$$\beta = S(x)$$
, $\beta^* = S(x^*)$.

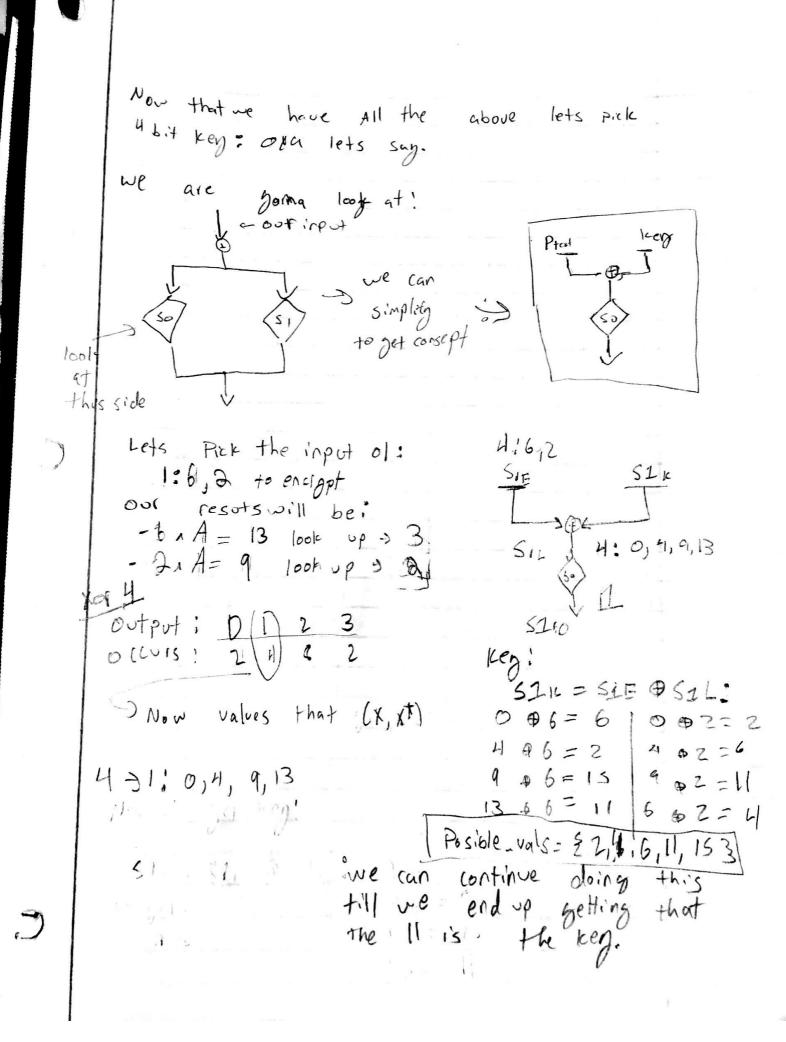
from all of these values.

output y'				
inpl	10		12	3_
00°	16	0	0	Ò
Oi	O	10	6	0
02	0	7	10	4
03	0 2	4	O	10
01 07 03 04 05 06 07	12	4	8	2
0.5		2	3	8
06	4 8	7	1	8
07		8	4	2
02	2	8	8	2
09	0	2	1	12
A	10	0	И	2
B	и	10	2	0
C	8	2	1	4
D	2	8	4	2
O 9 ABCDEF	2	4	8	2
FI	4	2	2	8

Jused Paton to make the patole to left value. Picking all combos

Nov lets start to get the actual keg : I'dn pivextipage ve 1

continue



Basically the we could continue get another with more complex System. This all can be expanded to work. Just more boxes and xois make generating Q2) H(1/10) = H(1) + H(P) - H(0) $H(P) = -\frac{\sum_{i=1}^{N} P_i \log_2 P_i}{\sum_{i=1}^{N} P_i \log_2 P_i} \frac{P_i = \{9, b, c\}}{P_i = 1/3}$ = $-\left(\frac{1}{3}\log_2 \frac{1}{3} + \frac{1}{6}\log_2 \frac{1}{6} + \frac{1}{2}\log_2 \frac{1}{2}}{P_i(b)} = \frac{1}{6}$ = $\left(\frac{1}{3}\log_2 \frac{1}{3} + \frac{1}{6}\log_2 \frac{1}{6} + \frac{1}{2}\log_2 \frac{1}{2}}{P_i(b)} = \frac{1}{6}$ H(10) = - (1/2/0921/2 + 1/4/0921/4 + 1/4/0921/4) Prob dist P_c $e_{kz}(a) = 1$ $e_{ki}(b) = 2$ $e_{ki}(c) = 2$ $e_{ki}(c) = 2$ $e_{ki}(c) = 2$ $e_{ki}(c) = 3$ $e_{ki}(c) = 3$ $e_{ki}(c) = 4$ $e_{ki}(c) = 4$ $=\frac{1}{6}+\frac{1}{8}=\frac{14}{118}=\frac{7}{24}$ Pe(2) = (1/3.1/4) + (1/6.1/2) + (1/2.1/2) = 1/12 + 1/12 + 1/4= 5/12 P(3) = (1/4.1/3) + (1/4.1/6) = 1/12 + 1/24 = 3/24 = 1/8 P(4) = (14.16) + (14.1/2) = 1/24 + 1/8 = 9/24 HCW = -(7/124 log1(7/24) + 5/12 log1(5/12) + 4/24 log(4/24)) + 4/24 log(4/24) = 1.797

H(KID= 1,5+1,45-1,797=[1,153]