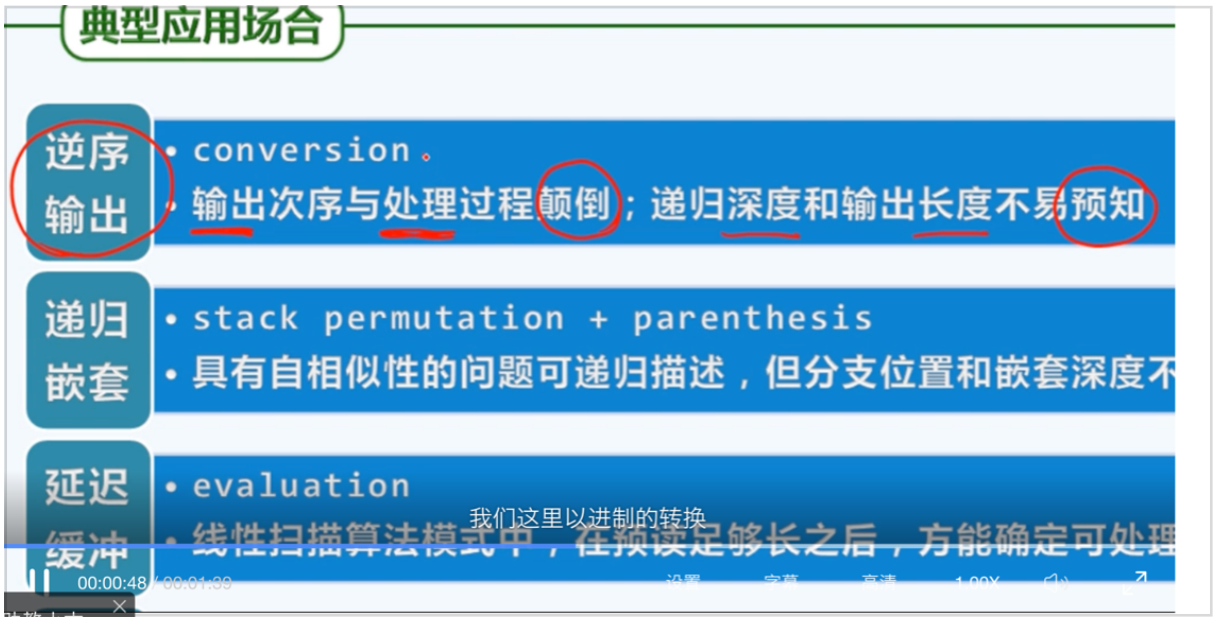
# 04-C 进制转换

#数据结构邓神



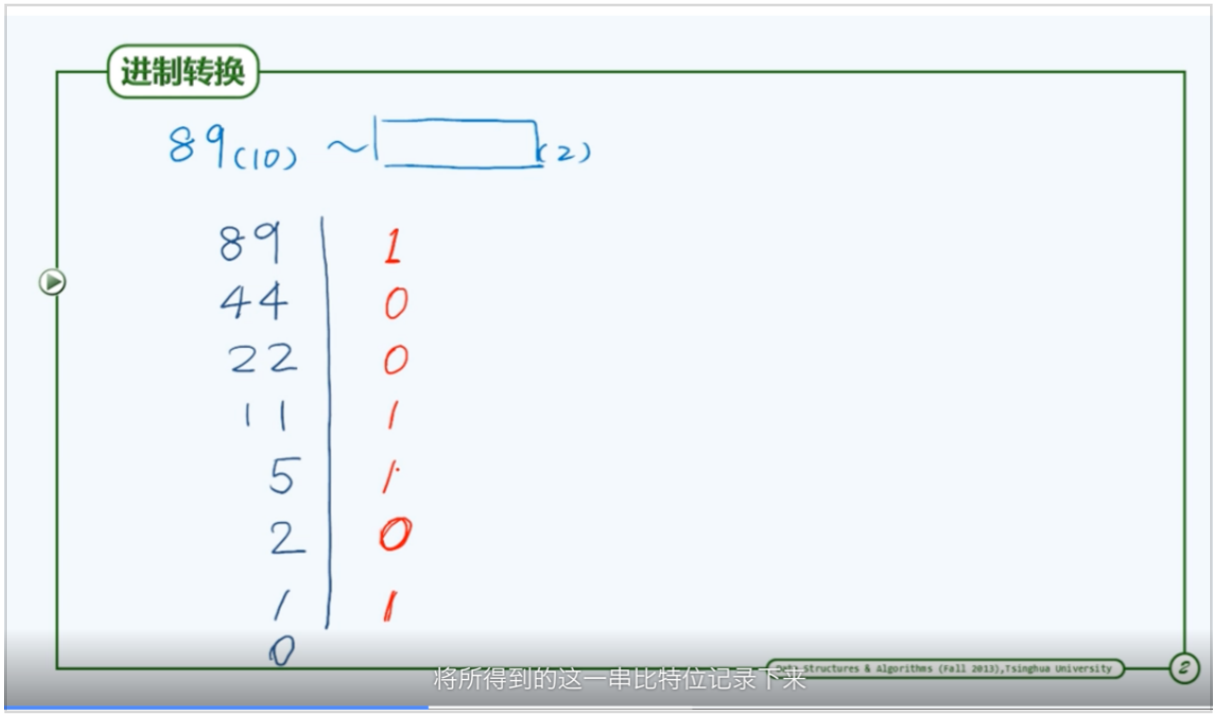

进制转换实现就可以用栈

## 进制转换

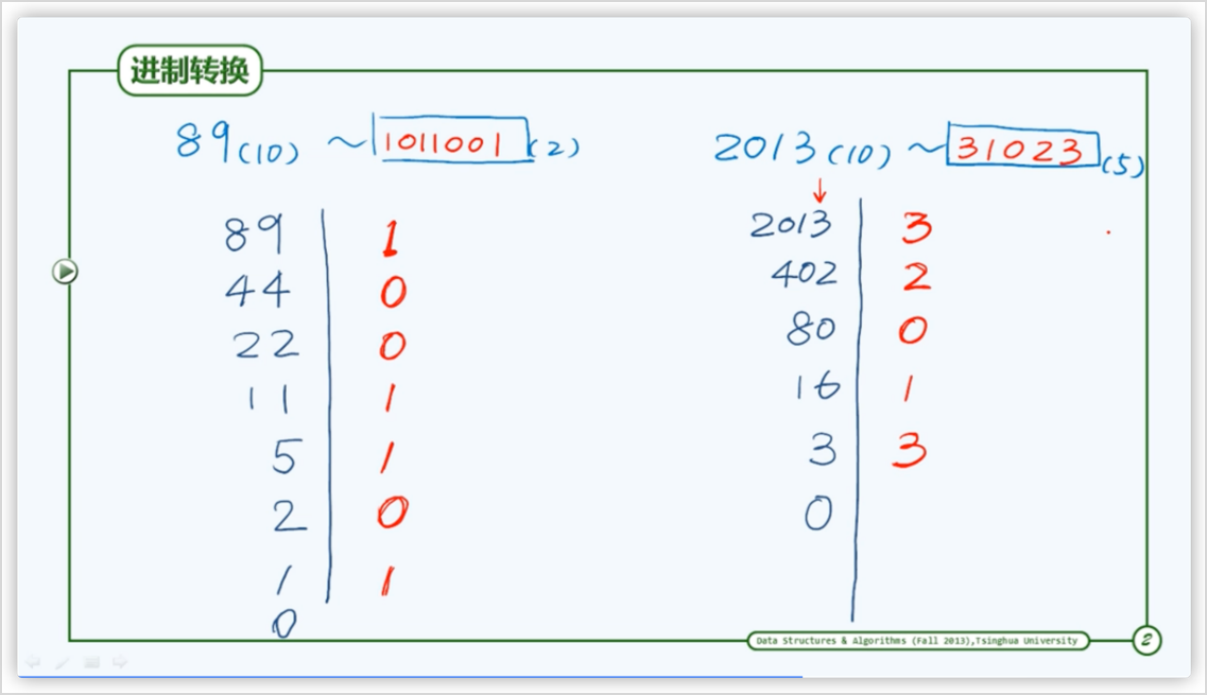
短除法：

80(10) –> (2)

对2取余数




反向拿出 1011001




我们发现这个问题可以用栈很好的解决

## 实现

```
// 将输入整数n（10） 转换成 base类型
void convert(stack<char> & S,int n,int base){
    static char digit[] =
{'0','1','2','3','4','5','6','7','8','9','A','B','C','D','E','F'};
    while(n > 0){
        S.push(digit[n%base]);
        n /= base;
    }
}
```