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/*
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0	1280	$\{4262, 4372, 1280, 2997, 3247, 1647, 2268\}$	0	26	$\{11, 34, 26, 44, 78, 53, 95, 32, 24, 166, 53\}$
1		$i=0 \ 4262 \% 10 = 2$	1	24	$(5 \times 11 + 2) \% 11 = 2$
2	4262	$i=0 \ 4372 \% 10 = 2 \quad h_2 = 5 - 2 \% 5 = 3$	2	11	$(5 \times 34 + 2) \% 11 = 7$
3	4372	$i=0 \ 1280 \% 10 = 0$	3	44	$(5 \times 26 + 2) \% 11 = 0$
4		$i=0 \ 2997 \% 10 = 7 \quad h_2 = 5 - 7 \% 5 = 3$	4	53	$(5 \times 44 + 2) \% 11 = 2 \quad \text{collision } 2+1=3$
5		$i=1 \ h(3247, 1) = (7 + 1 \times 3) \% 10 = 0$	5	95	$(5 \times 78 + 2) \% 11 = 7 \quad \text{collision } 7+1=8$
6	3247	$i=2 \ h(3247, 2) = (7 + 2 \times 3) \% 10 = 3$	6		$(5 \times 53 + 2) \% 11 = 3 \quad \text{collision } 3+1=4$
7	2997	$i=3 \ h(3247, 3) = (7 + 3 \times 3) \% 10 = 6$	7	34	$(5 \times 95 + 2) \% 11 = 4 \quad \text{collision } 4+1=5$
8	2268	$i=4 \ h(1647, 4) = (7 + 4 \times 3) \% 10 = 9$	8	78	$(5 \times 32 + 2) \% 11 = 8 \quad \text{collision } 8+1=9$
9	1647	$i=0 \ 2268 \% 10 = 8$	9	32	$(5 \times 24 + 2) \% 11 = 1$
			10	166	$(5 \times 166 + 2) \% 11 = 7 \quad \text{collision } 7+1=8$ $\text{collision } 8+1=9$ $\text{collision } 9+1=10$

53 is already in the list

3.	0	26
1	1	44
2	2	11
3	3	53
4	4	95
5	5	24
6	6	53
7	7	34
8	8	78
9	9	32
10	10	166

$$\{11, 34, 26, 44, 78, 53, 95, 32, 24, 166, 53\}$$

$$(5 \times 11 + 2) \% 11 = 2$$

$$(34 \times 5 + 2) \% 11 = 7$$

$$(5 \times 26 + 2) \% 11 = 0$$

$$(5 \times 44 + 2) \% 11 = 0 \quad h_0 = (0+0) \% 11 = 0$$

$$h_1 = (0+1) \% 11 = 1$$

$$(5 \times 78 + 2) \% 11 = 7 \quad h_0 = (7+0) \% 11 = 7$$

$$h_1 = (7+1) \% 11 = 8$$

$$(5 \times 53 + 2) \% 11 = 3$$

$$(5 \times 95 + 2) \% 11 = 4$$

$$(5 \times 32 + 2) \% 11 = 8 \quad h_0 = (8+0) \% 11 = 8$$

$$h_1 = (8+1) \% 11 = 9$$

$$(24 \times 5 + 2) \% 11 = 1 \quad h_0 = (1+0) \% 11 = 1$$

$$h_1 = (1+1^2) \% 11 = 2$$

$$h_2 = (1+2^2) \% 11 = 5$$

$$(166 \times 5 + 2) \% 11 = 7 \quad h_0 = (7+0) \% 11 = 7$$

$$h_1 = (7+1) \% 11 = 8$$

$$h_2 = (7+2^2) \% 11 = 0$$

$$h_3 = (7+3^2) \% 11 = 5$$

$$h_4 = (7+4^2) \% 11 = 1$$

$$h_5 = (7+5^2) \% 11 = 10$$

53 is already in the list

4.	0	135
1	1	
2	2	
3	3	12
4	4	40 → 13
5	5	203 → 86
6	6	
7	7	331
8	8	17 → 8

$$\{40, 203, 17, 135, 331, 13, 86, 12, 8\}$$

$$40 \% 9 = 4$$

$$12 \% 9 = 3$$

$$203 \% 9 = 5$$

$$8 \% 9 = 8$$

$$17 \% 9 = 8$$

$$135 \% 9 = 0$$

$$331 \% 9 = 7$$

$$13 \% 9 = 4$$

$$86 \% 9 = 5$$