$$\begin{array}{ccccccc} Y & H & A & N & A & P & A \\ 20 & 8 & 1 & 14 & 1 & 16 & 1 \end{array}$$

$n = 7$

$c = 19$

$P = [20, 8, 1, 14, 1, 16, 1]$

$W = [4, 10, 6, 9, 8, 9, 8]$

d =	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
j = 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
j = 1	0	0	0	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
j = 2	0	0	0	0	20	20	20	20	20	20	20	20	20	20	28	28	28	28	28	28
j = 3	0	0	0	0	20	20	20	20	20	20	21	21	21	21	28	28	28	28	28	28
j = 4	0	0	0	0	20	20	20	20	20	20	21	21	21	34	34	34	34	34	34	34
j = 5	0	0	0	0	20	20	20	20	20	20	21	21	21	34	34	34	34	34	34	34
j = 6	0	0	0	0	20	20	20	20	20	20	21	21	21	36	36	36	36	36	36	37
j = 7	0	0	0	0	20	20	20	20	20	20	21	21	21	36	36	36	36	36	36	37

8+20

20+1

20+14

20+16

20+1+16

$X_6 = 1$ $37 - 16 = 21$

$X_3 = 1$ $21 - 1 = 20$

$X_1 = 1$ $20 - 20 = 0$

$X = (1, 0, 1, 0, 0, 1, 0)$