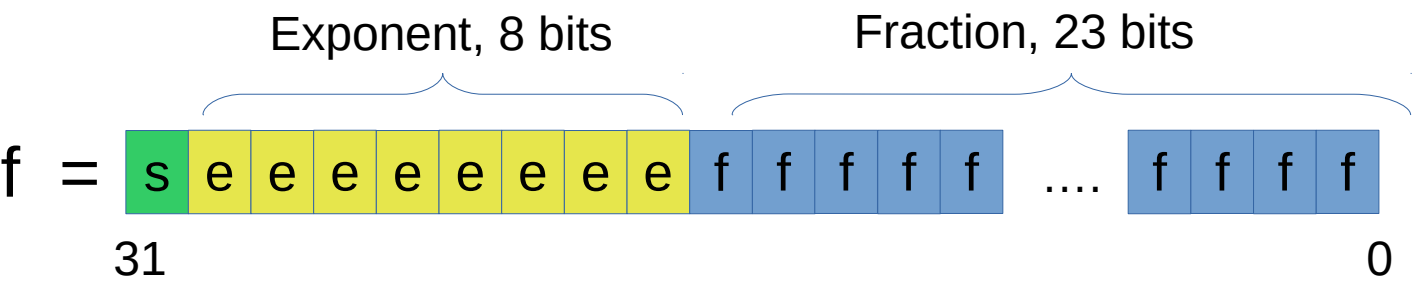
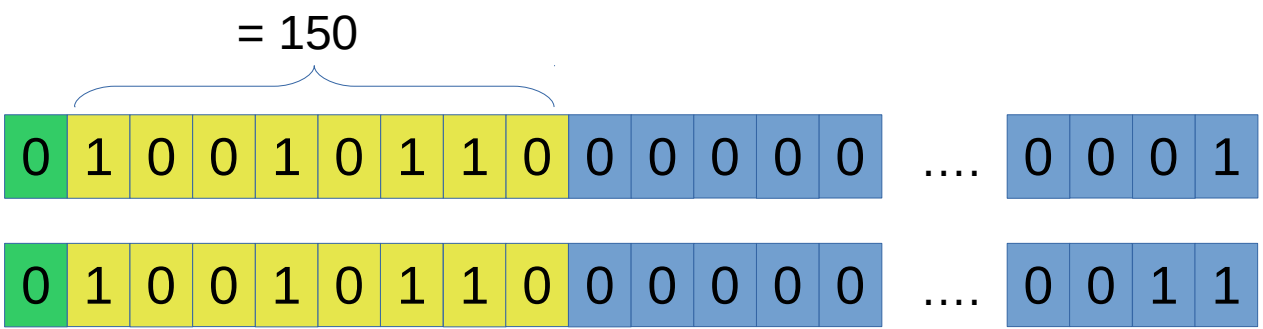
$$f = -1^{s} \cdot 2^{e-127} \cdot (1 + \sum f_i \cdot 2^{i-23})$$



IEEE 754
single-precision
floating point number



$1 + 2^{23}$

$3 + 2^{23}$