	Dead													
		0	(	\	3									
		4	5	6	7									
		3	9	10	(1									
		12	13	14	12									
		/6	\7	1.9	19									
		20	21	22	23									
		24	25	2 C	27									
<u></u>		28	IJ	30	٦\									
		32	<u> </u>	34	35									
		36 40	37	38	39									
	6	40	4ı	46	43									
	6	44	45	46	fγ									
	<u>_</u>	41	U9	50	51									
	2	51	53	54	55									
		56	25	51	59									
		60	6 \	6	65									

64xint (6+

(ye)

Hummy & 16 Sum

			:		

f ( ceil: 1 count:3) Pead and 0112 = 310 neighbours Alive and 10101 neighbours neighbours 0102=210 0112 = 30 abcd  $f(a,b,c,d) = [abbackd] \vee [ab$ 10000 muningarpul bcd (ava) = Bcd ( Bod v about = Bo (d vat) = Bo (dva) 244)

f(a,b,c,d) = bc(dva)

(N&Ob0001 / N&Ob1000)

```
int countNeighbours_4(int word) {
....return (((word & 0b0100010001000) ^ 0b0100010001000100) >> 2) &
....((word & 0b0010001000100010) >> 1) &
....((word & 0b0001000100010001) | (word & 0b1000100010001000) >> 3);
}
```