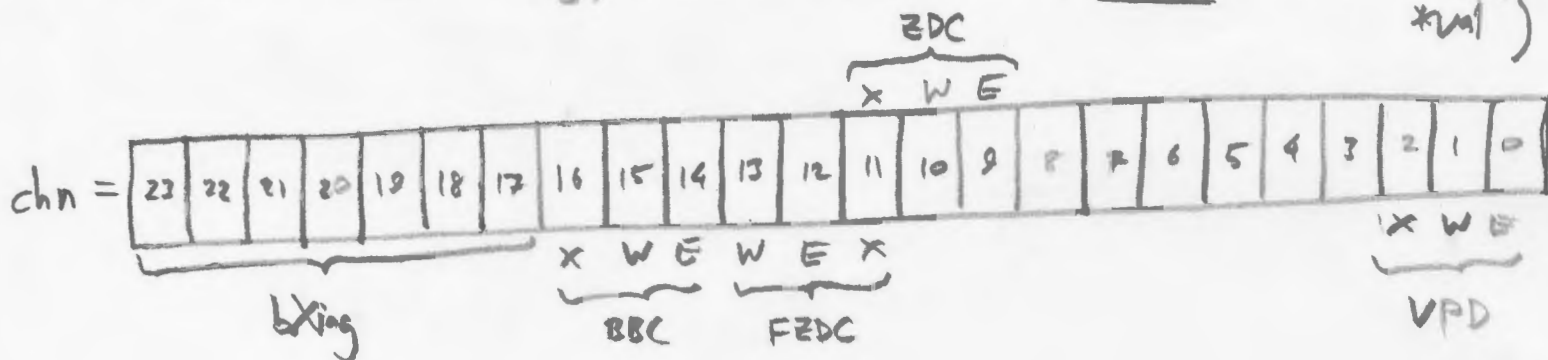


24-bit scaler reader

`Sca_read_bin (int debug, FILE *infile, int *num, int *chn, unsigned long long *val)`



$$bXing = (chn \gg 17) \& \underbrace{1 \dots 1}_7$$

$$c = chn \& \underbrace{1 \dots 1}_{17}$$

$$\bullet \text{ chnBBC} = c \& \underbrace{111 0 \dots 0}_{14}$$

$$\bullet \text{ chnZDC} = c \& \underbrace{0 \dots 0}_5 \underbrace{111 0 \dots 0}_9$$

$$\bullet \text{ chnFZDC} = c \& \underbrace{000 111 0 \dots 0}_{11}$$

$$\bullet \text{ chnVPD} = c \& \underbrace{0 \dots 0}_{14} 111$$

	X	W	E
0	0	0	0
1	0	0	1
2	0	1	0
3	0	1	1
4	1	0	0
5	1	0	1
6	1	1	0
7	1	1	1