(22222111101110) 3 16 = 7 106 ≈ Megabyte 43,046,720 44M1 

For Cach Doord. mount {- The best move computed.

The result (win | draw | loss)

1-bit 1 - whether the result is already

flag { computed 12X43MB

Yow - [0,3] ~ 2 bits 4x4 +++ (01-) [0,3] ~ 2 bits Sare -> [-1,0,1] ~ 2 bits Computed or not -> 10,14~1 bit at most 7 bits of info Per David Paition.

b<sub>7</sub> b<sub>6</sub> b<sub>5</sub> b<sub>4</sub> b<sub>3</sub> b<sub>2</sub> b<sub>1</sub> b<sub>0</sub>

| 0551.drw/1.ωinγ. Col τοω

## index = 0
001001

70W=2 101=1 June= 0 decimal 38 00100110 Col=3 Scove
8 10 0 11 11 Yous 3

$$0000 \rightarrow 0$$
 $0001 \rightarrow 1$ 
 $0010 \rightarrow 9$ 
 $1000 \rightarrow 8$ 

100-5 ( 

Bit-wise OR, Bit-wise AND, 1eft-Shift Oliver et least active a single 1 0110 0110 0110

b=0, Say m. yow=2 0000000 -<u>100</u>00 00 104-

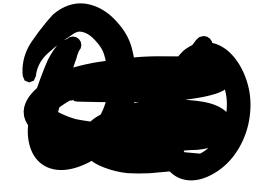
 $M \cdot (01 = 3) \rightarrow 000000011$ .  $M \cdot (01 < < 2) 00001100 + 12$ 

25 < 43 48 imal  $12 = 3 \times 2^{2}$ 

25000

$$\phi = 0000 \quad 0000$$

## 0000 1100 4 hex



$$\frac{0}{4}$$
 $\frac{0000}{0000}$ 
 $\frac{0010}{0100}$ 

(0012002100210021) = 2703706,0