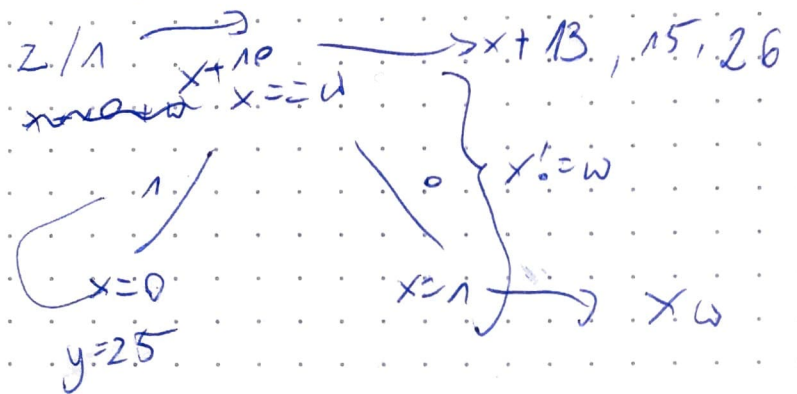
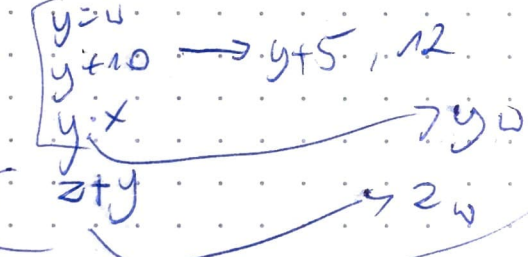


inp. w
 $x = z$
 $x \% 26$



$y \cdot x$
 $y + 1$
 $z : y$



remove last number

2/1	$x + 10$	$y + 10$	0	
1	13	5	1	
1	15	12	2	
26	-12	12	3	
1	14	6	4	
26	-2	4	5	
1	13	15	6	
26	-12	3	7	
1	15	7	8	
1	11	11	9	
26	-3	2	10	
26	-13	12	11	
26	-12	4	12	
26	-1	11	13	

$x = 5 w$

$w = 11$
 $x = 30$

② $z \% 26 == w \rightarrow y = 1 \rightarrow \underline{z = z}$

③ $z \% 26 != w \rightarrow y = 25 - (z \% 26) + 1 \rightarrow \underline{z = z + y}$

③ $z = z + (w + n) \cdot \begin{cases} 0 & \text{if } z \% 26 == w \\ 1 & \text{if } z \% 26 != w \end{cases}$
 $[10, 5, 12, \dots]$

① $z = z \div \frac{1}{26} \rightarrow z_{\max} = 51$
 $w > 0$

$x_{n-1} \% 26 = 1$
 \rightarrow if:
 $w_n == y_{n-1} + x_{n-1}$
 $= w_{n-1} + y_{n-1} + x_{n-1}$

z	w	z z_w	y_w	x_w	x_d
1	0	$0 + y_w = w_0 + 10$	$w_0 + 10$	$0 \% 26 = 0$ 10	10
1	1	$(z_0 \% 26) + y_w = 26z_0 + w_1 + 5$	$w_1 + 5$	1	13
1	2	$26z_1 + w_2 + 12$	$w_2 + 12$	1	15
26	3	z_1 $26z_1 + w_3 + 12$	$0 \mid w_3 + 12$	0 1	-12
1	4	$26z_3 + w_4 + 6$	$w_4 + 6$	1	14
26	5	z_3 $26z_3 + w_5 + 6$	$0 \mid w_5 + 4$	0 1	-2
26	6	$26z_5 + w_6 + 15$	$w_6 + 15$	1	13
26	7	z_5 $26z_5 + w_7 + 3$	$0 \mid w_7 + 3$	0 1	-12
1	8	$26z_7 + w_8 + 7$	$w_8 + 7$	1	15
1	9	$26z_8 + w_9 + 11$	$w_9 + 11$	1	11
26	10	z_8 $26z_8 + w_{10} + 2$	$0 \mid w_{10} + 2$	0 1	-3
26	11	$0 \mid w_{11} + 12$	$0 \mid w_{11} + 12$	0 1	-13
26	12	$0 \mid w_{12} + 4$	$0 \mid w_{12} + 4$	0 1	-12
26	13	$0 \mid w_{13} + 10$	$0 \mid w_{13} + 10$	0 1	-12

if 5: 3 $w_3 == w_2 + 12 - 12 == 0_2$ 10 $w_{10} == w_9 + 11 - 3 = w_9 + 8$
 5 $w_5 == w_4 + 6 - 2 == w_4 + 4$ 11 $w_{11} == w_{10} + 7 + 13 = w_8 - 6$
 7 $w_7 == w_6 + 15 - 12 == w_6 + 3$ 12 $w_{12} ==$
 13

$w_n > 0$

- 1 $w_0 + 10$
 1 $w_1 + 5$
 1 $w_2 + 12$ ~~w_2~~
 26 $w_3 + 12 \rightarrow w_3 = w_2$
 1 $w_4 + 6$
 26 $w_5 + 4 \rightarrow w_5 = w_4 + 4$
 1 $w_6 + 15$
 26 $w_7 + 3 \rightarrow w_7 = w_6 + 3$
 1 $w_8 + 7$
 1 $w_9 + 11$
 26 $w_{10} + 2 \rightarrow w_{10} = w_9 + 8$
 26 $w_{11} + 12 \rightarrow w_{11} = w_8 - 6$
 26 $w_{12} + 4 \rightarrow w_{12} = w_{11} - 7$
 26 $w_{13} + 11 \rightarrow w_{13} = w_0 - 3$

max

0	1	2	3	4	5	6	7	8	9	10	11	12	13
9	9	9	9	5	9	6	9	9	11	9	3	2	6

min

0	1	2	3	4	5	6	7	8	9	10	11	12	13
4	8	1	1	1	5	1	4	7	1	9	1	1	1

$w_0 = 3$
 $w_1 = 7$
 $w_2 = w_3$
 $w_3 = 20$
 $w_4 = 26$
 $w_5 = 30$
 $w_6 = 45$