

▪ Beispiel: Textuelle Ausgabe einer Bitfolge

```
void printIntBinary(unsigned int val) {  
    int idx = 0;  
    for( idx = sizeof(val) * CHAR_BIT - 1 ; idx >= 0 ; idx-- ) {  
        fprintf(stdout, "%s", (val & (1 << idx)) ? "1" : "0");  
        fprintf(stdout, "%s", (idx % CHAR_BIT) ? " " : " ");  
    }  
}
```

```
void printIntBinary(unsigned int val) {  
    unsigned int mask = 1 << (sizeof(val) * CHAR_BIT - 1);  
    unsigned int space = 1 << ((sizeof(val) - 1) * CHAR_BIT - 1);  
    for( ; mask ; mask >>= 1 ) {  
        fprintf(stdout, "%s", (mask & space) ? (space >>= CHAR_BIT, " ") : "");  
        fprintf(stdout, "%s", (val & mask) ? "1" : "0");  
    }  
}
```