

```
#include<iostream>
using namespace std;
```

```
int count=0;
bool ok(int q[]){
```

Your code goes here

```
}
```

```
void print(int q[]){
    cout<<++count<<endl;
    for(int i=0;i<8; i++)
        cout<<q[i]<<" ";
    cout<<endl;
```

```
}
```

```
int main(){
    int q[8];
    for(int i0=0;i0<8;i0++)
        for(int i1=0;i1<8;i1++)
            for(int i2=0;i2<8;i2++)
                for(int i3=0;i3<8;i3++)
                    for(int i4=0;i4<8;i4++)
                        for(int i5=0;i5<8;i5++)
                            for(int i6=0;i6<8;i6++)
                                for(int i7=0;i7<8;i7++){
                                    q[0]=i0;
                                    q[1]=i1;
                                    q[2]=i2;
                                    q[3]=i3;
                                    q[4]=i4;
                                    q[5]=i5;
                                    q[6]=i6;
                                    q[7]=i7;
                                    if(ok(q))print(q);
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}
```