

	x^i	num	Count	key	run tot	Bin	run tot
(d)	2^5	32	1	0	32	0010 0000	0010 0000
	2^4	16	0	0	32	0010 0000	0010 0000
	2^3	8	0	0	32	0010 0000	...
	2^2	4	0	0	32	0010 0000	...
	2^1	2	0	0	32	0010 0000	...
	2^0	1	0	0	32	0010 0000	...

$$32_{10} = 0010\ 0000_2$$

2^4	16	1	0	16	0001 0000	0001 0000
2^3	8	0	0	16	0001 0000	...
2^2	4	0	0	16	0001 0000	...
2^1	2	0	0	16
2^0	1	0	0	16

$$16_{10} = 0001\ 0000_2$$

$$\begin{array}{r} 0010\ 0000 \\ - 0001\ 0000 \\ \hline 0001\ 0000 \end{array} \rightarrow \begin{array}{r} 1110\ 1111 \\ \hline 1111\ 0000 \end{array}$$

$$\begin{array}{r} 0010\ 0000 \\ + 1111\ 0000 \\ \hline 0001\ 0000_2 \end{array}$$

over

(e)

Base 16	C	0	4	8	0	0	0	0
Base 2	1100	0000	0100	1000	0000	0000	0000	0000

1100/0000/0100/1000/0000/0000/0000/0000

-

10000000

$-1 * 2^1 * 1.1001_2$

2^0	1	1	1
2^{-1}	0.5	*	1.5
2^{-2}	0.25	0	1.5
2^{-3}	0.125	0	1.5
2^{-4}	0.0625	1	1.5625

$$-1 * 2^1 * 1.5625 = \boxed{-3.125}$$

(+) 48 61 6E 20 53 6F 6C 6F = string

Space 20

A	41	a	61
B	42	b	62
C	43	c	63
D	44	d	64
E	45	e	65
F	46	f	66
G	47	g	67
H	48	h	68
I	49	i	69
J	4A	j	6A
K	4B	k	6B
L	4C	l	6C
M	4D	m	6D
N	4E	n	6E
O	4F	o	6F
P	50	p	70
Q	51	q	71
R	52	r	72
S	53	s	73
T	54	t	74
U	55	u	75
V	56	v	76
W	57	w	77
X	58	x	78
Y	59	y	79
Z	5A	z	7A

Han - solo