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*A study of the inconstancy of intelligence in relation  
to the problems of selection for secondary education at  
eleven plus*

John Clifford Daniels

### How to cite:

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Example No. 1

A	B	C
B	C	A
C	A	

1  
A

2  
B

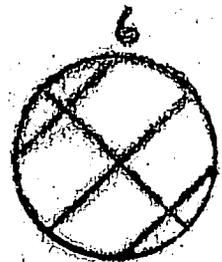
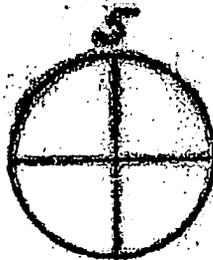
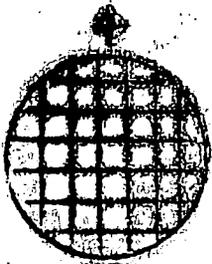
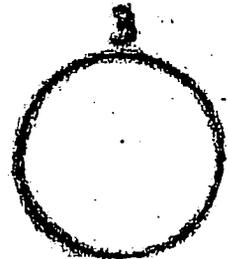
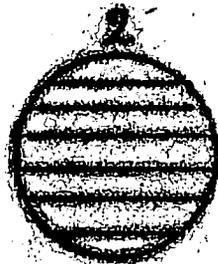
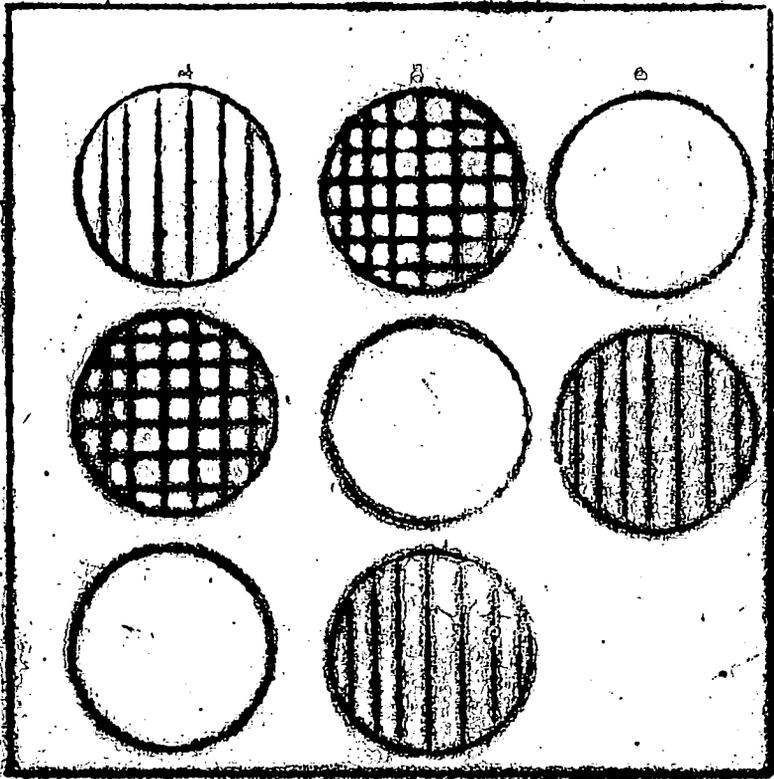
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AB

4  
C

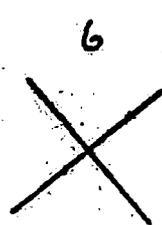
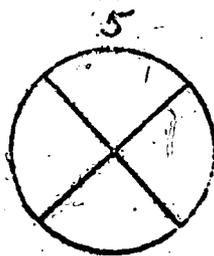
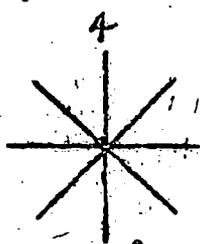
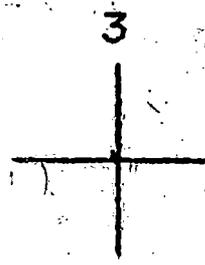
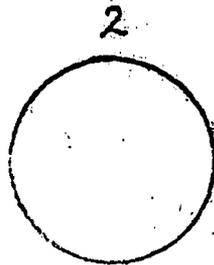
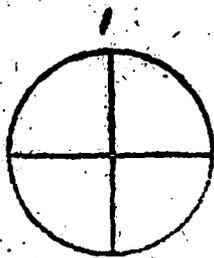
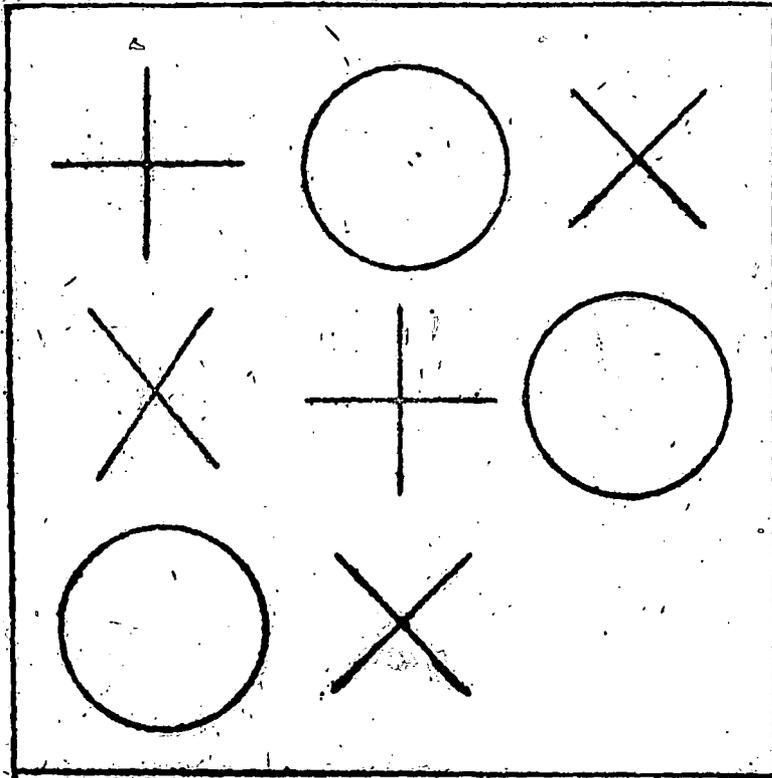
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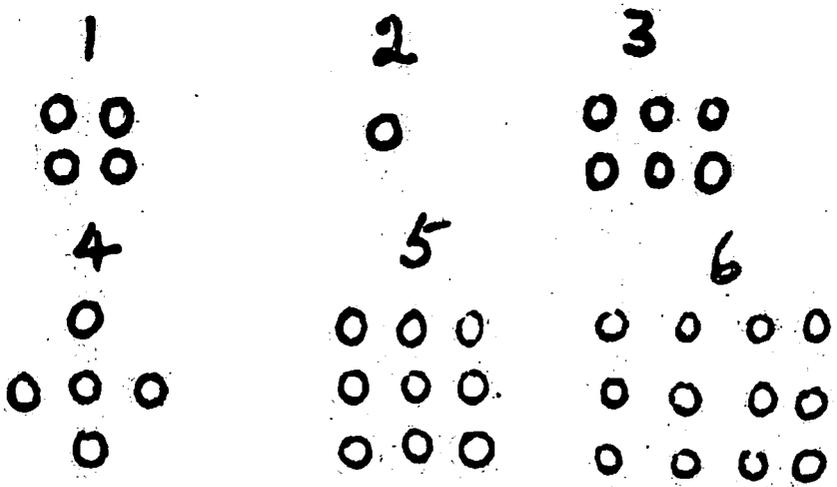
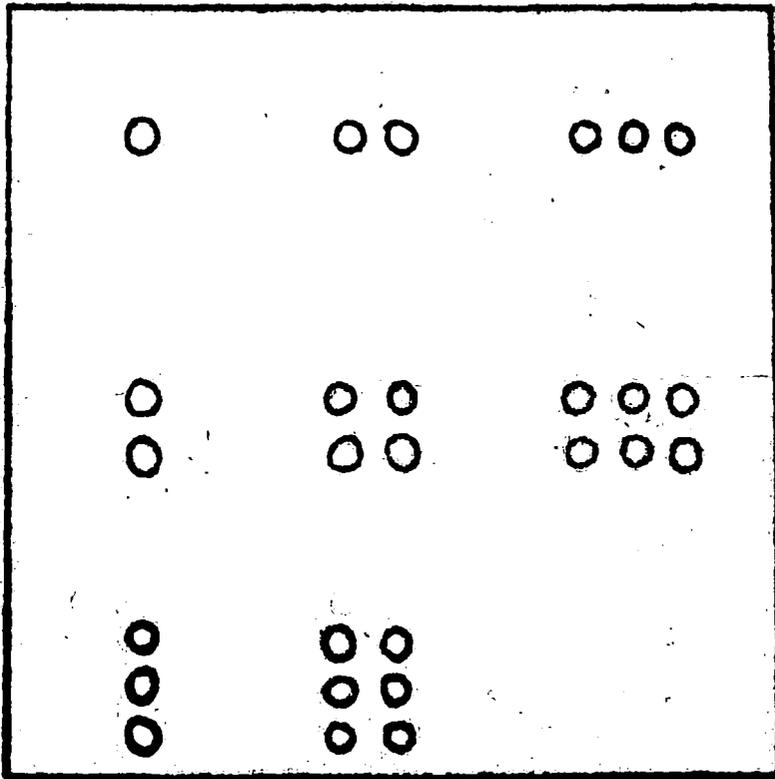
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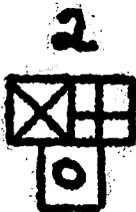
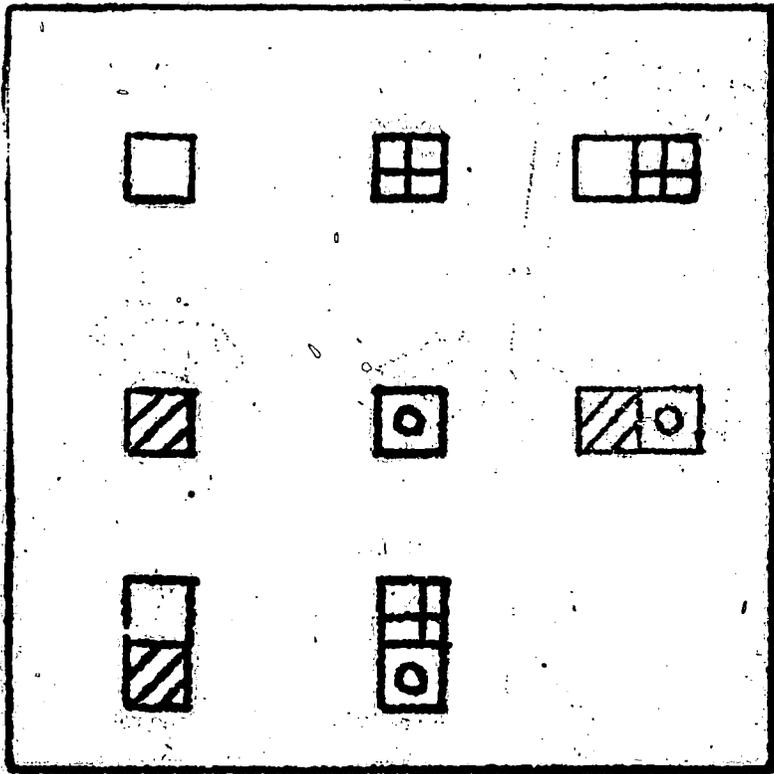


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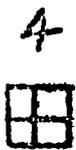
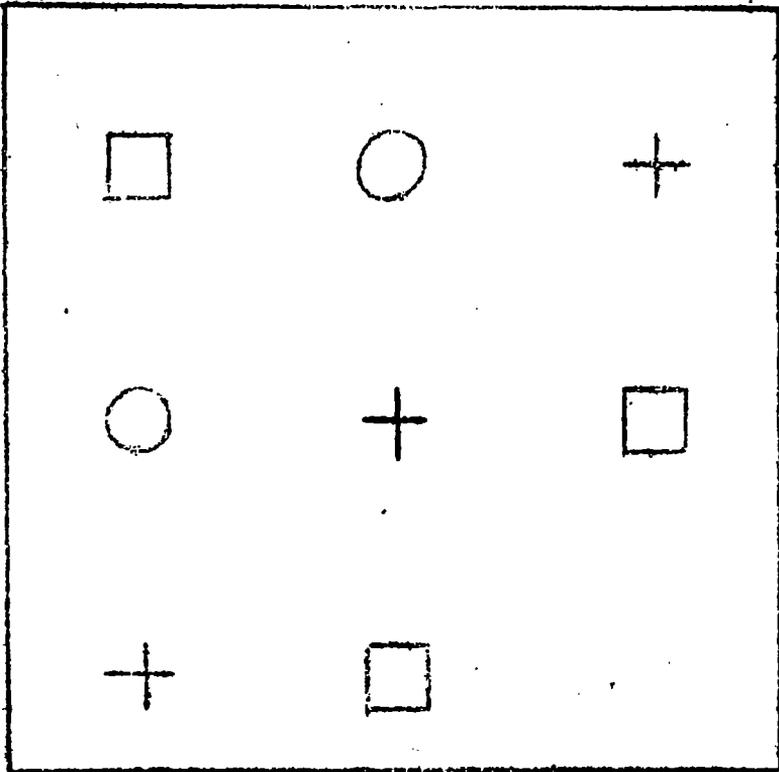
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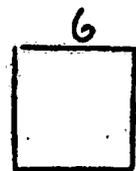
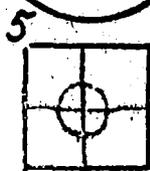
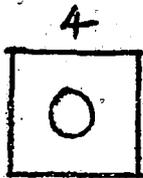
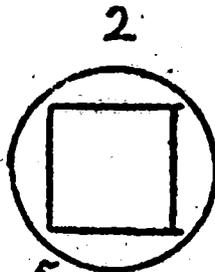
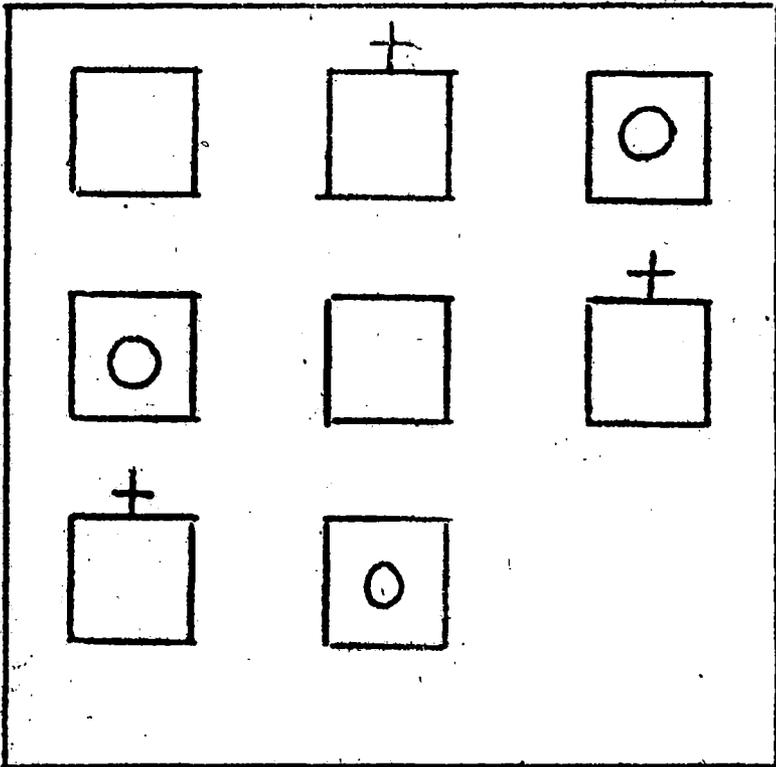


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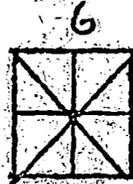
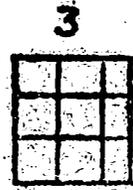
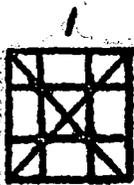
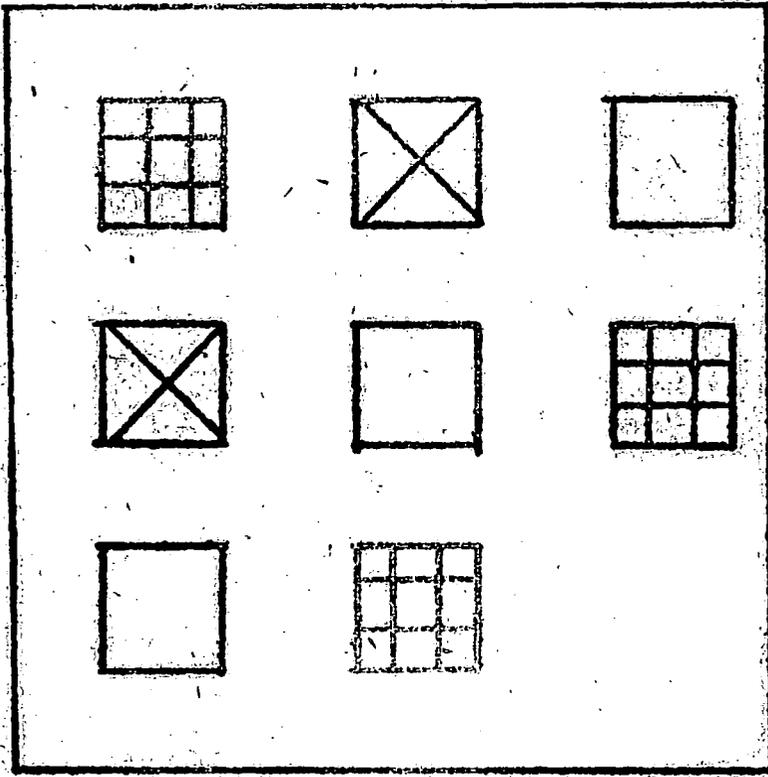
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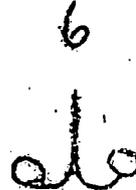
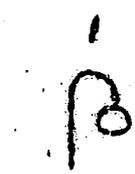
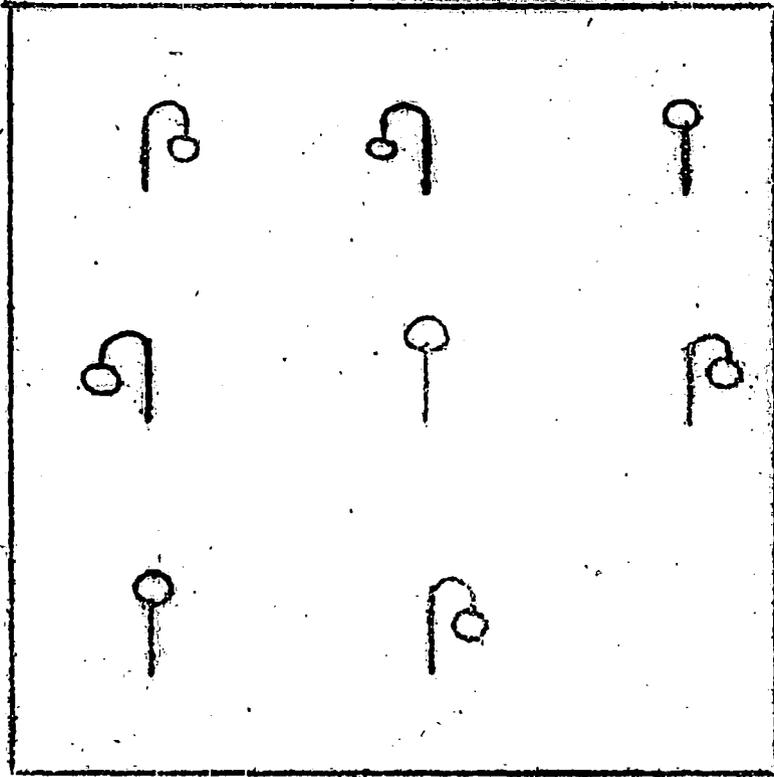


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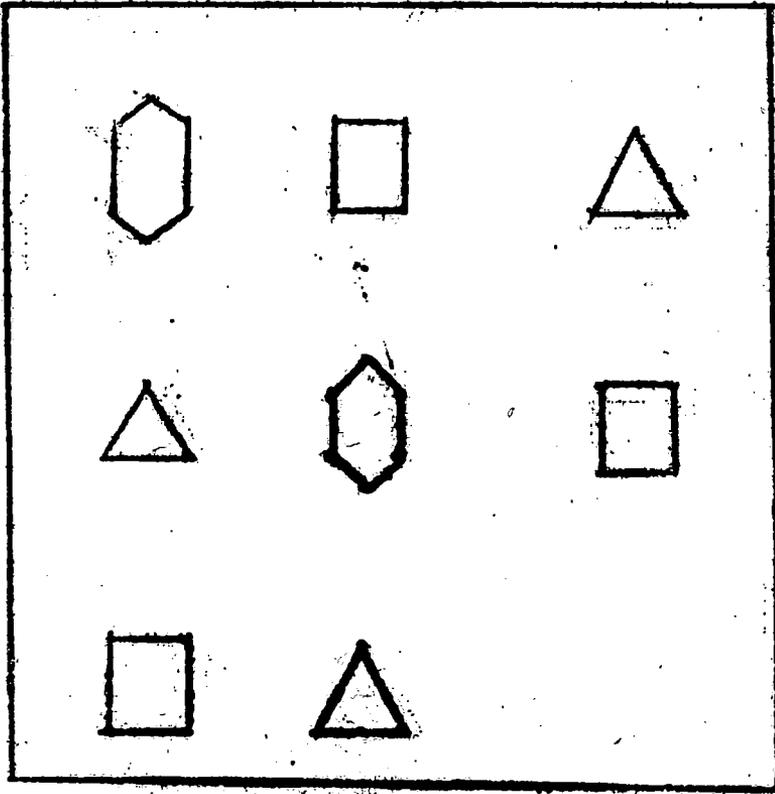


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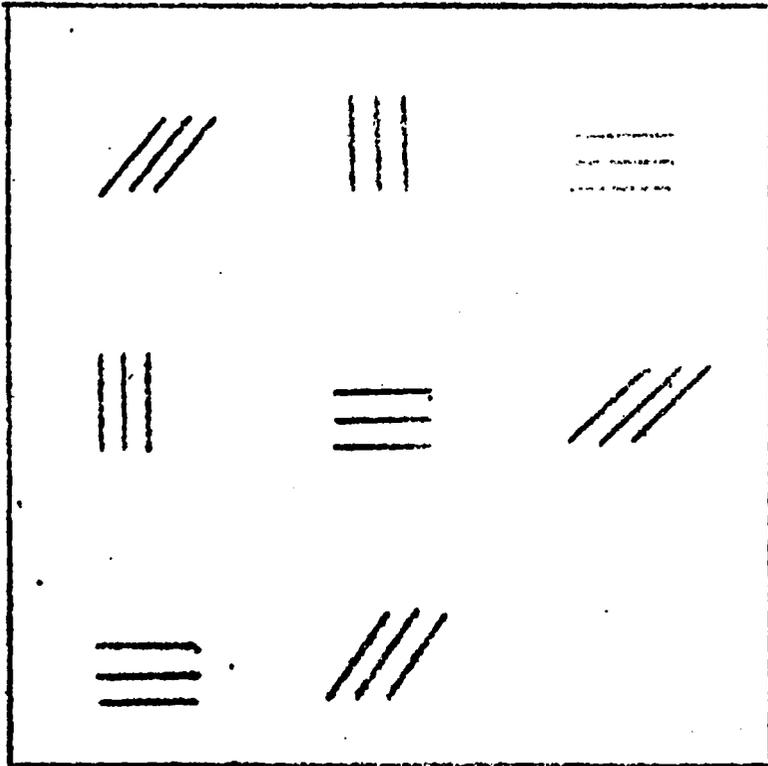




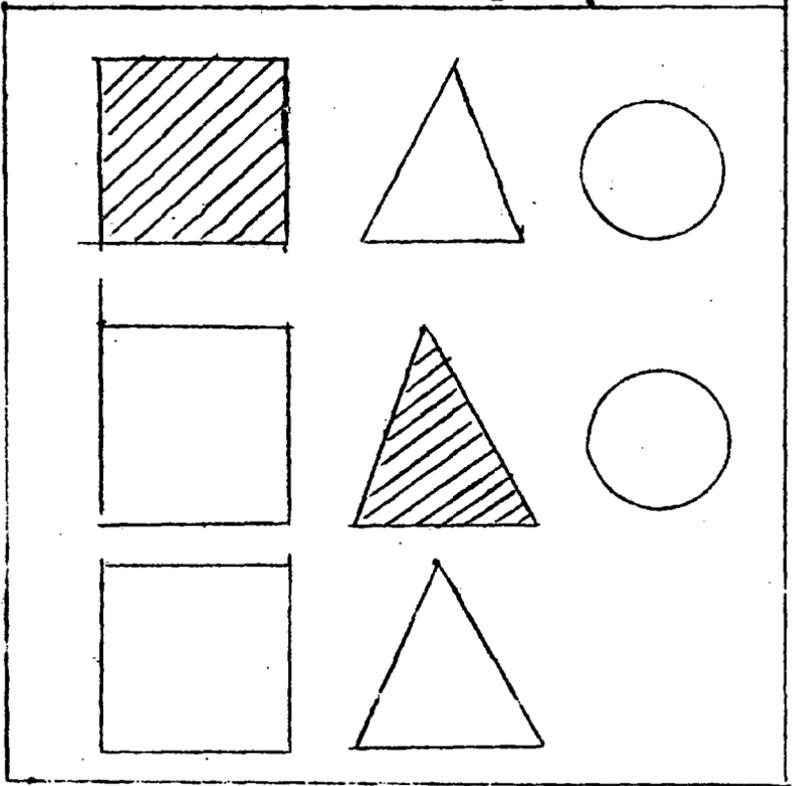
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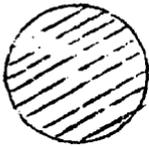
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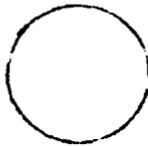
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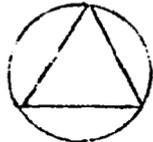
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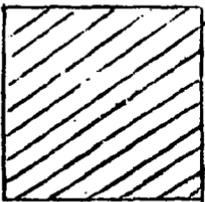
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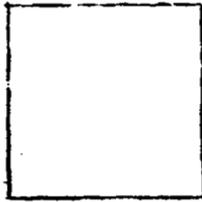
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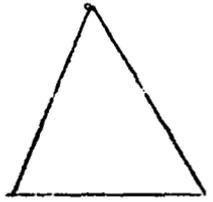
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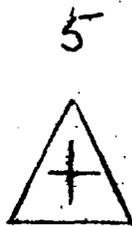
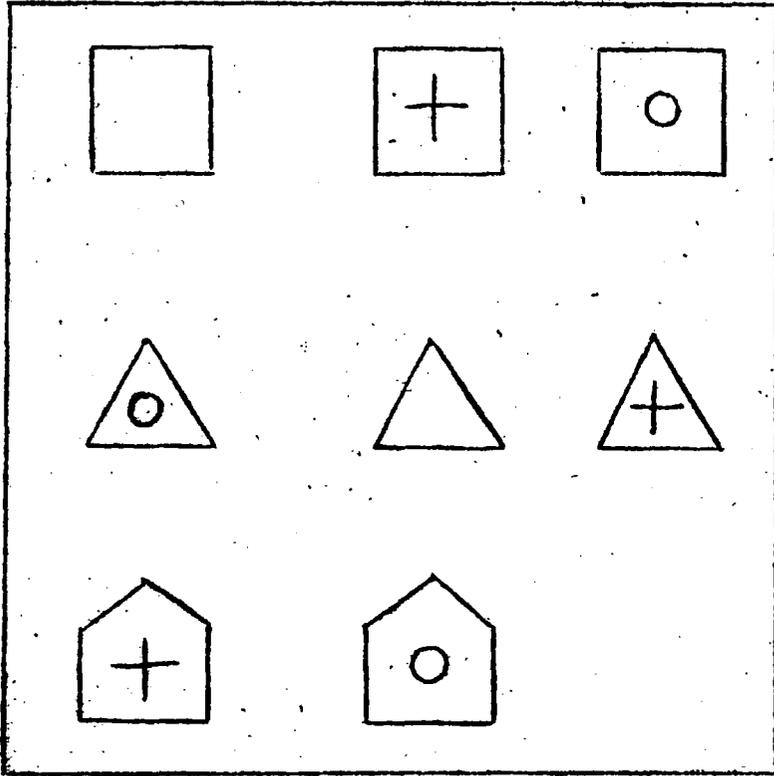
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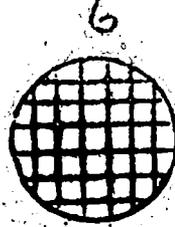
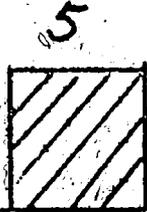
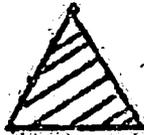
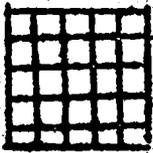
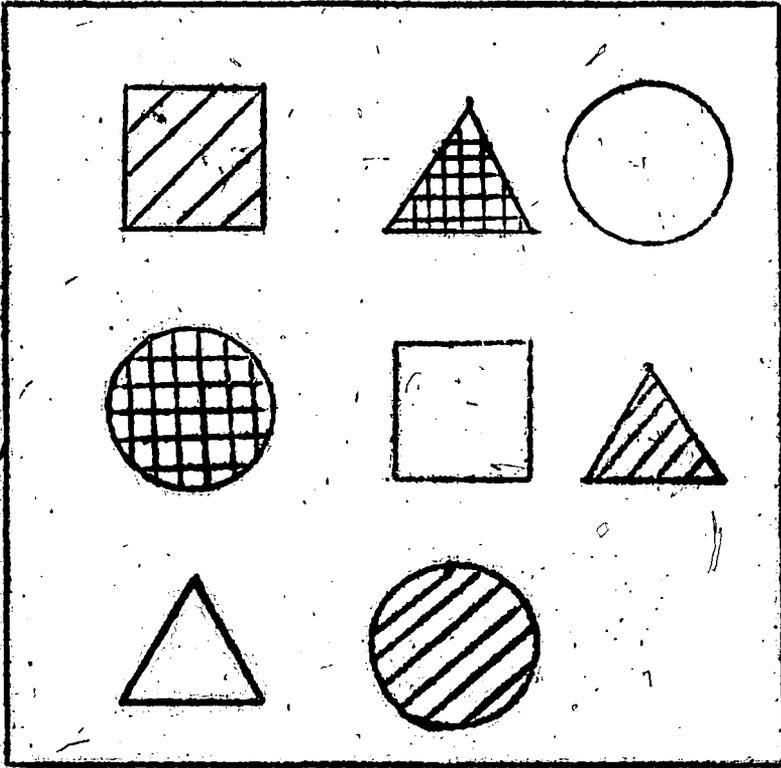
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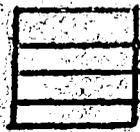
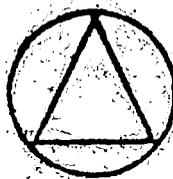
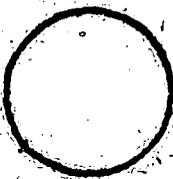
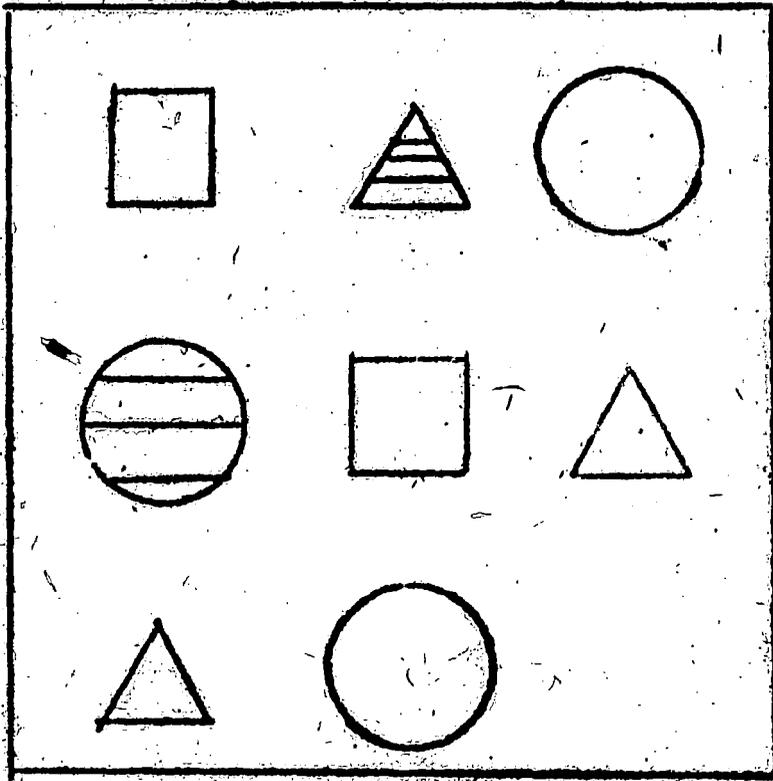
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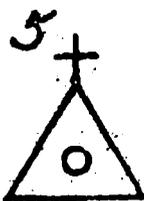
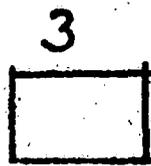
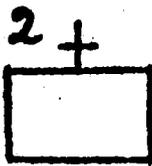
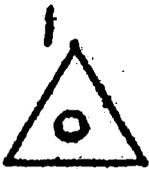
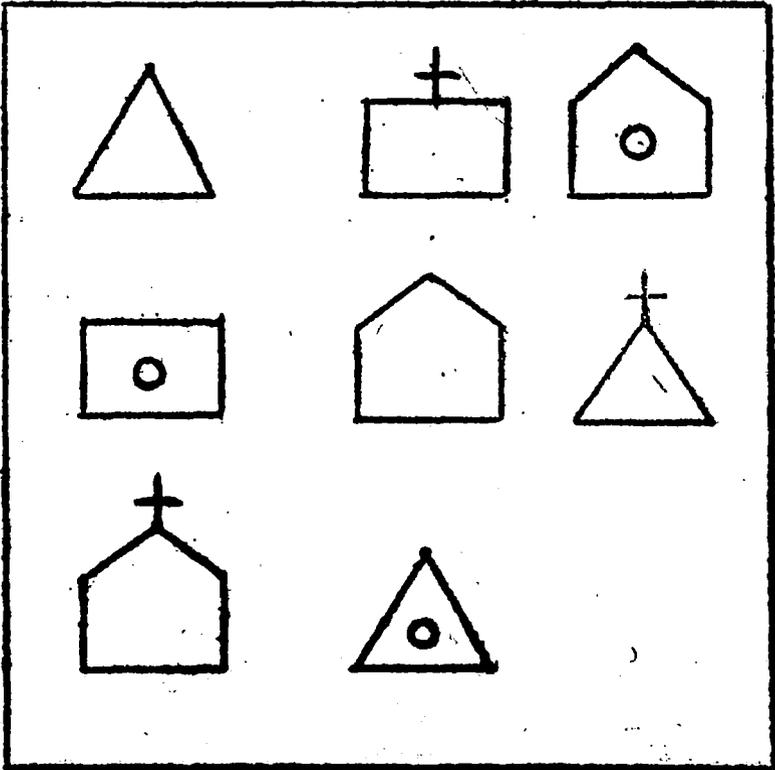
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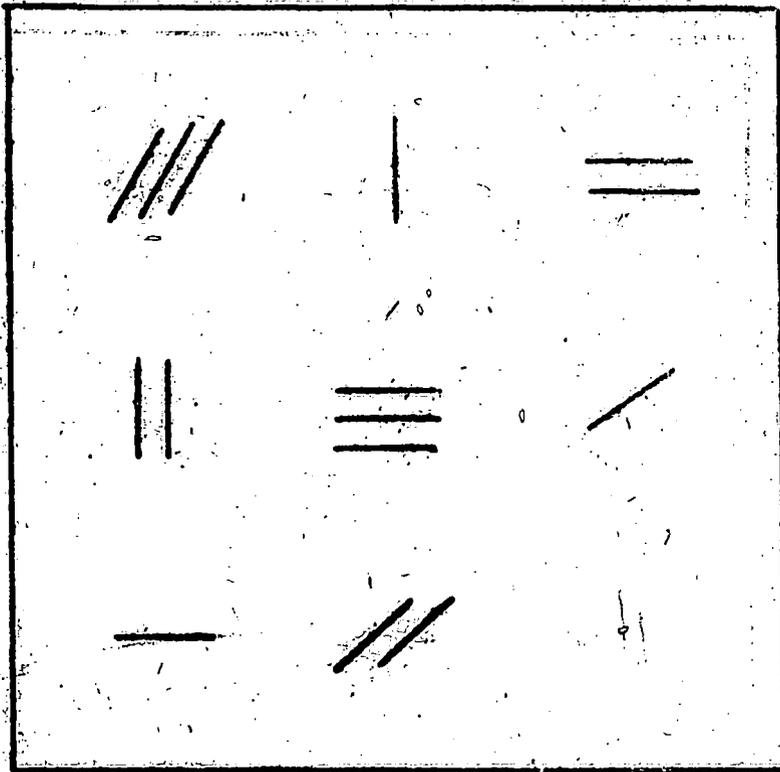
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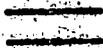
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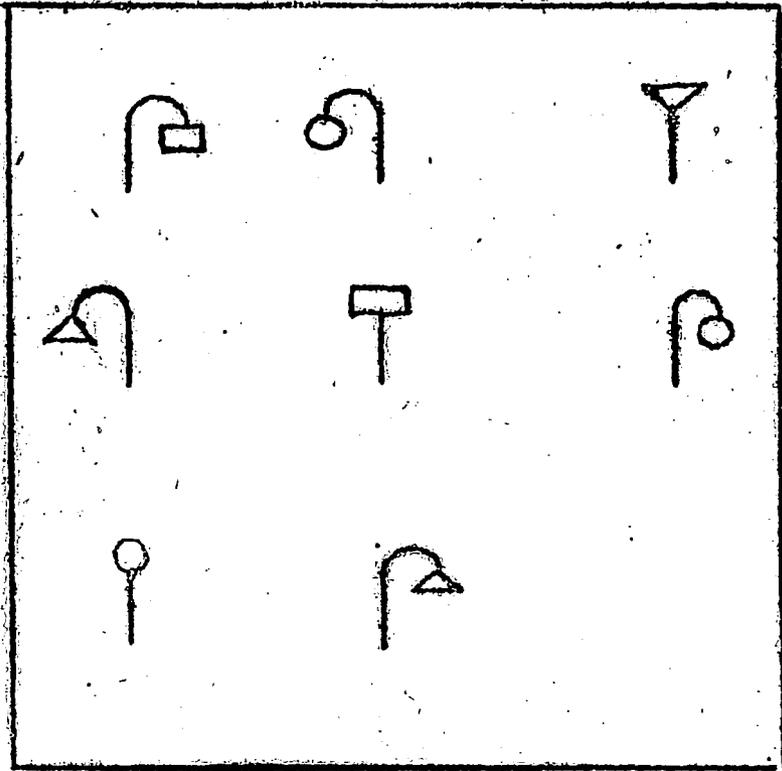
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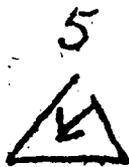
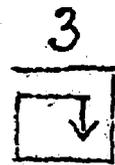
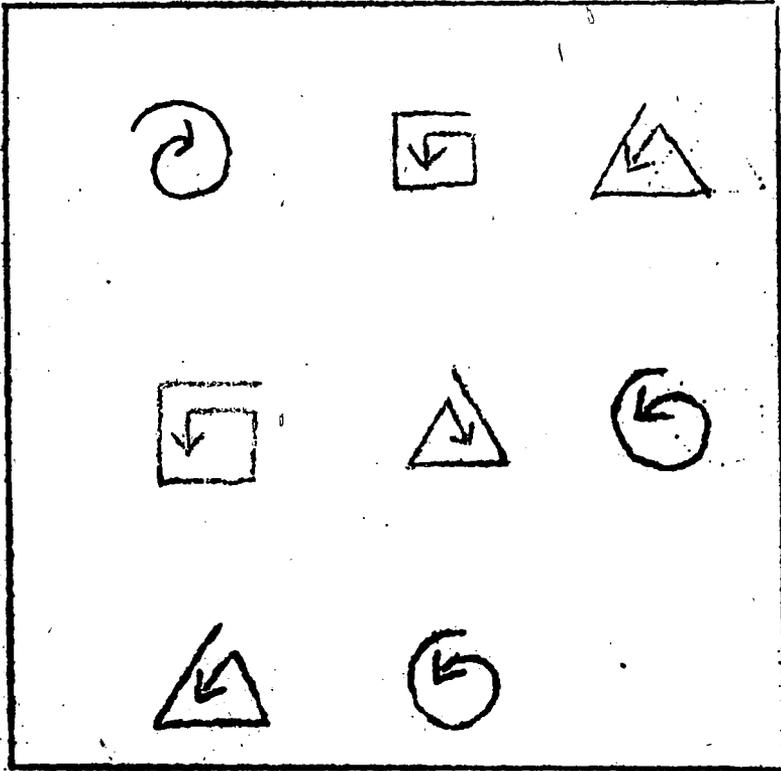
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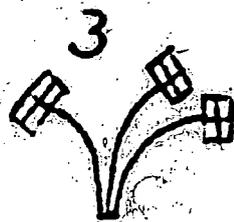
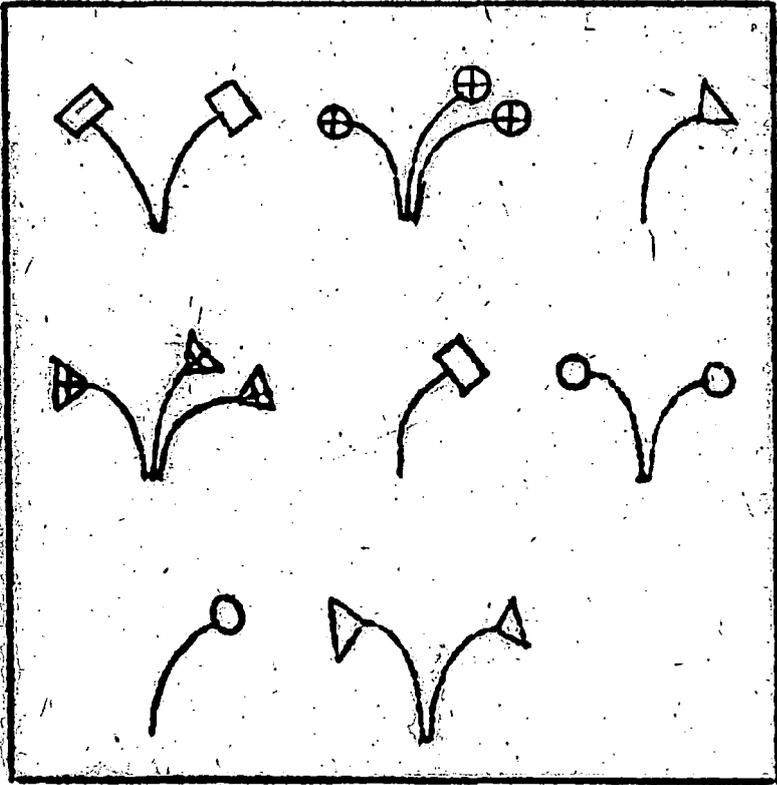
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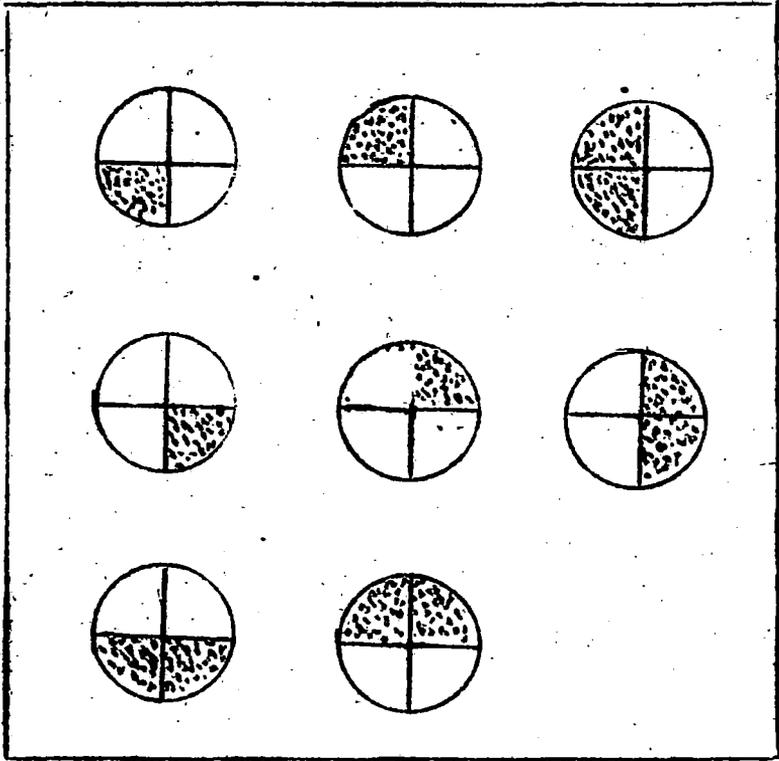
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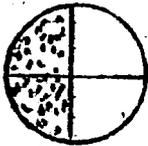
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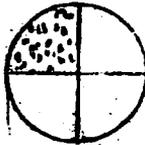
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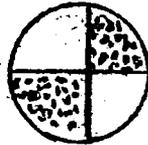
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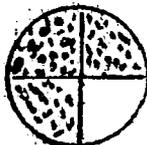
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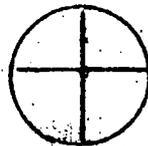
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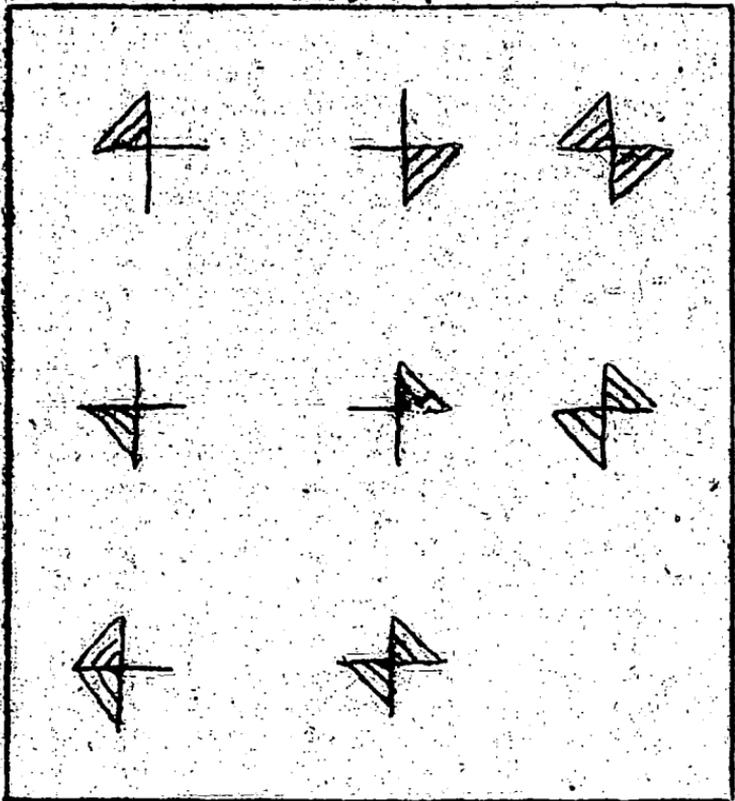
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No 17



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2



3



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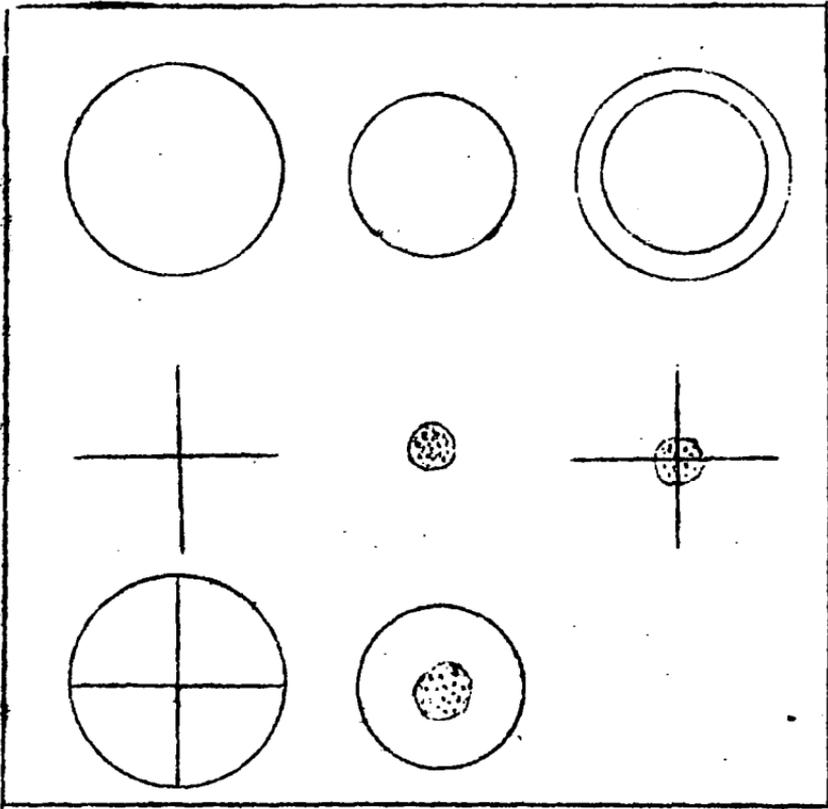
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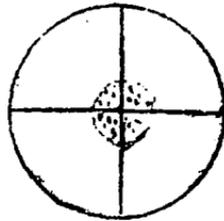
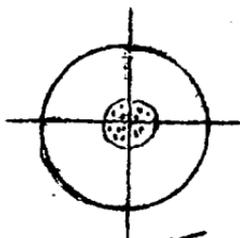
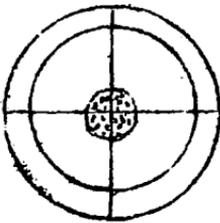
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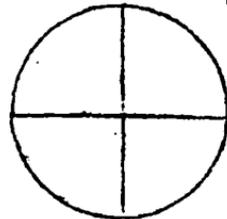
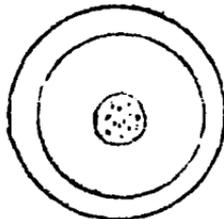
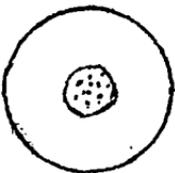
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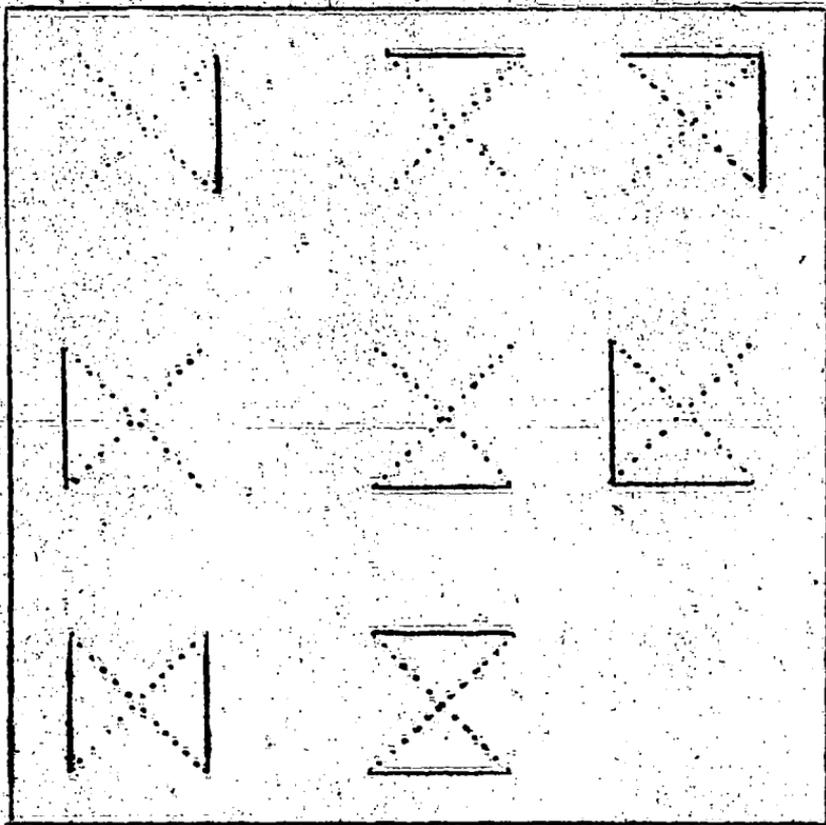
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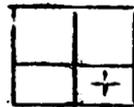
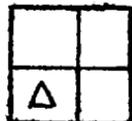
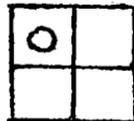
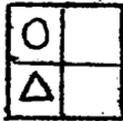
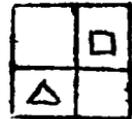
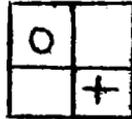
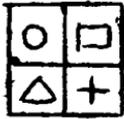
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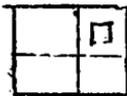
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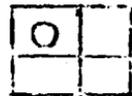
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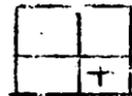
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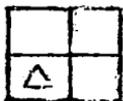
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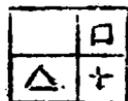
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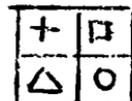
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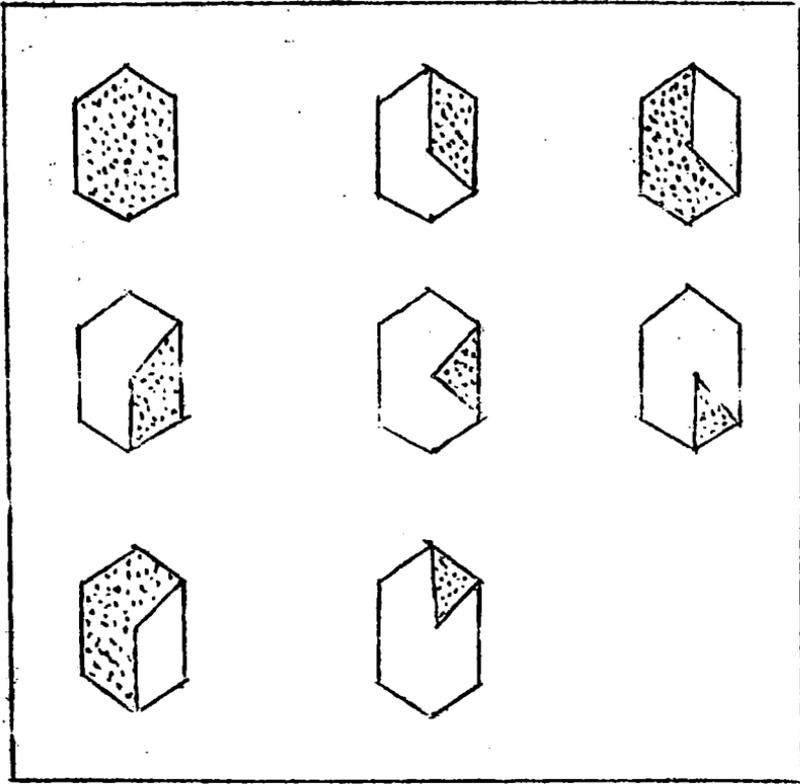
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No. 21



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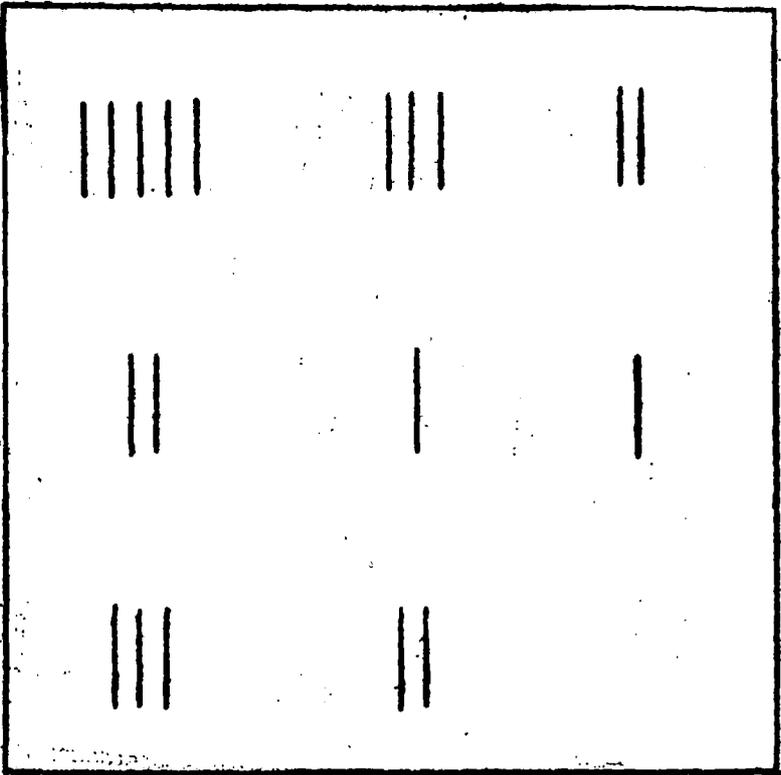
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No. 22



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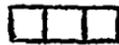
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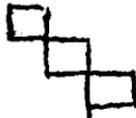
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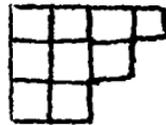
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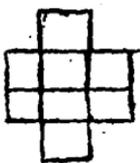
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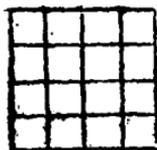
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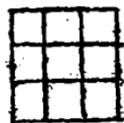
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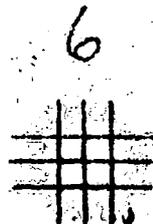
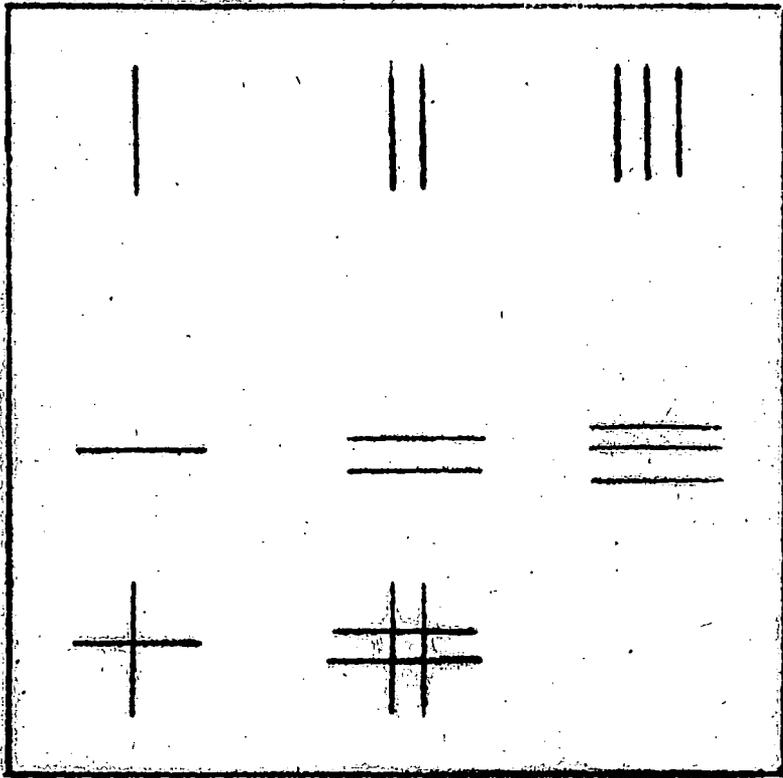
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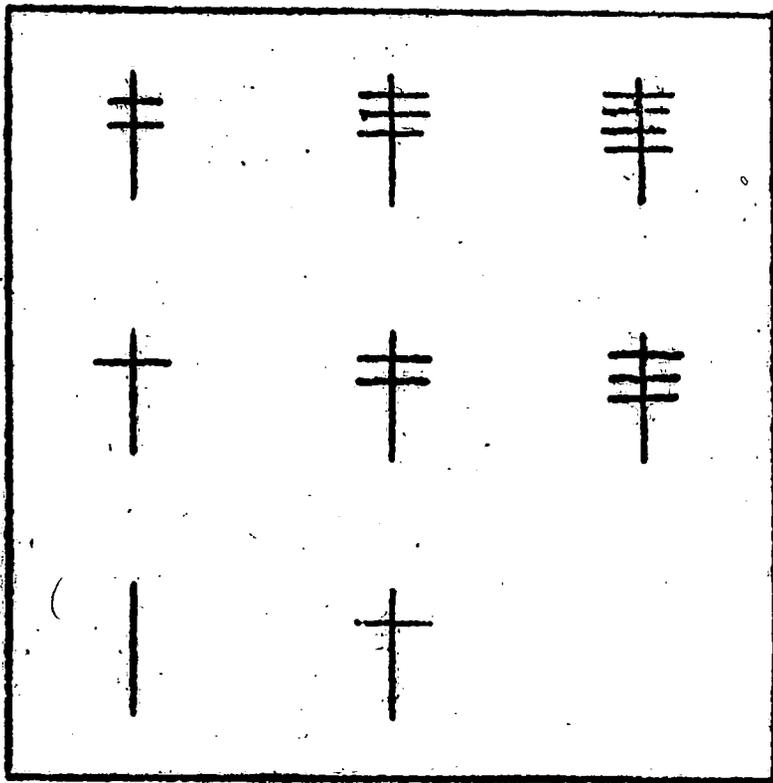


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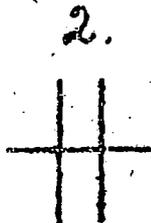
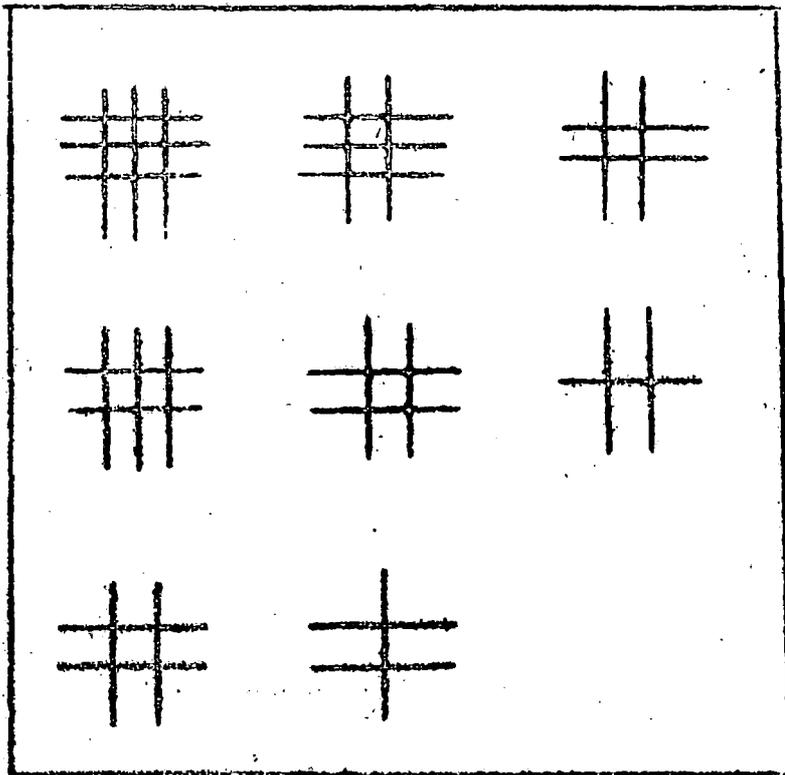


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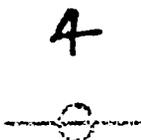
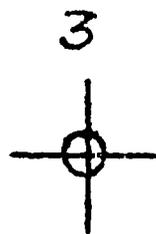
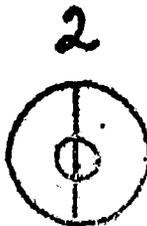
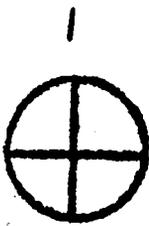
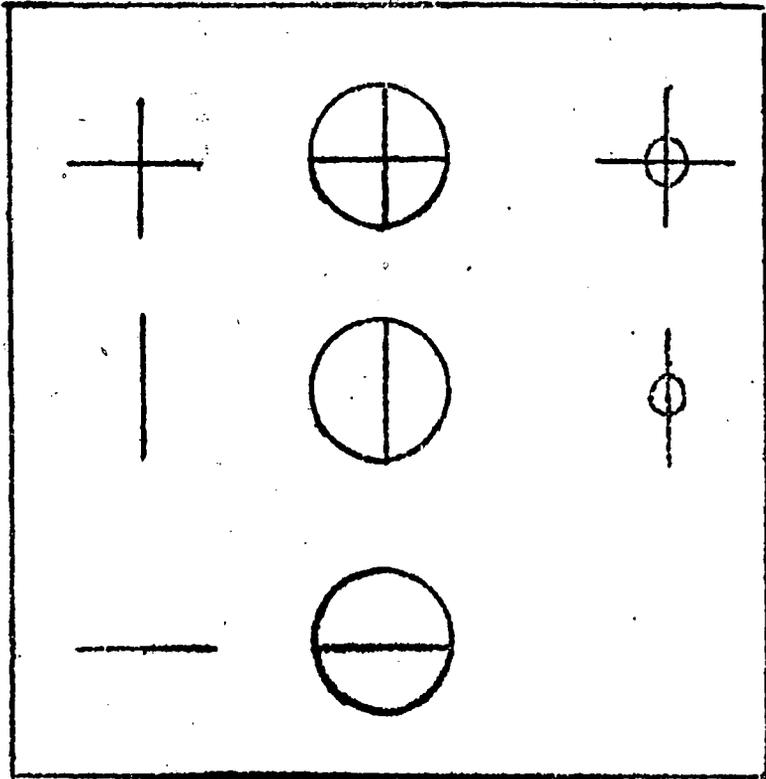
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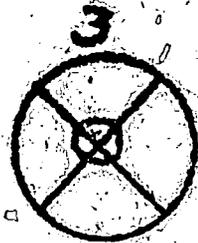
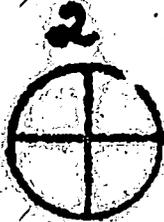
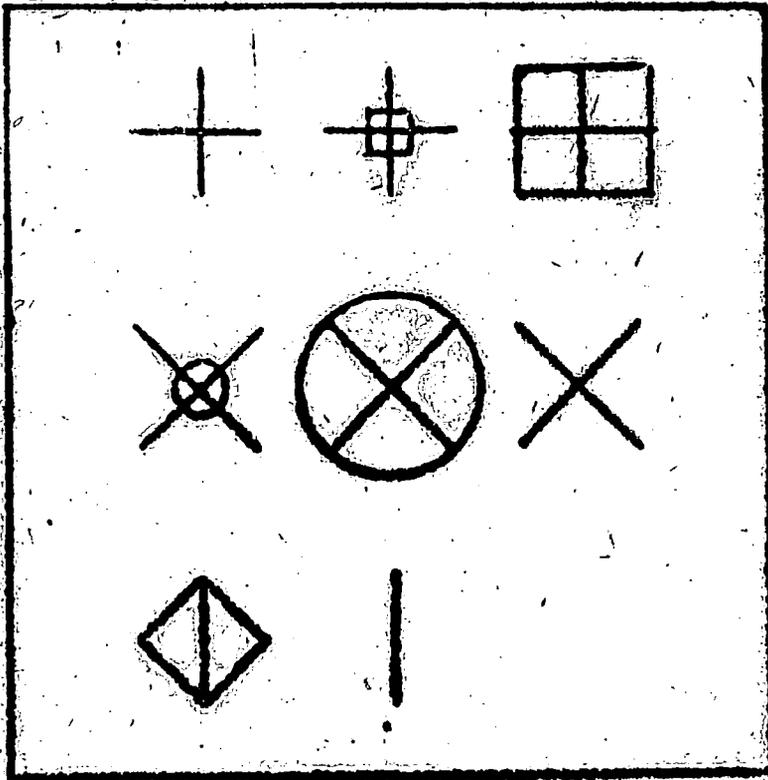
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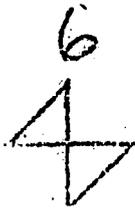
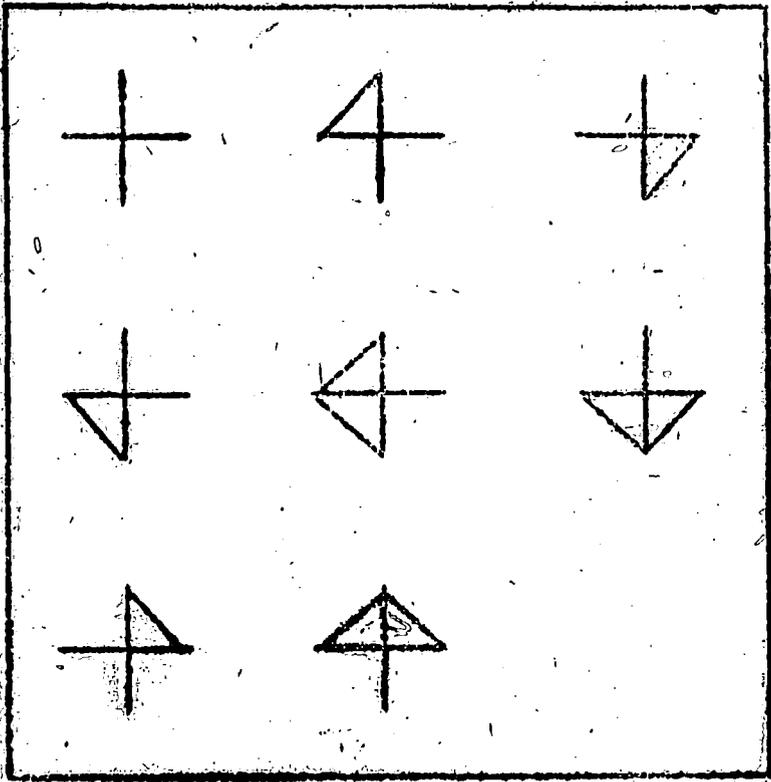
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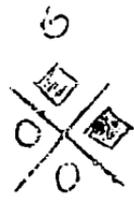
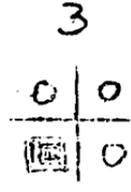
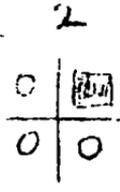
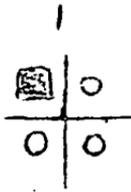
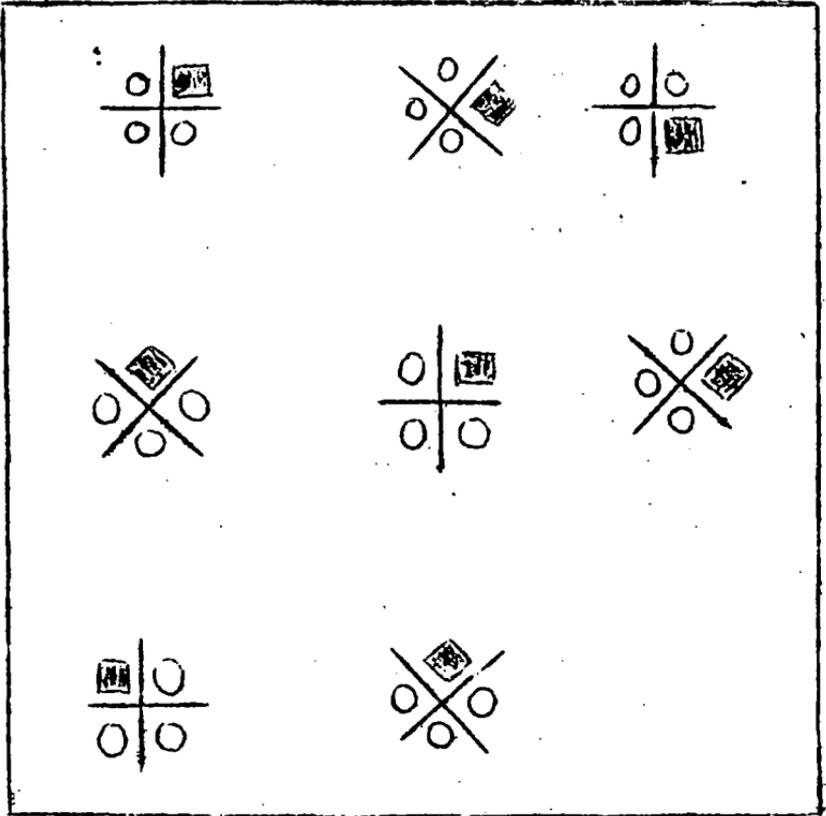
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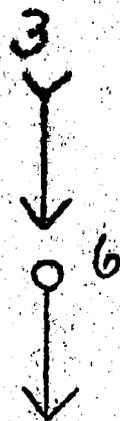
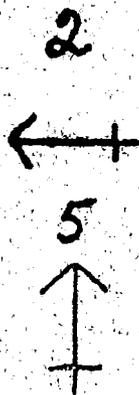
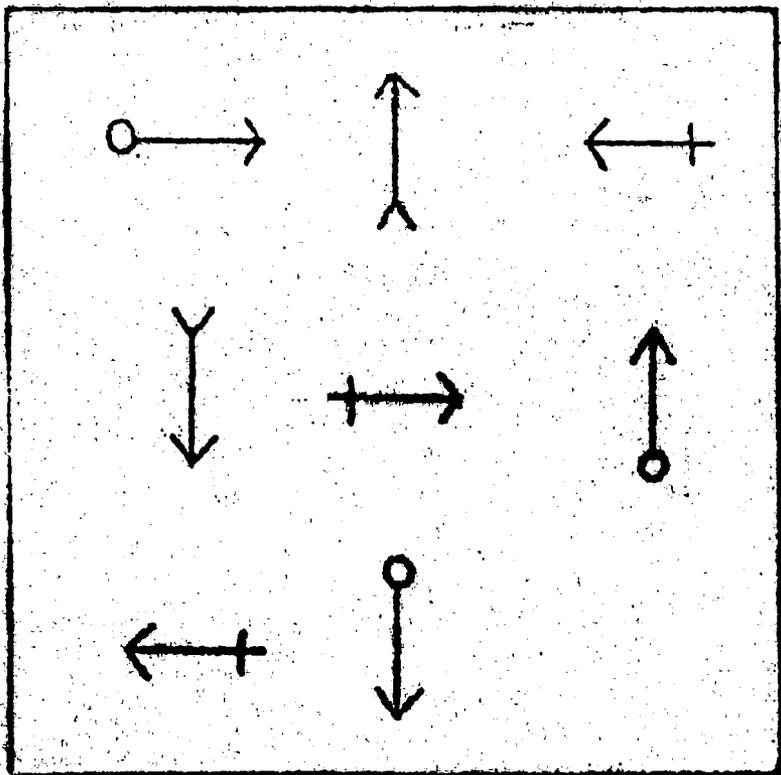
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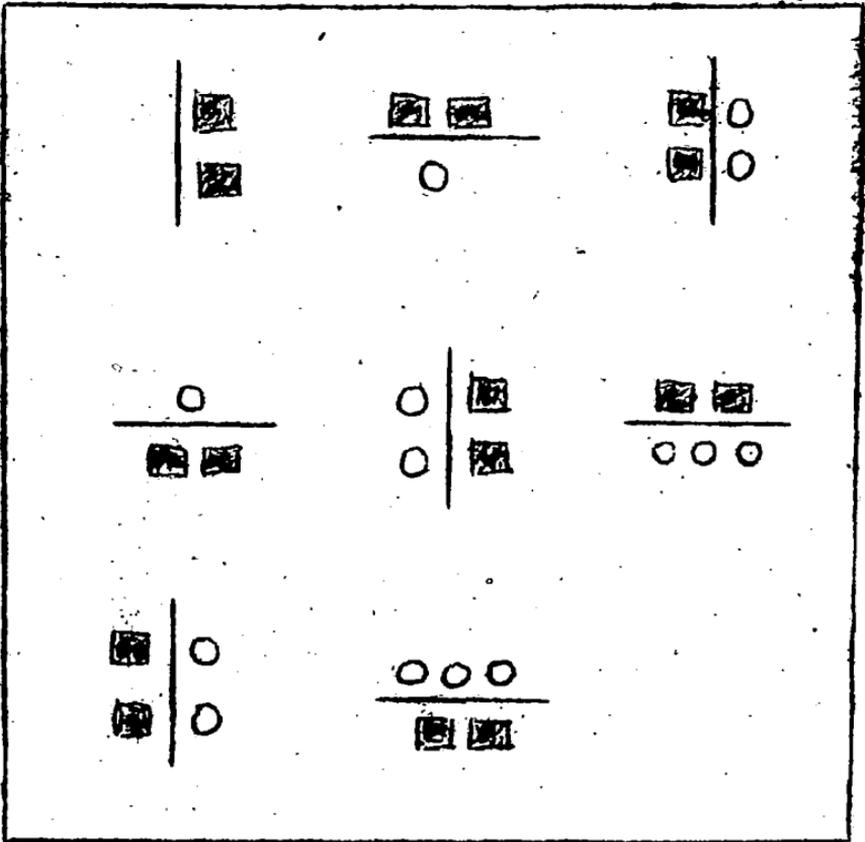
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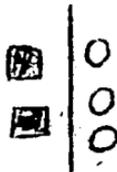
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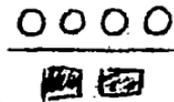
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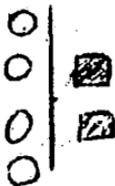
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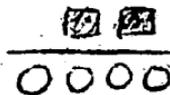
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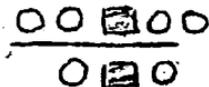
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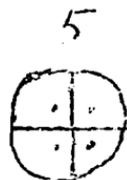
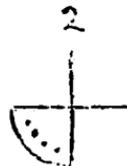
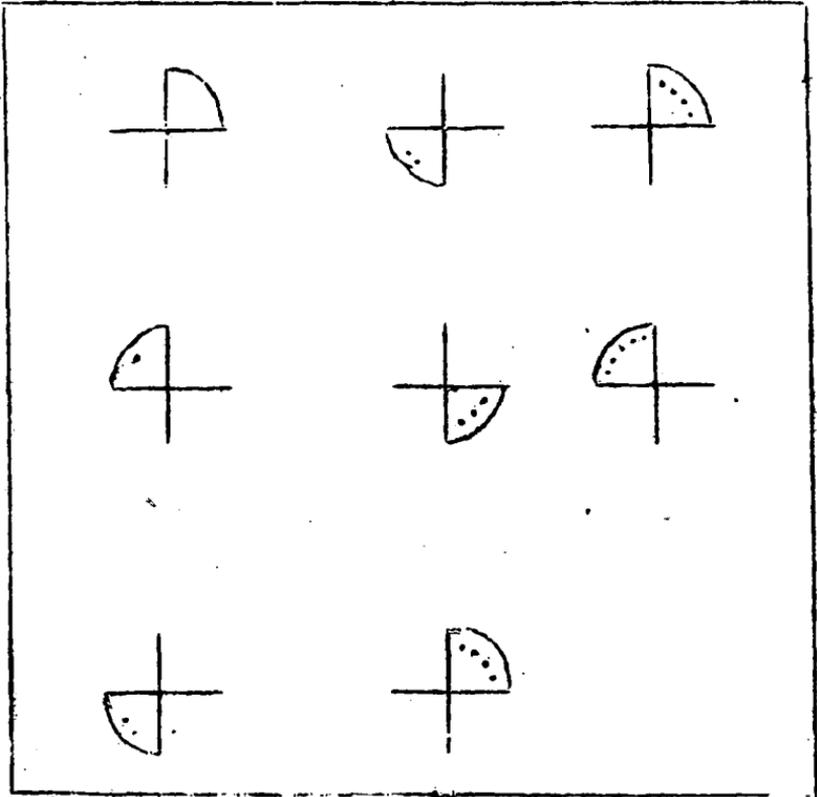
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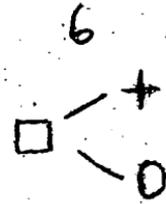
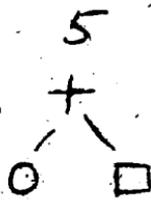
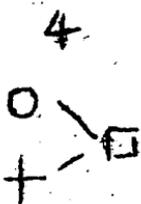
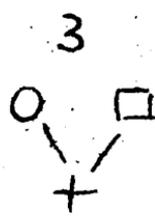
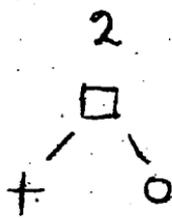
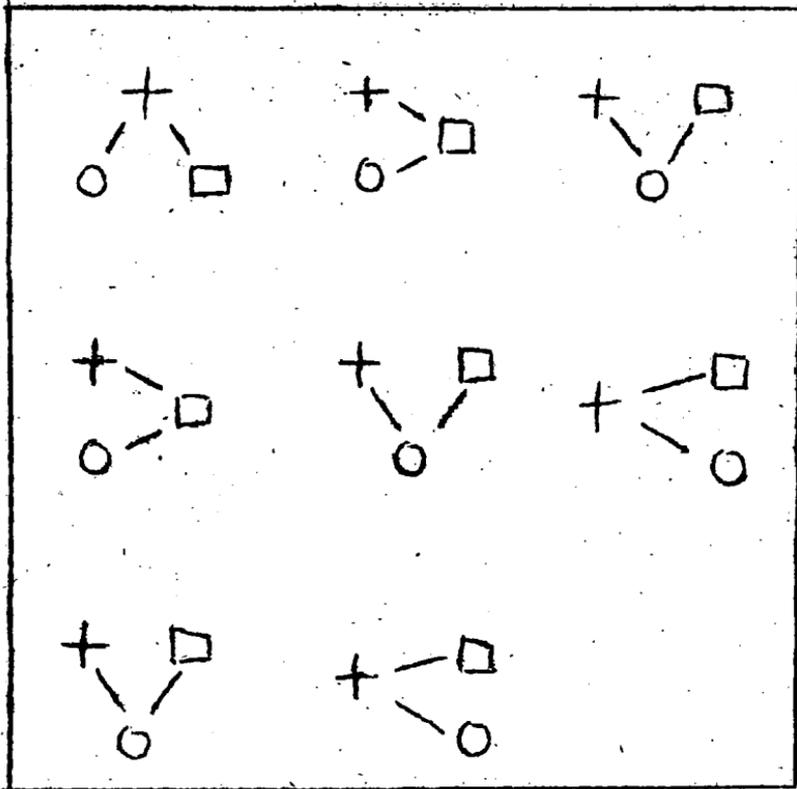


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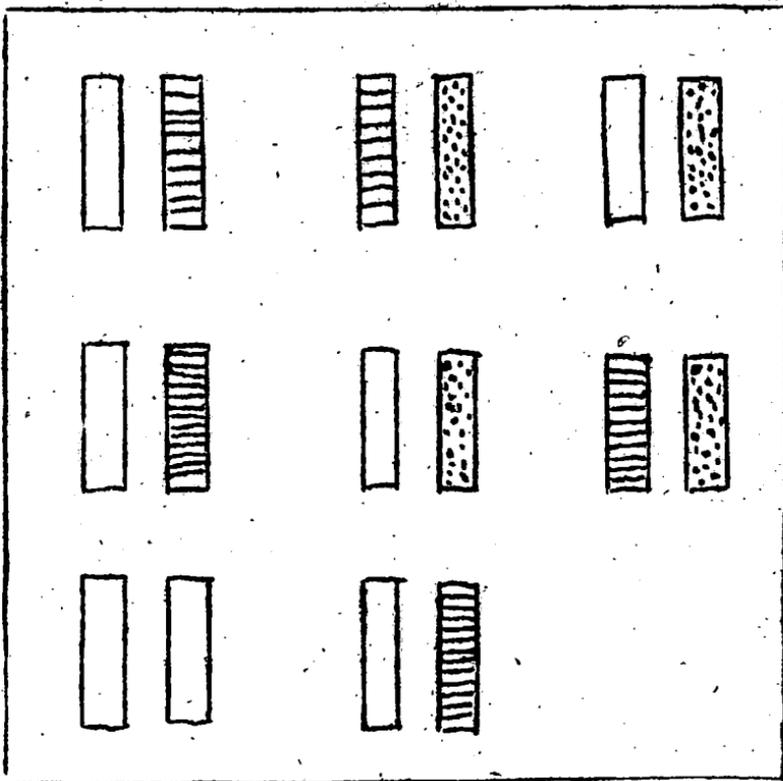


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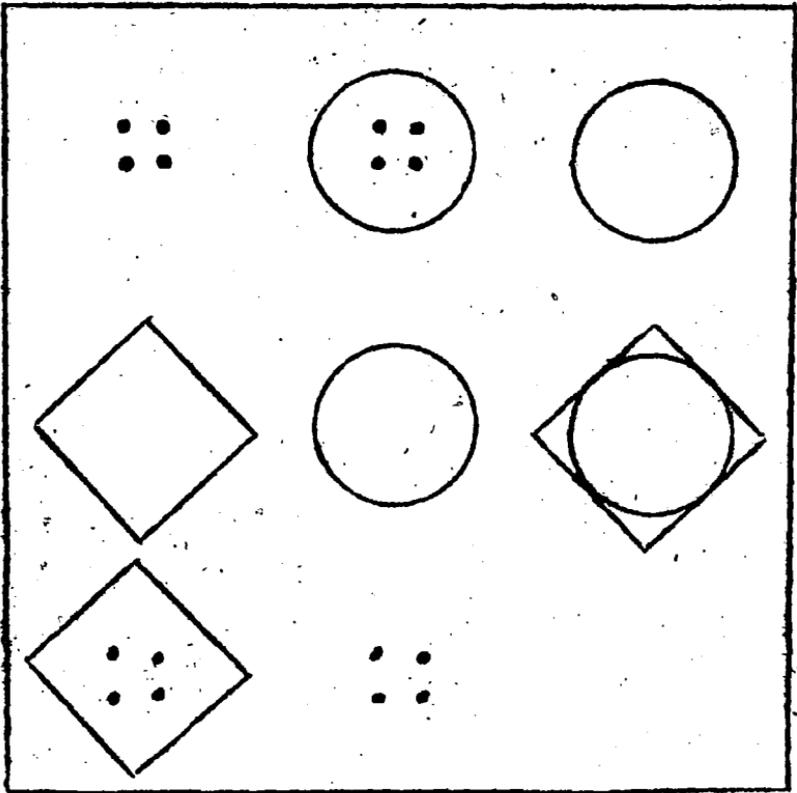




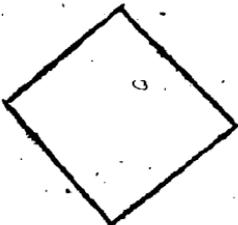
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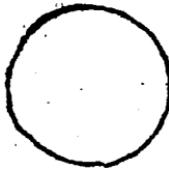
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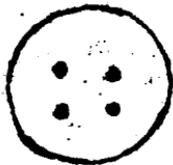
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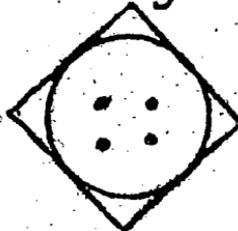
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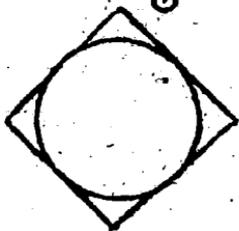
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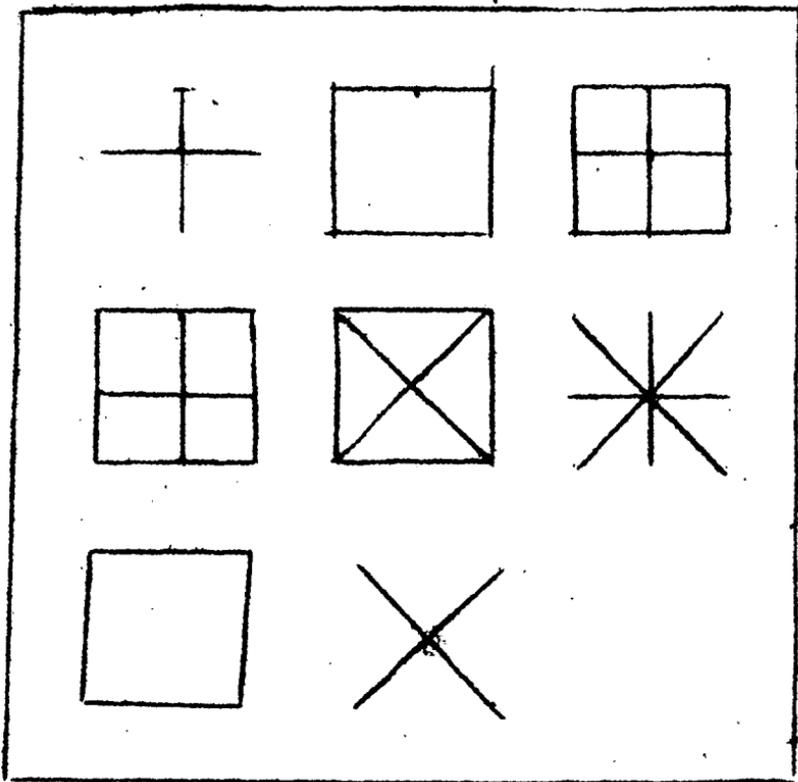
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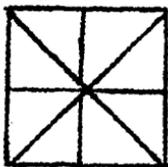
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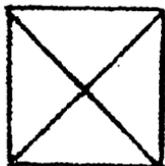
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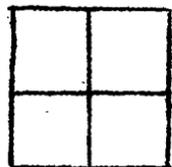
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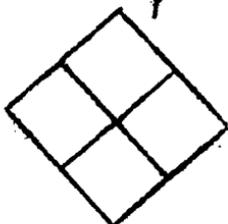
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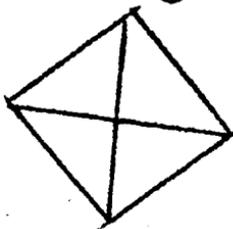
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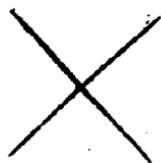
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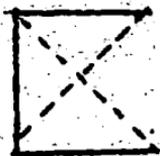
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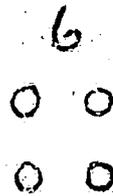
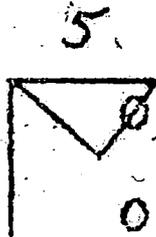
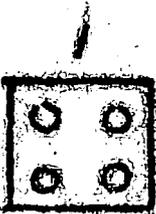
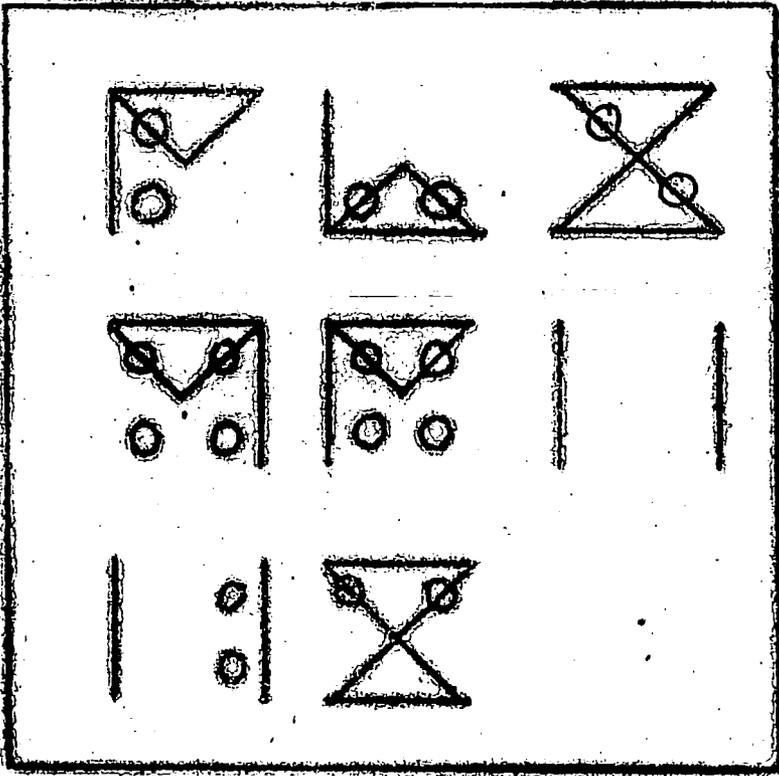


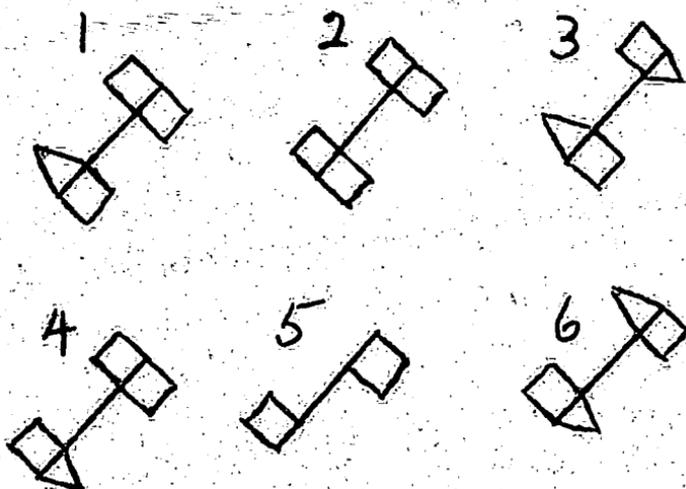
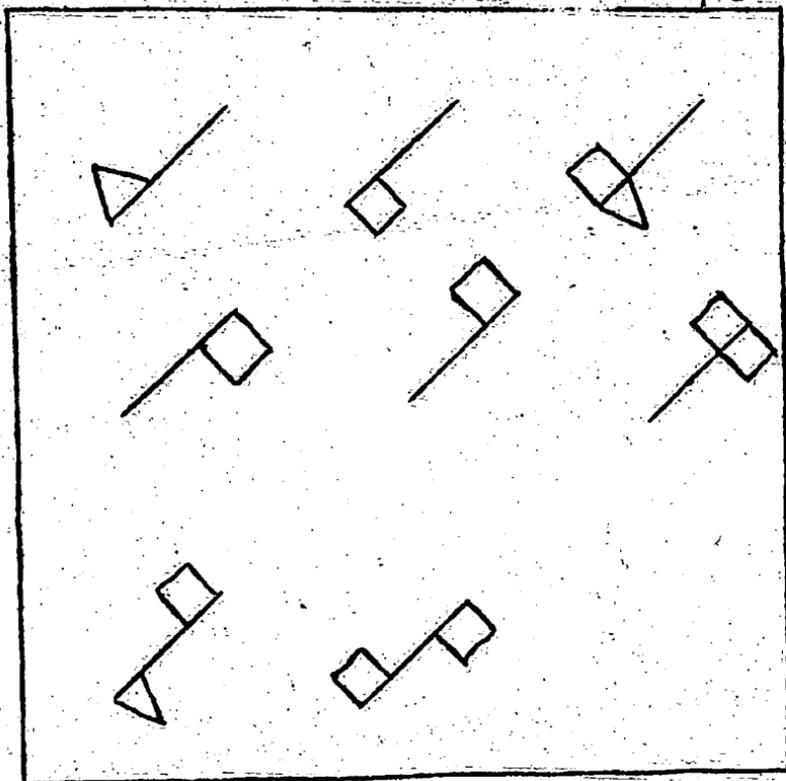
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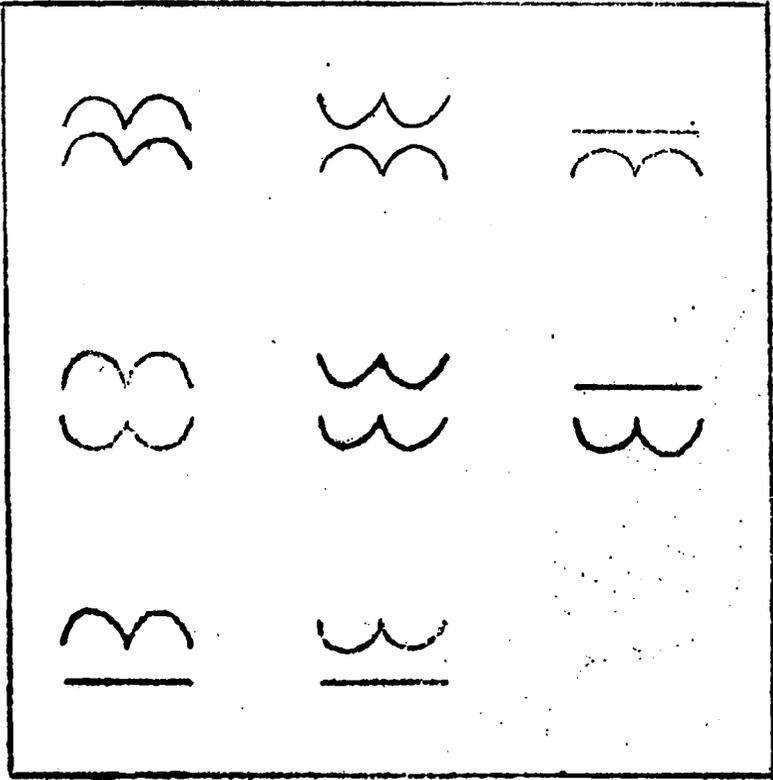


No 38









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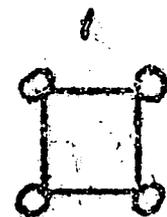
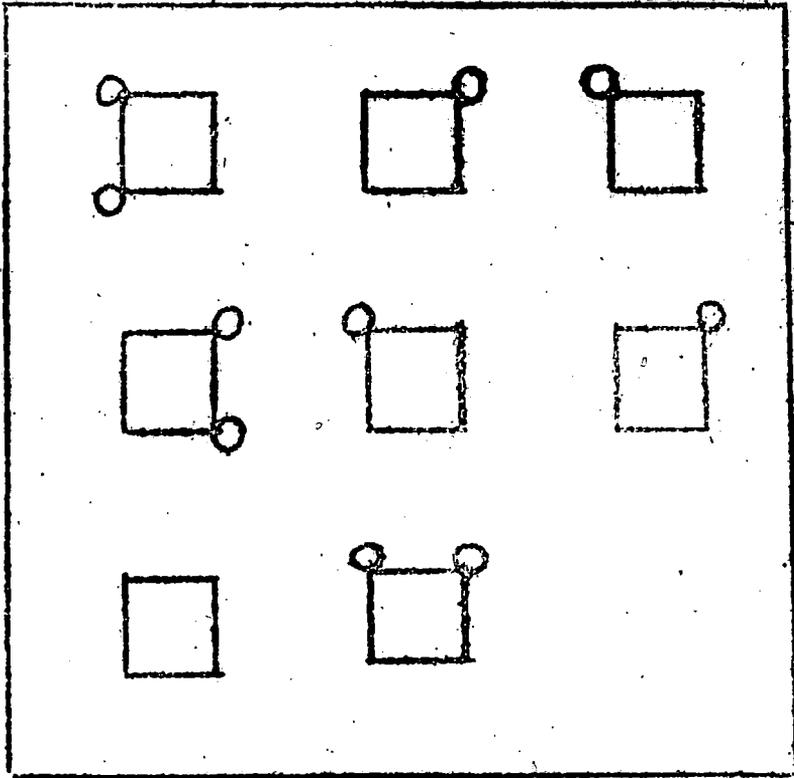
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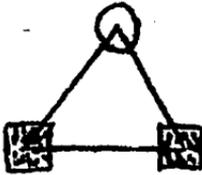
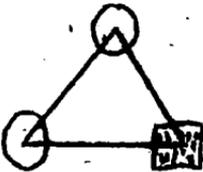
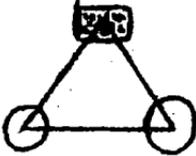
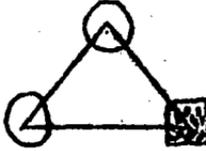
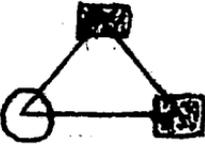
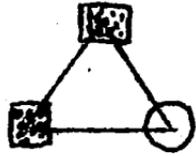
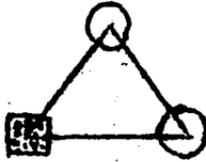
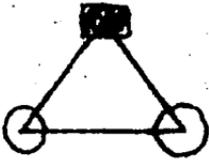
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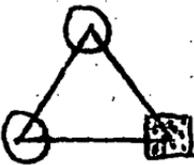
N° 42



No. 43



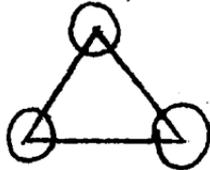
1



2



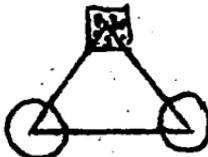
3



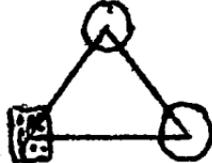
4



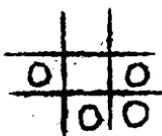
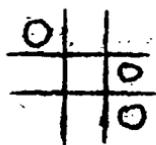
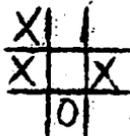
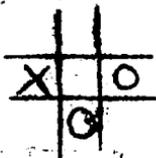
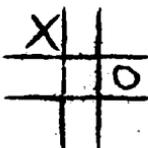
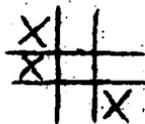
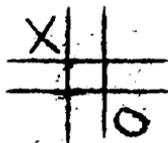
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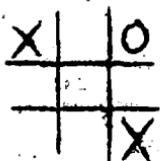
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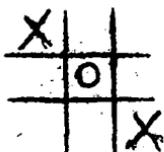
No 44



1



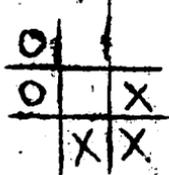
2



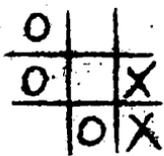
3



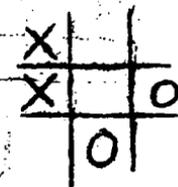
4



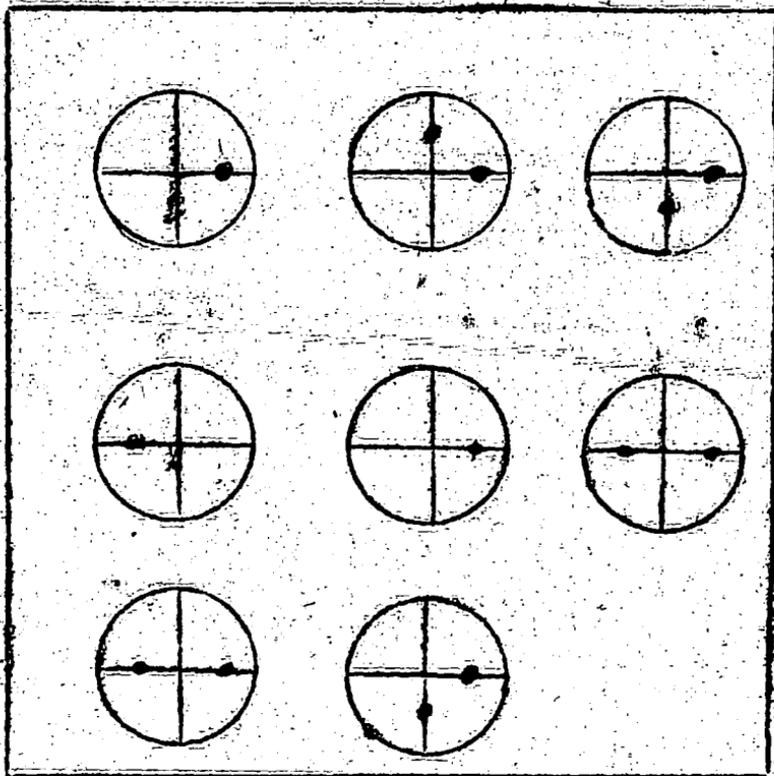
5



6



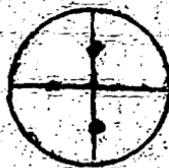
No 45



1



2



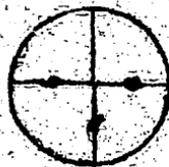
3



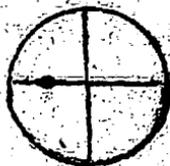
4



5



6



Test 2

Example.

+	x
◇	

NAME \_\_\_\_\_

FORM. \_\_\_\_\_

1

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3

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4

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⊕	

5

⌒	⌒
⌒	

6

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7

⌒	⌒
⊕	

8

⌒	⌒
⌒	

9

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□	

10

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11

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12

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↑↓	

13

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14

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15

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16

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17

⊗	⊗
田	

18

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19

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⊕	

20

⊕	⊕
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21

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田	

22

⌒	⌒
⌒	

23

⊕	⊕
⊕	

24

△	□
□	

X	Y →																								
	1	2	3	4	5																				
10	60	45	30	15	00																				
11	64	50	35	20	06	6																			
12	67	52	40	26	12	100																			
13	69	55	42	30	20	05	7																		
14	70	58	46	34	24	10	00																		
15	72	61	50	37	28	15	05	8																	
16	74	63	53	42	31	20	10	00																	
17	76	65	55	45	35	25	15	05	9																
18	78	67	57	48	39	29	20	10	00																
19	79	69	60	50	42	30	24	14	05	10															
20	80	71	62	53	45	36	27	18	10	00															
21	81	73	64	55	48	40	30	22	13	04	11														
22	83	74	66	58	50	42	34	26	17	08	00														
23	84	76	68	60	52	45	37	29	20	12	04	12													
24	85	78	70	63	55	47	40	32	24	16	08	00													
25	86	80	72	65	57	50	43	35	27	20	12	04	15												
26	87	81	74	67	60	52	46	38	30	23	16	08	00												
27	88	82	75	69	62	55	48	41	34	26	20	12	04	14											
28	89	83	77	70	64	57	50	44	37	29	23	15	08	00											
29	90	84	78	72	66	60	53	46	40	32	26	18	11	04	15										
30	90	85	80	74	68	62	55	49	43	35	29	22	15	08	00										
31	91	86	81	76	70	64	58	52	45	38	32	25	18	11	04	16									
32	92	87	82	77	72	66	60	54	48	41	35	28	21	14	08	00									
33	93	88	83	79	74	68	62	56	50	43	37	31	24	18	10	04	17								
34	93	89	85	80	75	70	64	59	53	46	40	34	28	20	14	08	00								
35	94	90	86	82	76	72	66	61	55	49	42	37	30	23	17	10	03	18							
36	94	91	87	83	78	73	68	63	58	52	45	40	33	27	20	13	07	00							
37	95	92	88	84	80	75	70	65	60	54	48	42	36	30	23	17	10	03	19						
38	95	92	89	85	81	77	72	67	62	56	50	45	39	32	26	20	13	07	00						
39	95	93	90	86	82	79	74	69	64	59	53	48	41	36	30	23	17	10	03	20					
40	96	94	91	87	83	80	75	71	66	61	56	50	44	38	32	26	20	13	07	00					
41	96	94	91	88	85	81	77	72	68	63	58	52	47	41	35	29	22	17	10	03	21				
42	97	94	92	90	86	82	79	74	70	65	60	55	50	43	38	32	26	20	13	07	00				
43	-	95	93	91	88	84	80	76	72	67	63	58	52	46	40	35	29	23	17	10	03	22			
44	-	95	93	91	89	86	82	78	74	69	65	60	54	48	43	38	31	26	20	13	07	00			
45	-	96	94	92	90	87	83	80	76	71	67	62	57	51	46	40	34	29	22	16	10	03	23		
46	-	97	95	93	91	89	85	81	78	73	69	64	60	54	49	43	37	31	25	20	13	07	00		
47	-	97	95	94	92	90	87	83	80	75	71	67	61	57	51	46	40	34	29	23	16	10	03	24	
48	-	-	96	95	93	91	88	84	81	77	73	69	64	60	54	49	43	37	31	26	19	13	07	00	
49	-	-	96	95	94	92	90	86	82	79	75	71	67	62	57	51	46	40	34	29	22	17	10	03	25
50	-	-	-	96	94	92	91	88	84	81	77	73	69	63	60	53	49	42	37	31	25	20	12	06	00

Table for converting X and Y into  $T_E$ .

		ITEM		
		FAIL	PASS	
CATEGORICAL	FAIL	19	31	50
	PASS	29	21	50
		48	52	100

$X = 48$   $Y = 19$   
 $T_E = -0.31$

Average the percentage above-mentioned table as in the example with criterion in the rows so that the sum of each row is 50.

X is then the remainder of the column sums. The sign of  $T_E$  is found by inspection.