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*Edited by*  
**JAMES HENRY BREASTED**



CUNEIFORM SERIES—VOLUME II

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INSCRIPTIONS FROM ADAB

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VOLUME XIV

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CUNEIFORM SERIES—VOLUME II

# INSCRIPTIONS FROM ADAB

BY

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THE UNIVERSITY OF CHICAGO PRESS  
CHICAGO, ILLINOIS

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## FOREWORD

The text copies here published were made some years ago by my colleague, Professor Luckenbill, whose untimely death in 1927 overtook him in the midst of his most productive work. When these copies were found among his papers, the advisability of preparing them for publication was self-evident. Professor Chiera has kindly undertaken this editorial work. In his hands the texts have been largely regrouped in arranging the plates, and a few introductory pages of description have been added. But the volume remains definitely the handiwork of Professor Luckenbill, since his drawings have not been touched. The texts included are of especial interest because with the exception of Nos. 32-34 they all come from unfinished excavations of the University of Chicago at Adab (modern Bismaya). Further tablets from the same site will be published in some later volume of this series.

Scholars will immediately recognize that among the inscriptions from bricks, vases, or other objects are duplicates of some which have been found at other sites and have already been published. Professor Luckenbill had evidently intended to publish them so as to make the record complete, and his wishes have been respected. Identical considerations have prompted us to include practically duplicate copies of inscriptions from Adab itself. Apart from occasional variant readings, these exhibit such an interesting variety in the forms of the characters as to justify their publication. After the first few plates, this volume is made up of accounts. In them scholars will find a large mass of interesting material illustrating the conduct of business in the city and temple of Adab during the third millennium B.C.

JAMES HENRY BREASTED

THE ORIENTAL INSTITUTE  
THE UNIVERSITY OF CHICAGO  
June, 1930





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## DESCRIPTION OF THE DOCUMENTS

Measurements are given in millimeters, length (height) by width by thickness. Whenever a tablet or fragment varies in size, the largest measurement is given.

Text No.	Cat. No.	Object	Dimensions
1	A 192	Vase fragment, talc	128×118
2	A 210	Vase fragment, chlorite schist	238×59
3	A 180	Statuette fragment, porphyry	115×82
4	A 197	Vase fragment, schist	38×30
5	A 211	Bowl fragment, stone	216×106
6	A 220	Bowl fragment, alabaster	99×60
7	A 228	Bowl fragment, alabaster	23×22
8	A 212	Vase fragment, creamy limestone	160×99
9	A 1164	Bowl fragment?	
10	A 231	Bowl fragment, calcite	139×55
11	A 233	Bowl fragment, limestone	53×53
12	A 1144	Brick fragment	84×64×23
13	A 229	Bowl fragment, alabaster	78×55
14	A 205	Vase fragment, lava	89×75
15	A 201	Vase fragment, hornfels	44×14
16	A 227	Bowl fragment, alabaster	57×37
17	A 1165	Vase fragment	
18	A 543	Hoe blade, bronze	
19	A 1162	Tablet, bronze	73×49×14
20	A 1160	Tablet, bronze	64×44×17
21	A 1161	Tablet, bronze	65×46×16
22	A 1159	Tablet, stone	65×46×19
23	A 483	Vase fragment, alabaster	40×33
24	A 172	Door socket, limestone	170×102×70
25	A 217	Vase fragment, hornfels	63×34
26	A 208	Cup, steatite	155×88
27	A 458	Brick-stamp	111×140×33
28	A 216	Vase fragment, diorite	110×97
29	A 214	Vase fragment, fine-grained igneous rock	108×64
30	A 226	Bowl fragment, alabaster	122×68

## INSCRIPTIONS FROM ADAB

Text No.	Cat. No.	Object	Dimensions
31	A 234	Bowl fragment, limestone	54×41
32	A 1399	Brick	178×196×47
33	A 1400	Brick	151×177×37
34	A 1129	Cone inscription	129 high
35	A 236	Vase in boat form, gypsum	209×140×82
36	A 202	Vase fragment, chlorite	29×24
37	A 1143	Brick	307×307×66
38	A 1141	Brick	320×155×73
39	A 1142	Brick	322×155×66
40	A 1133	Brick	308×306×68
41	A 438	Vase fragment, yellowish clay	173×101
42	A 1135	Brick, incomplete	306×204×56
43	A 1134	Brick	317×322×52
44	A 1138	Brick, incomplete	218×39×72
45	A 1137	Brick, incomplete	241×68×64
46	A 1139	Brick	224×67×49
47	A 1136	Brick, incomplete	169×38×76
48	A 265	Tablet fragment, alabaster	116×82×37
49	A 1118	Tablet fragment, baked	190×135×48
50	A 770	Round tablet, baked	34
51	A 1131	Tablet fragment, baked, reverse	114×99×54
52	A 1130	Tablet fragment, baked	71×42×18
53	A 1116	Cylinder fragment, baked	116 high
54	A 1117	Tablet fragment, baked	44×31×51
55	A 649	Tablet fragments, baked	
56	A 645	Tablet fragment, baked	123×98×32
57	A 670	Tablet, baked	57×55×23
58	A 794	Tablet, baked	44×46×18
59	A 764	Tablet, baked	37×38×17
60	A 783	Tablet, baked	46×47×19
61	A 767	Round tablet, baked	37×21
62	A 755	Tablet, baked	41×36×16
63	A 754	Round tablet, baked	36×19
64	A 758	Round tablet, baked	37×17
65	A 673	Tablet, baked	59×61×24
66	A 768	Tablet, unbaked	47×48×20
67	A 1088	Round tablet, unbaked	21×17
68	A 781	Tablet, baked	30×30×13

## DESCRIPTION OF THE DOCUMENTS

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Text No.	Cat. No.	Object	Dimensions
69	A 1105	Tablet, unbaked	21×29×14
70	A 681	Tablet, baked	59×60×21
71	A 796	Round tablet, unbaked	45×22
72	A 798	Round tablet, baked	35×21
73	A 769	Tablet, baked	37×36×20
74	A 671	Tablet, unbaked	64×59×21
75	A 682	Tablet, baked	50×51×17
76	A 653	Tablet, baked	77×80×32
77	A 907	Round tablet, baked	42×18
78	A 637	Tablet fragment, unbaked	121×91×29
79	A 1037	Tablet, baked	27×23×12
80	A 1028	Tablet, unbaked	23×22×9
81	A 1020	Tablet, baked	21×21×10
82	A 1078	Tablet, baked	24×22×10
83	A 978	Tablet, unbaked	29×26×15
84	A 921	Tablet, baked	27×26×12
85	A 1090	Tablet, unbaked	20×20×8
86	A 990	Tablet, baked	27×27×10
87	A 1091	Tablet, baked	20×18×9
88	A 1038	Tablet, baked	23×22×10
89	A 998	Tablet, baked	32×31×12
90	A 819	Tablet, baked, broken	43×42×16
91	A 1019	Tablet, baked	21×20×8
92	A 925	Tablet, baked	24×24×10
93	A 1092	Tablet, baked	25×24×9
94	A 1058	Tablet, baked	25×24×12
95	A 1000	Tablet, baked	34×32×13
96	A 1031	Tablet, baked	24×22×10
97	A 1093	Tablet, baked	21×20×9
98	A 956	Tablet, baked	35×33×14
99	A 1086	Tablet, unbaked	20×18×8
100	A 937	Tablet, baked	24×23×10
101	A 970	Tablet, unbaked	36×33×14
102	A 918	Tablet, unbaked	40×32×14
103	A 777	Tablet, baked	63×42×17
104	A 822	Tablet fragment, baked	61×49×13
105	A 870	Tablet, baked	51×41×16
106	A 746	Tablet, baked	48×38×15

## INSCRIPTIONS FROM ADAB

Text No.	Cat. No.	Object	Dimensions
107	A 779	Tablet, unbaked	44×35×13
108	A 922	Tablet, baked	30×29×12
109	A 946	Tablet, baked	22×20×9
110	A 1006	Tablet, baked	28×27×12
111	A 775	Tablet, baked	33×29×13
112	A 927	Tablet, baked	34×33×14
113	A 993	Tablet, baked	31×27×12
114	A 790	Tablet, unbaked	62×36×16
115	A 788	Tablet, unbaked	57×39×18
116	A 786	Tablet, unbaked	39×34×15
117	A 651	Tablet, baked	99×50×20
118	A 697	Tablet, unbaked	51×41×16
119	A 672	Tablet, baked	64×45×17
120	A 991	Tablet, baked	28×26×10
121	A 1077	Tablet, unbaked, broken	20×24×10
122	A 1107	Tablet, baked	23×22×10
123	A 954	Tablet, baked	29×27×10
124	A 958	Tablet, baked	29×27×11
125	A 986	Tablet, unbaked	26×25×10
126	A 778	Tablet, baked	38×34×15
127	A 924	Tablet, unbaked	40×30×16
128	A 995	Tablet fragment, unbaked	34×34×15
129	A 975	Tablet, unbaked	33×29×15
130	A 1033	Tablet, unbaked	23×23×9
131	A 928	Tablet, unbaked	31×29×11
132	A 1073	Tablet, baked	23×21×9
133	A 983	Tablet, baked	32×30×11
134	A 1098	Tablet, baked	25×25×9
135	A 1024	Tablet, unbaked	25×24×12
136	A 1044	Tablet, baked	24×23×8
137	A 1045	Tablet, baked	28×26×10
138	A 1042	Tablet, unbaked	25×24×9
139	A 929	Tablet, baked	31×30×11
140	A 1096	Tablet, unbaked	21×19×9
141	A 655	Tablet, baked	86×41×20
142	A 935	Tablet, unbaked	31×29×12
143	A 680	Tablet, unbaked, broken	79×45×18
144	A 795	Tablet, baked	42×40×16

## DESCRIPTION OF THE DOCUMENTS

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Text No.	Cat. No.	Object	Dimensions
145	A 657	Tablet, unbaked	74×42×18
146	A 1089	Tablet, unbaked	23×23×9
147	A 936	Tablet, baked	30×25×11
148	A 996	Tablet, unbaked	32×26×12
149	A 1060	Tablet, baked	21×20×10
150	A 662	Tablet, baked	77×43×19
151	A 987	Tablet, baked	27×26×9
152	A 992	Tablet, baked	31×26×11
153	A 1003	Tablet, unbaked	33×32×14
154	A 943	Tablet, unbaked	27×25×11
155	A 1022	Tablet, unbaked	26×24×10
156	A 756	Tablet, baked	39×31×26
157	A 999	Tablet, baked	23×22×11
158	A 950	Tablet, unbaked	35×33×14
159	A 1036	Tablet, unbaked	22×20×10
160	A 912	Tablet, unbaked	46×42×16
161	A 1055	Tablet, baked	27×24×9
162	A 1027	Tablet, baked	25×24×10
163	A 1005	Tablet, baked	33×30×15
164	A 984	Tablet, baked	32×31×13
165	A 1056	Tablet, baked	16×15×7
166	A 891	Tablet, unbaked	44×37×14
167	A 805	Tablet, baked	52×38×15
168	A 691	Tablet fragment, unbaked	48×52×22
169	A 908	Tablet fragment, unbaked	35×40×17
170	A 664	Tablet, baked	77×42×19
171	A 784	Tablet, baked	45×44×18
172	A 766	Tablet, unbaked	58×38×17
173	A 864	Tablet, unbaked	46×36×16
174	A 844	Tablet, baked	53×44×20
175	A 997	Tablet, baked	29×26×11
176	A 709	Tablet, unbaked	86×64×19
177	A 1097	Tablet, baked	14×14×9
178	A 782	Tablet, unbaked	44×32×15
179	A 981	Tablet, unbaked	34×28×12
180	A 654	Tablet, unbaked	97×41×16
181	A 971	Tablet, unbaked	40×33×13
182	A 714	Tablet, unbaked	57×39×15

## INSCRIPTIONS FROM ADAB

Text No.	Cat. No.	Object	Dimensions
183	A 955	Tablet, baked	44×41×19
184	A 931	Tablet, unbaked	50×42×17
185	A 858	Tablet, unbaked	49×38×16
186	A 724	Tablet fragment, unbaked	44×52×20
187	A 934	Tablet, unbaked	29×77×12
188	A 736	Tablet, baked	60×41×17
189	A 1004	Tablet, baked	27×26×11
190	A 656	Tablet, baked	72×38×16
191	A 980	Tablet, baked	33×31×11
192	A 894	Tablet, baked	42×36×17
193	A 809	Tablet, unbaked	47×38×15
194	A 816	Tablet, baked	45×34×16
195	A 1016	Tablet fragments, unbaked	
196	A 668	Tablet fragments, baked	47×37×25
197	A 762	Tablet fragment, baked	86×57×24
198	A 689	Tablet fragments, unbaked	87×68×22

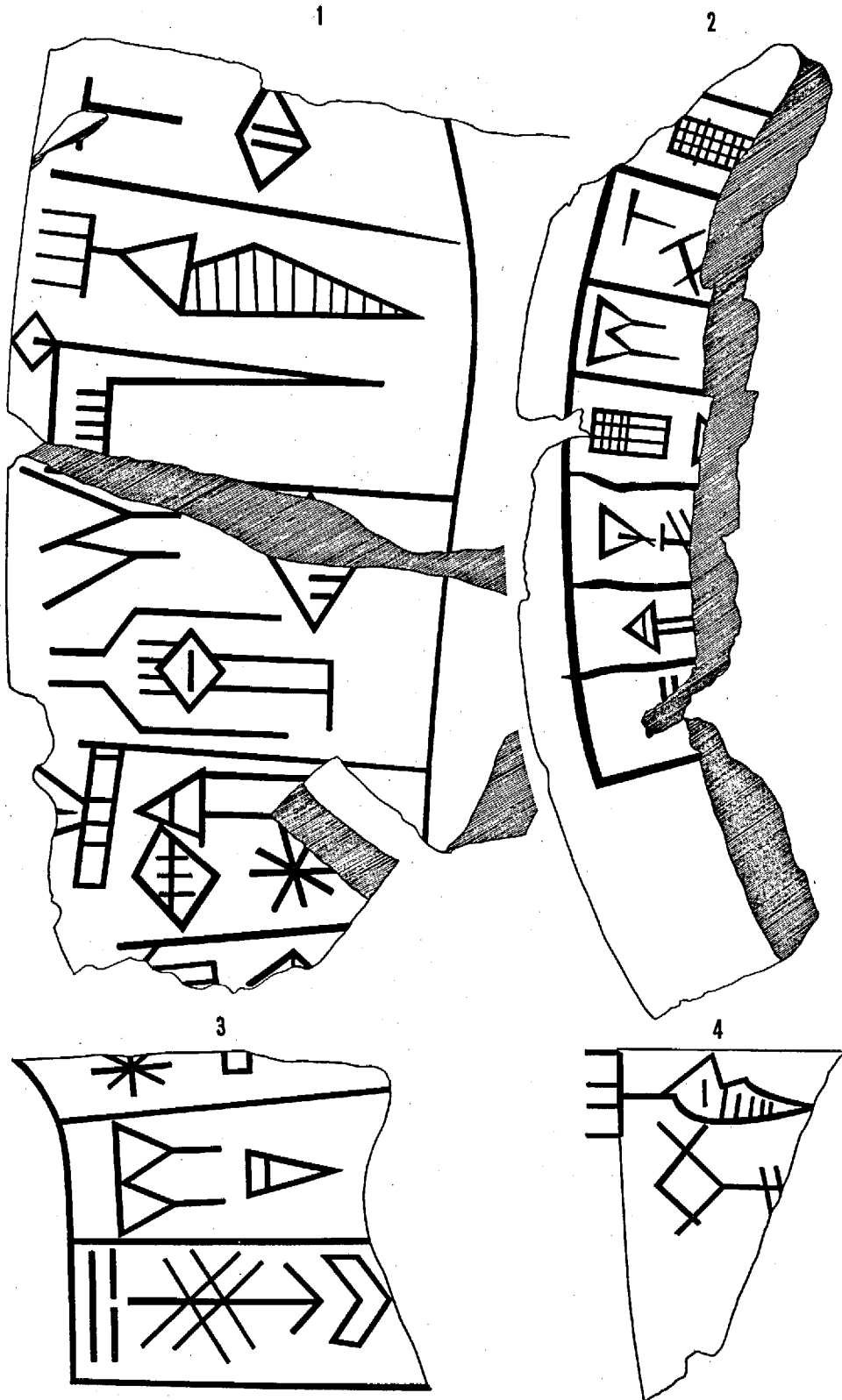


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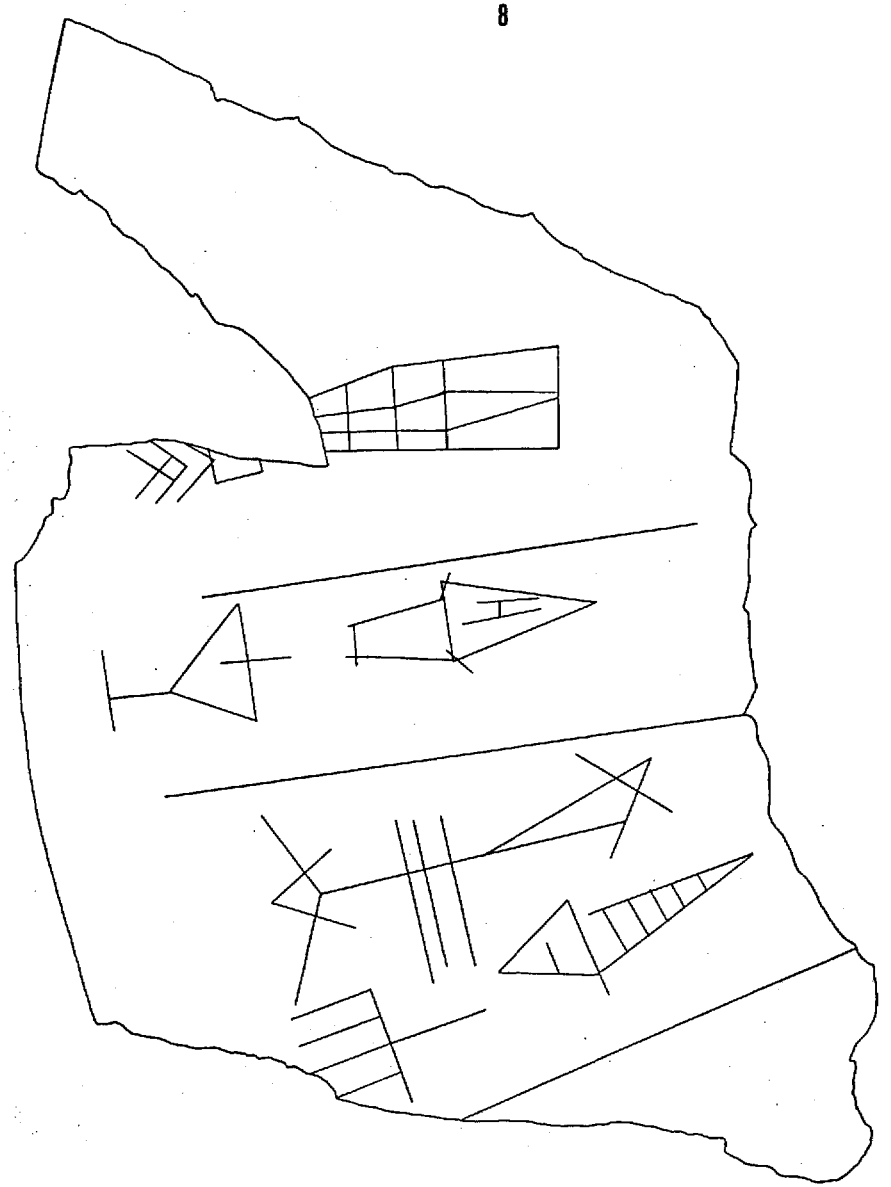
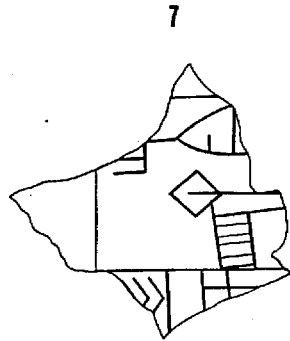
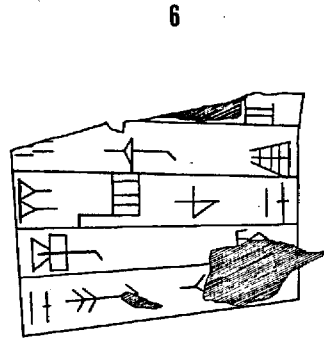
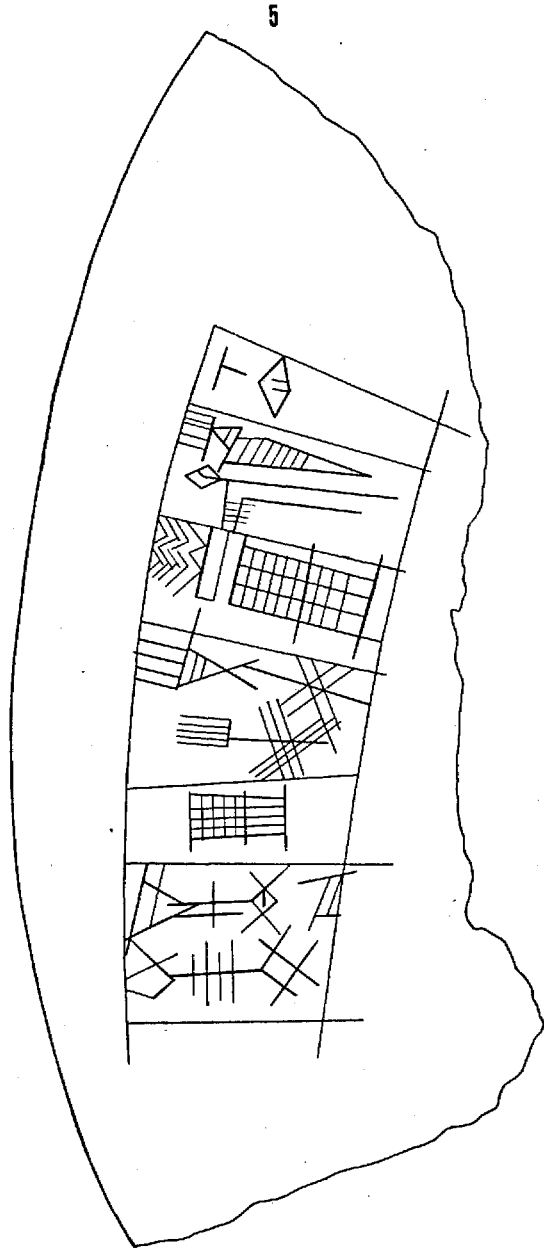
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A 201	15	A 662	150	A 781	68
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A 205	14	A 668	196	A 783	60
A 208	26	A 670	57	A 784	171
A 210	2	A 671	74	A 786	116
A 211	5	A 672	119	A 788	115
A 212	8	A 673	65	A 790	114
A 214	29	A 680	143	A 794	58
A 216	28	A 681	70	A 795	144
A 217	25	A 682	75	A 796	71
A 220	6	A 689	198	A 798	72
A 226	30	A 691	168	A 805	167
A 227	16	A 697	118	A 809	193
A 228	7	A 709	176	A 816	194
A 229	13	A 714	182	A 819	90
A 231	10	A 724	186	A 822	104
A 233	11	A 736	188	A 844	174
A 234	31	A 746	106	A 858	185
A 236	35	A 754	63	A 864	173
A 265	48	A 755	62	A 870	105
A 438	41	A 756	156	A 891	166
A 458	27	A 758	64	A 894	192
A 483	23	A 762	197	A 907	77
A 543	18	A 764	59	A 908	169
A 637	78	A 766	172	A 912	160
A 645	56	A 767	61	A 918	102
A 649	55	A 768	66	A 921	84
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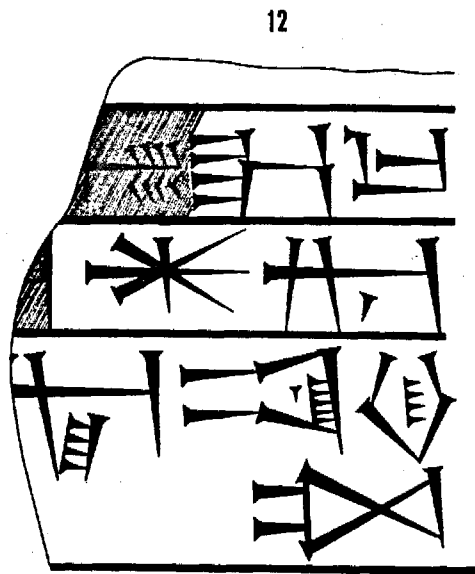
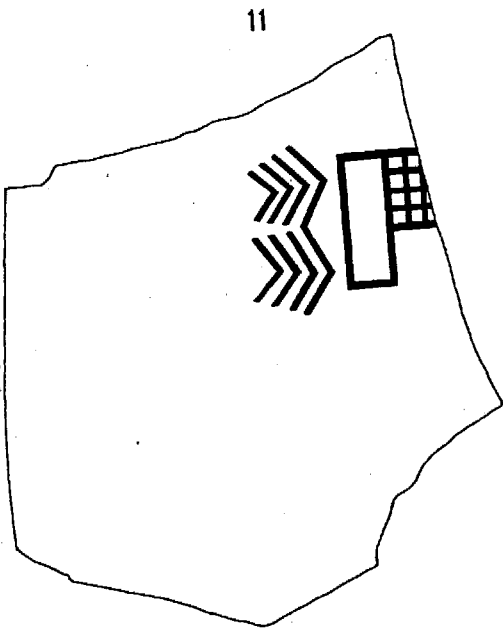
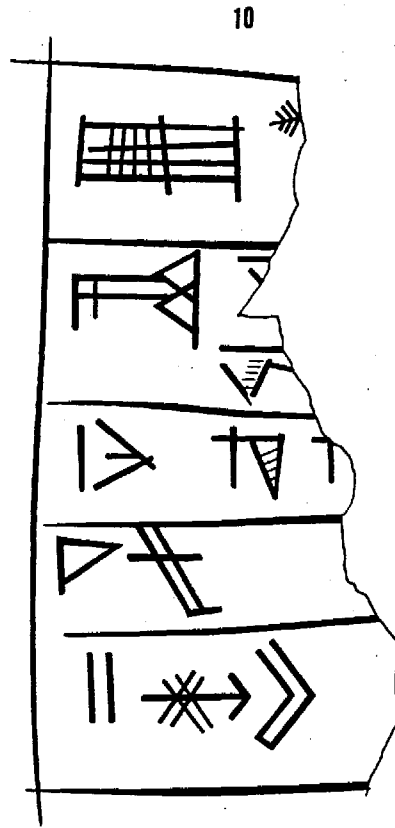
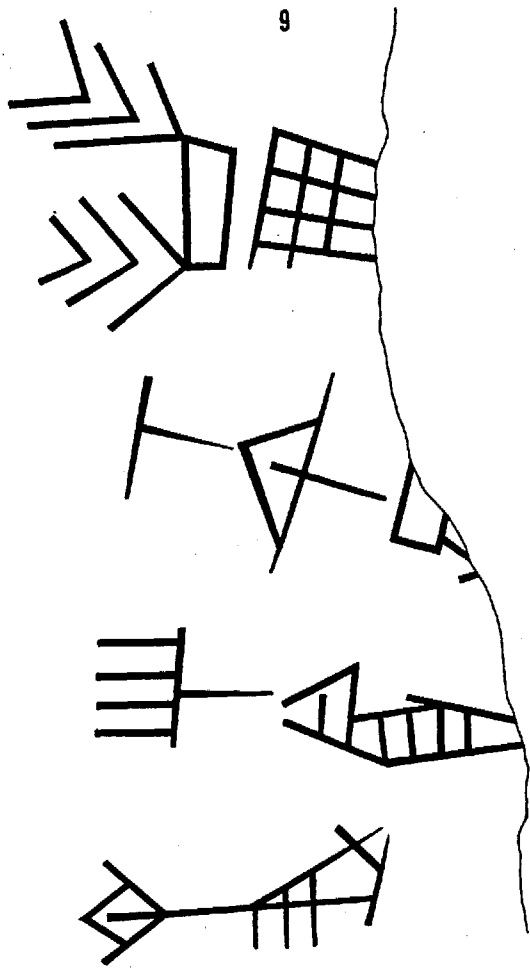
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A 931	184	A 1004	189	A 1097	177
A 934	187	A 1005	163	A 1098	134
A 935	142	A 1006	110	A 1105	69
A 936	147	A 1016	195	A 1107	122
A 937	100	A 1019	91	A 1116	53
A 943	154	A 1020	81	A 1117	54
A 946	109	A 1022	155	A 1118	49
A 950	158	A 1024	135	A 1129	34
A 954	123	A 1027	162	A 1130	52
A 955	183	A 1028	80	A 1131	51
A 956	98	A 1031	96	A 1133	40
A 958	124	A 1033	130	A 1134	43
A 970	101	A 1036	159	A 1135	42
A 971	181	A 1037	79	A 1136	47
A 975	129	A 1038	88	A 1137	45
A 978	83	A 1042	138	A 1138	44
A 980	191	A 1044	136	A 1139	46
A 981	179	A 1045	137	A 1141	38
A 983	133	A 1055	161	A 1142	39
A 984	164	A 1056	165	A 1143	37
A 986	125	A 1058	94	A 1144	12
A 987	151	A 1060	149	A 1159	22
A 990	86	A 1073	132	A 1160	20
A 991	120	A 1077	121	A 1161	21
A 992	152	A 1078	82	A 1162	19
A 993	113	A 1086	99	A 1164	9
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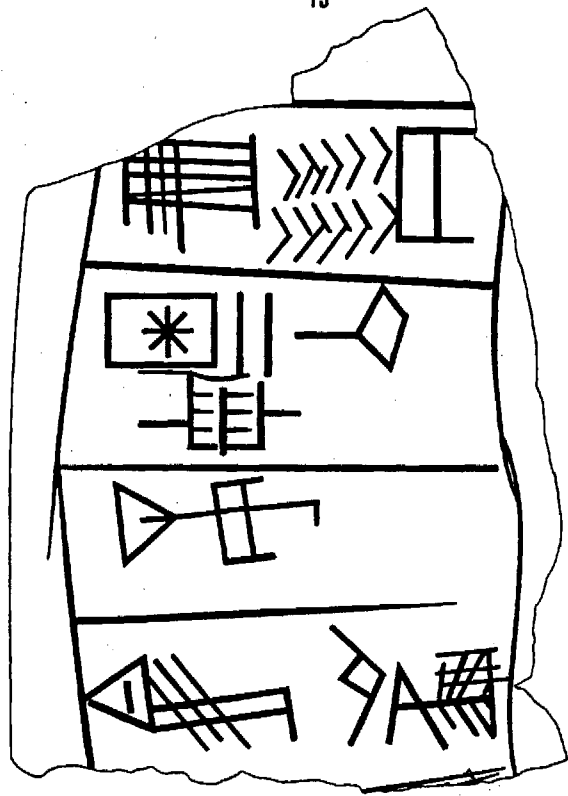




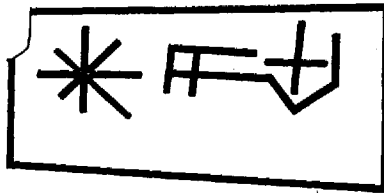




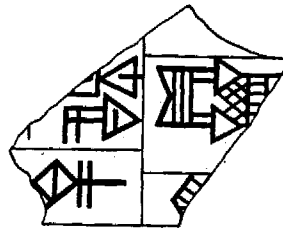
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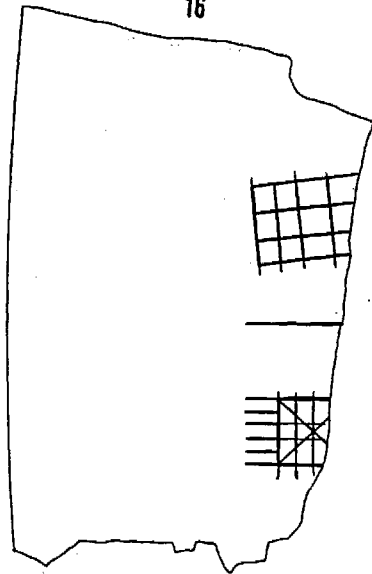
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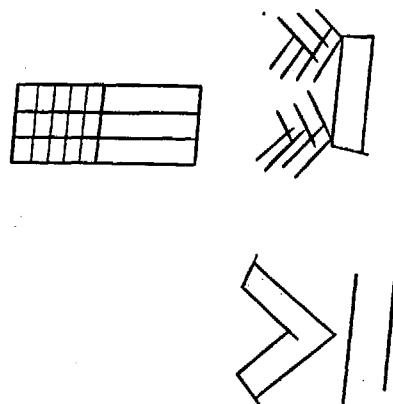
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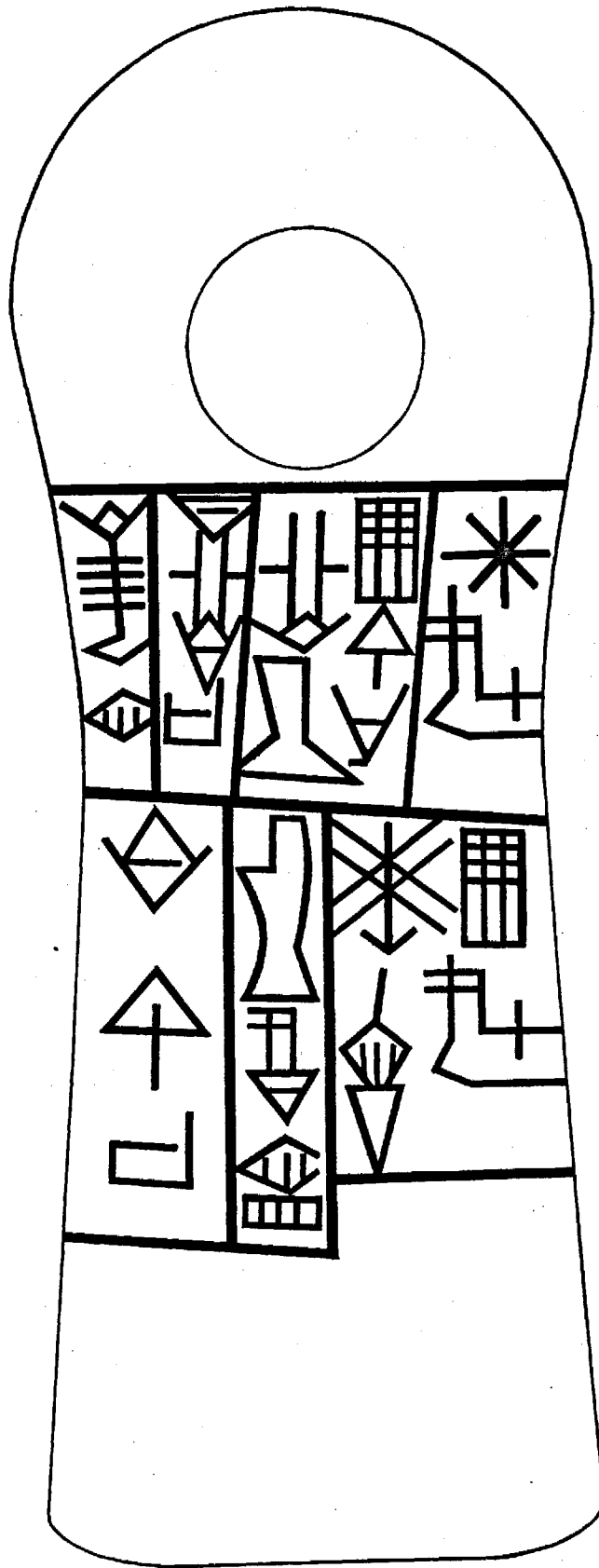
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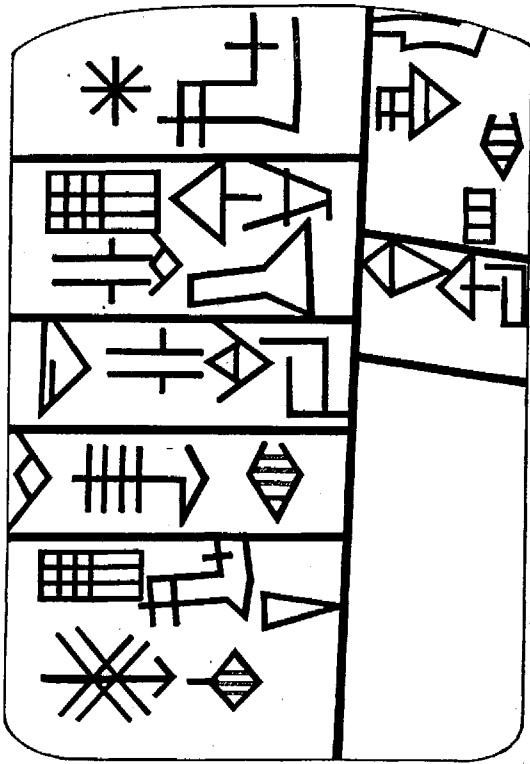




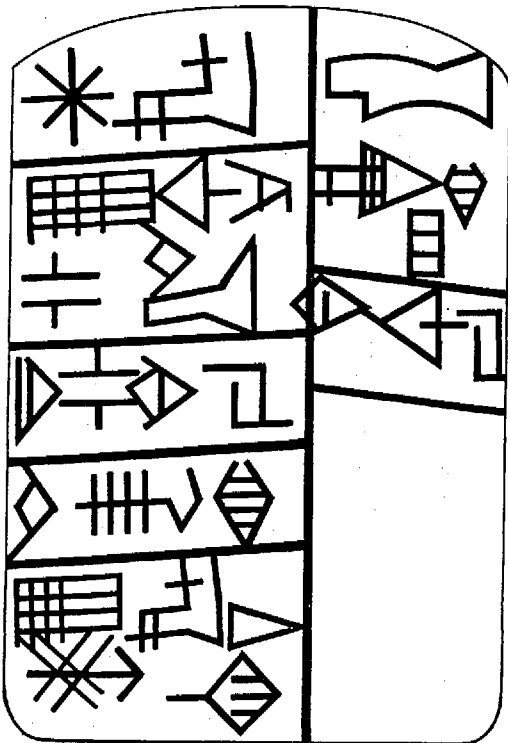




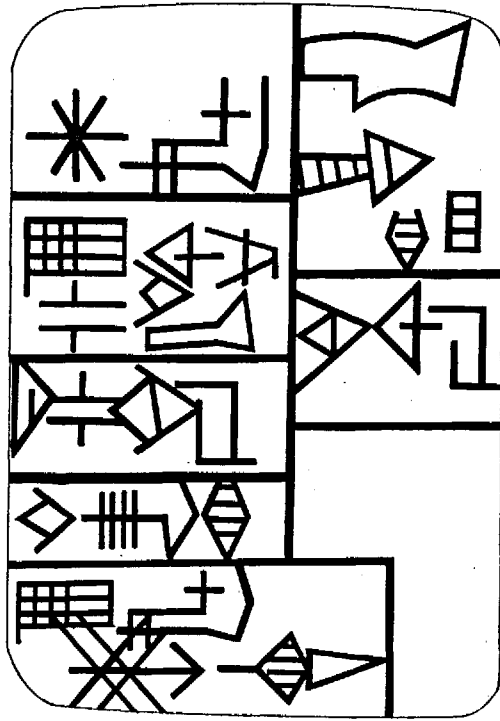
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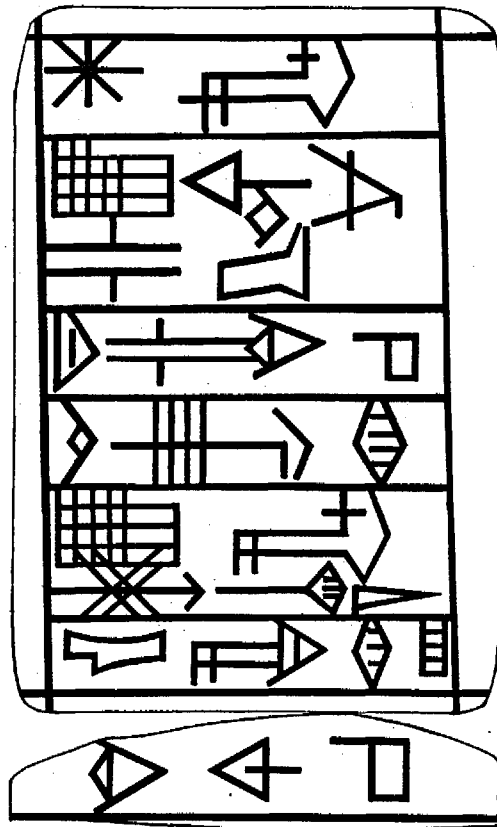
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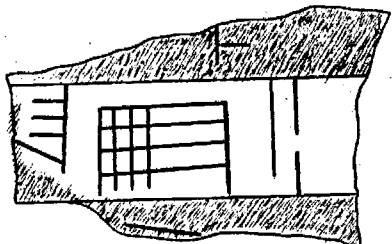


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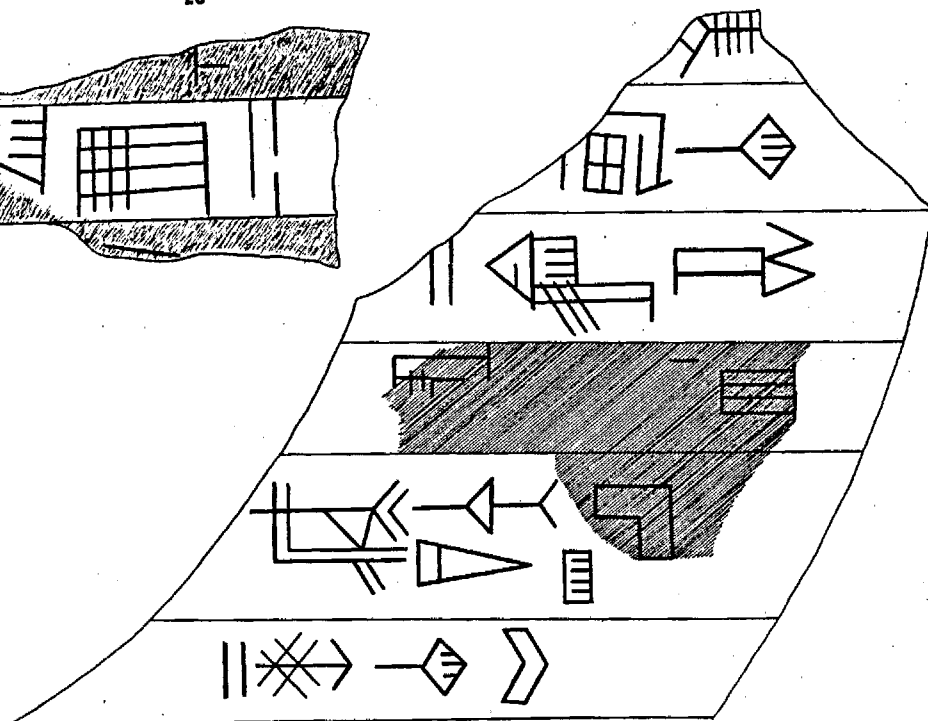




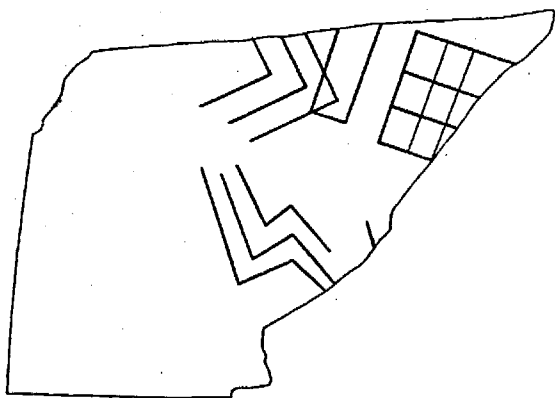
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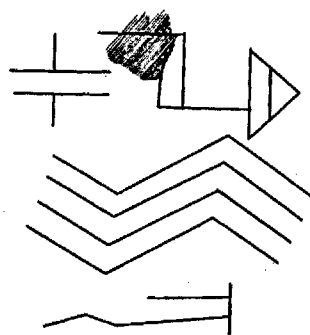
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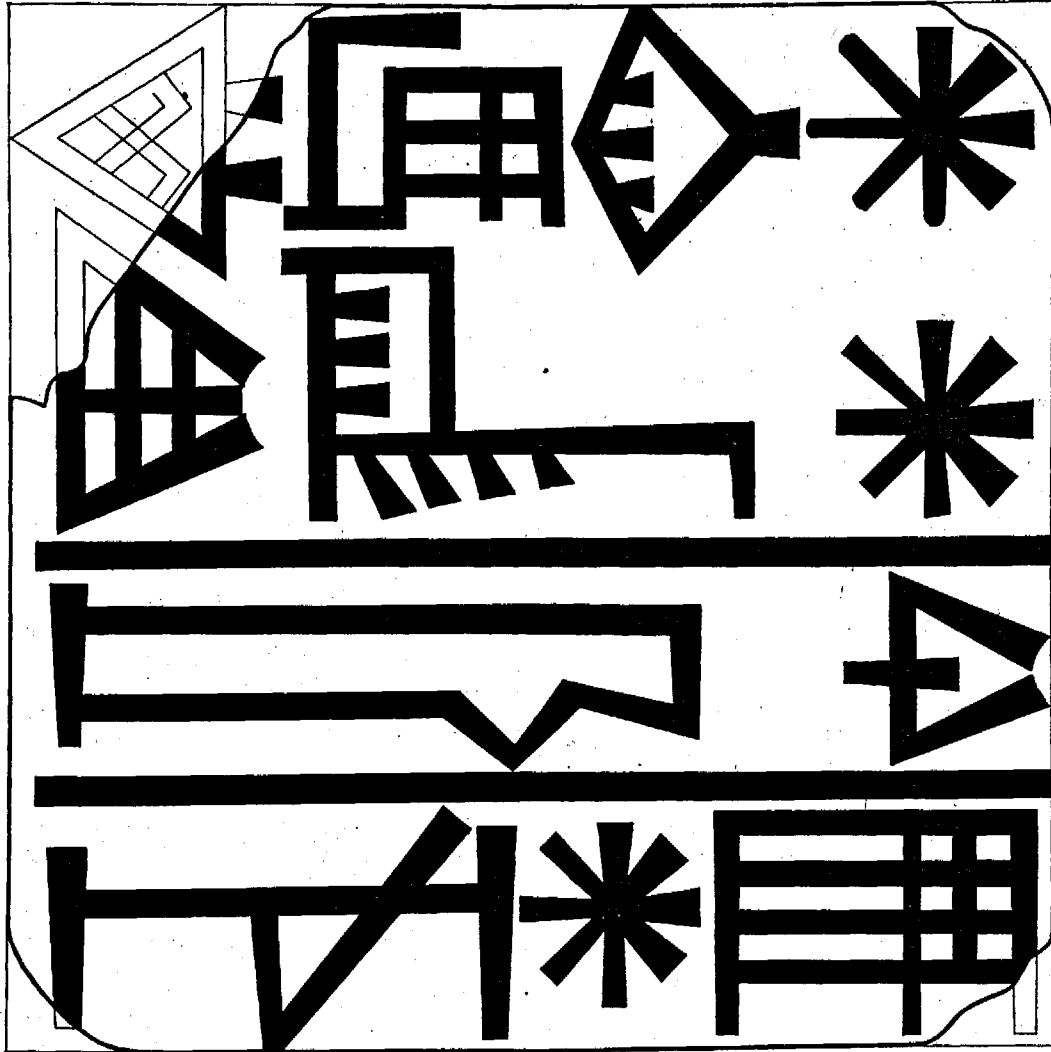
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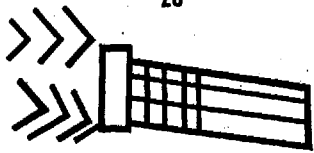




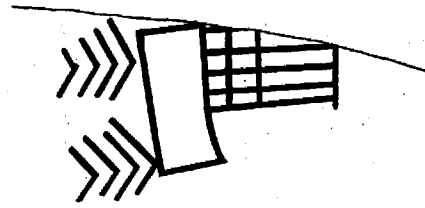
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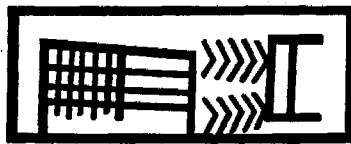
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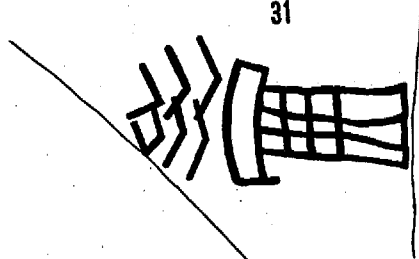
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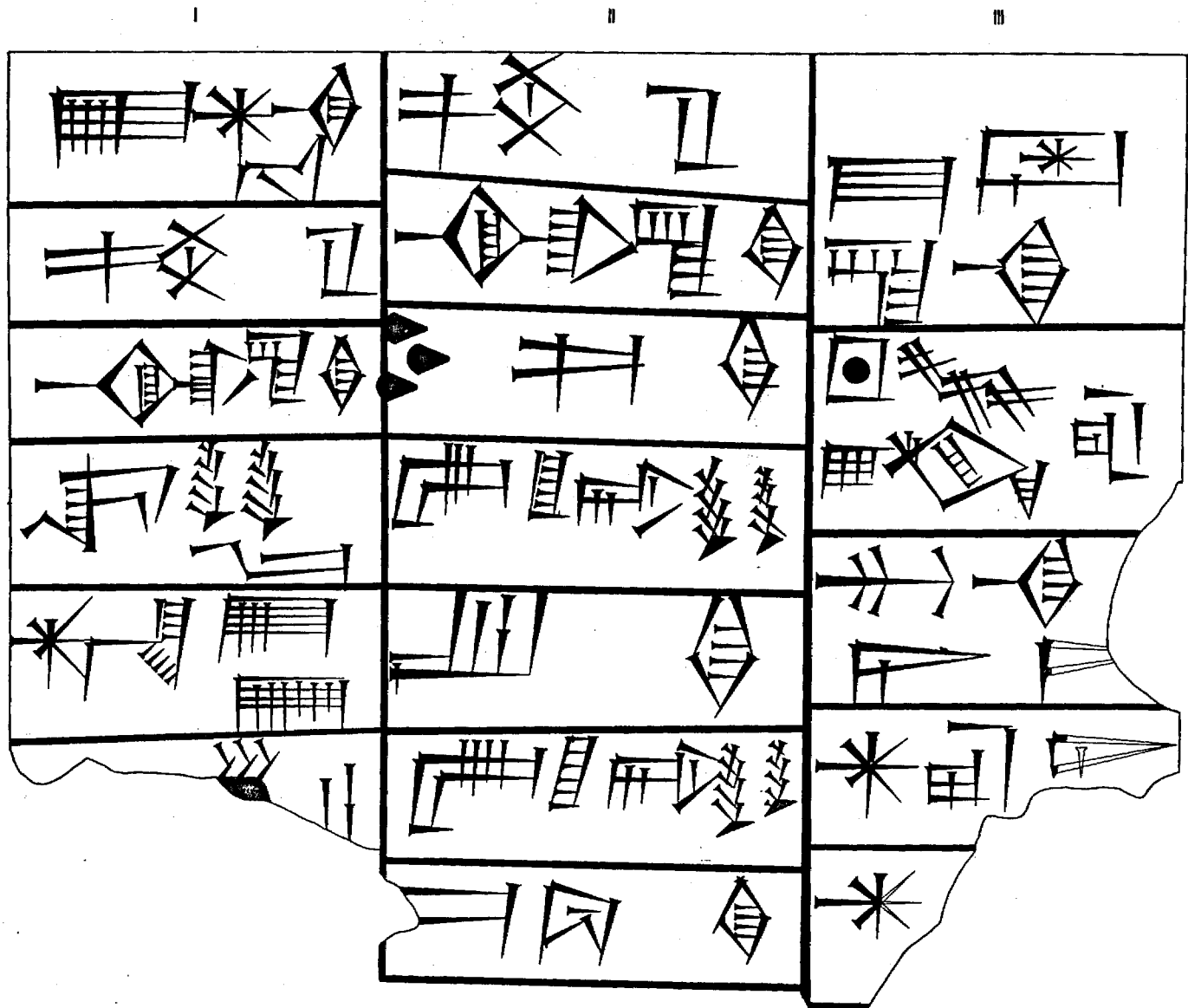
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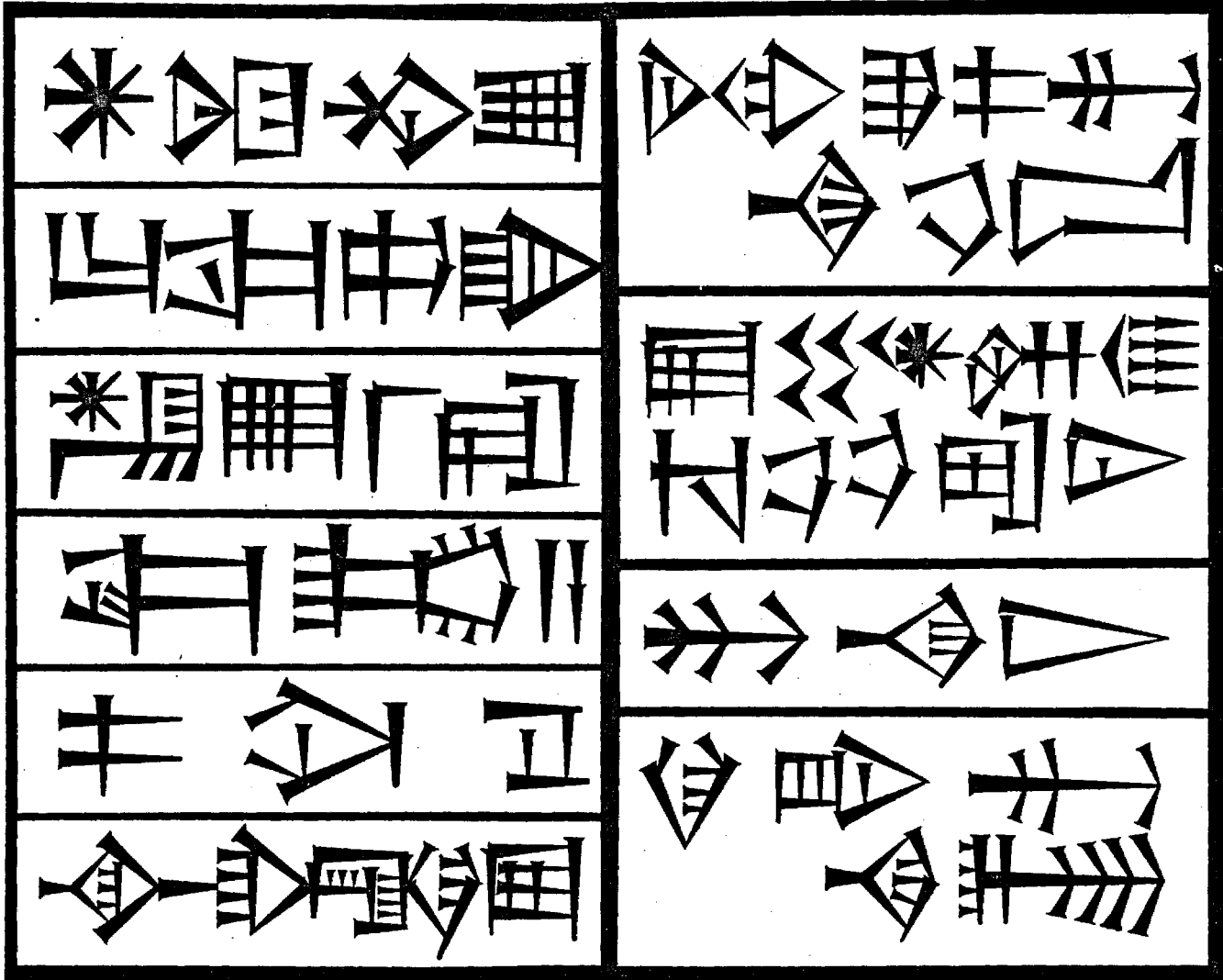
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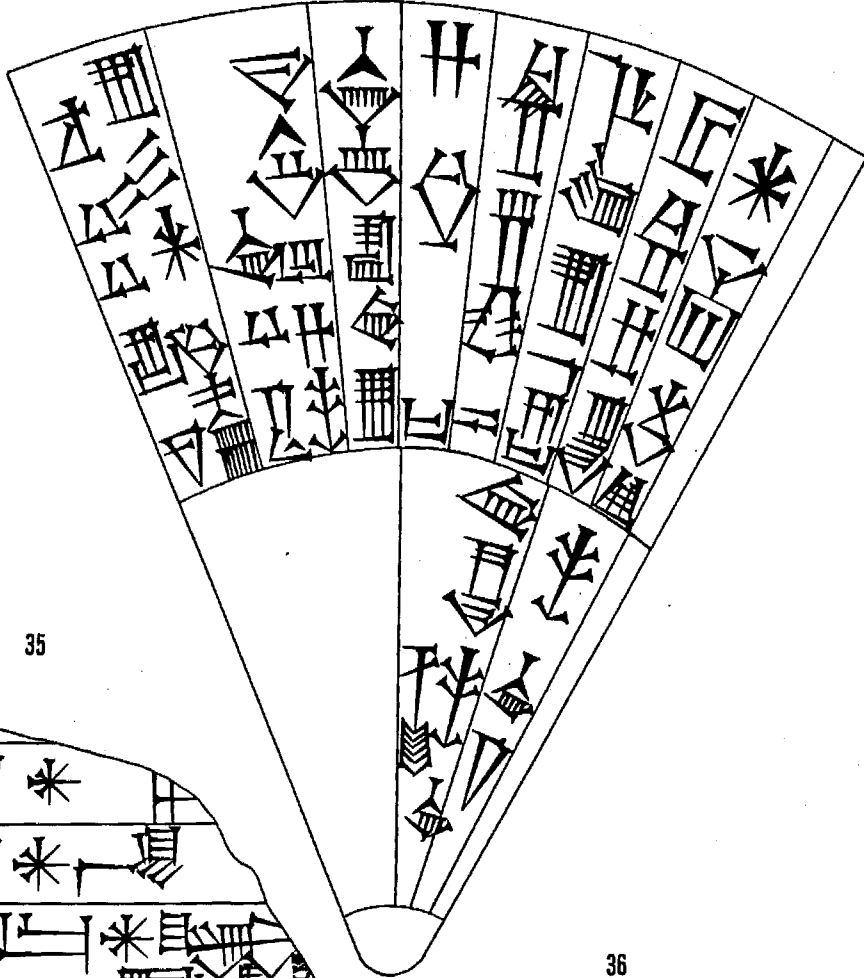




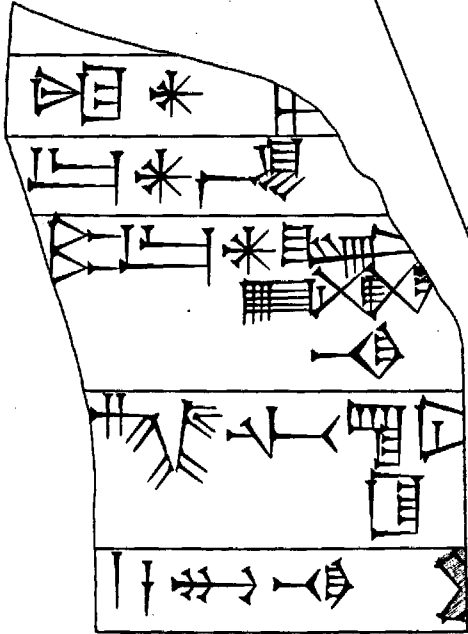




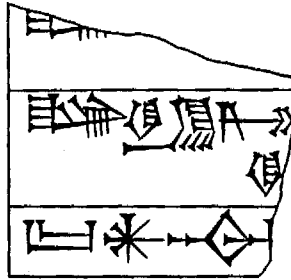
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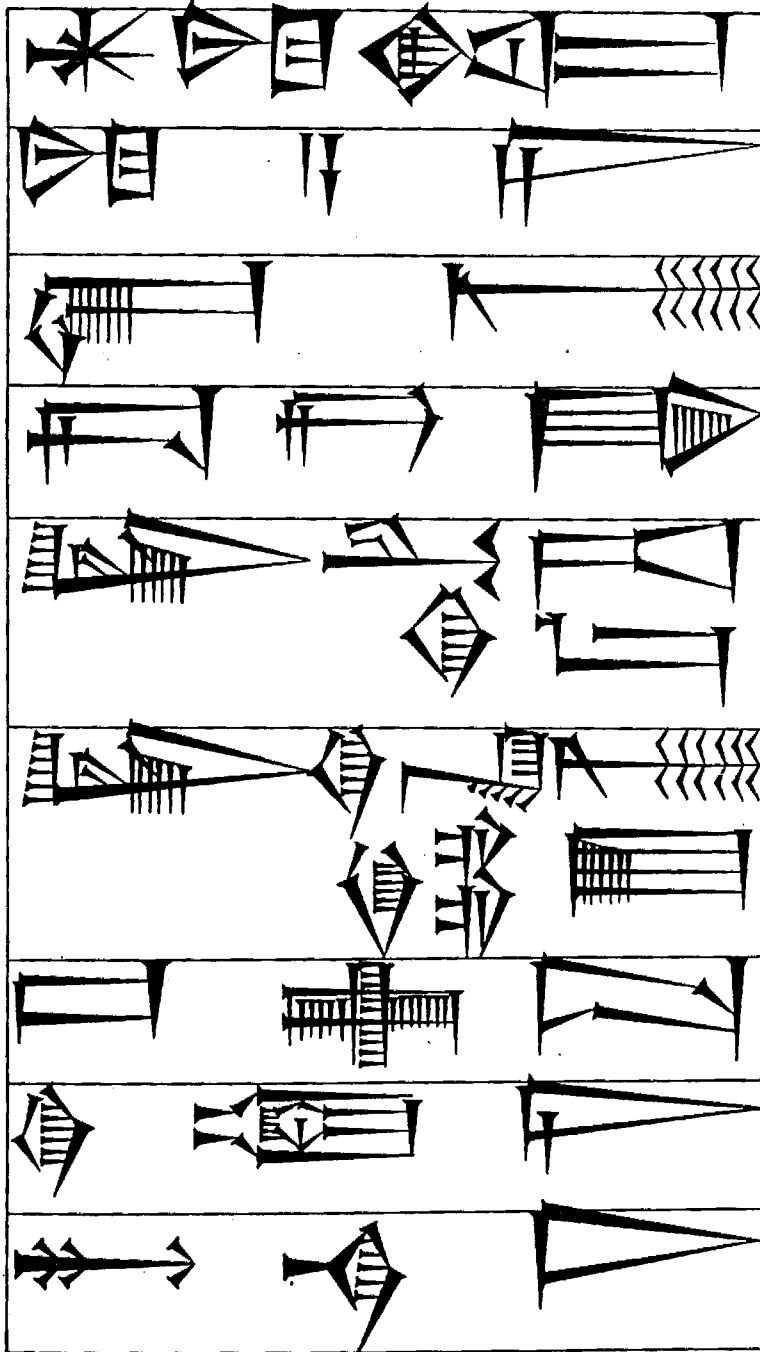
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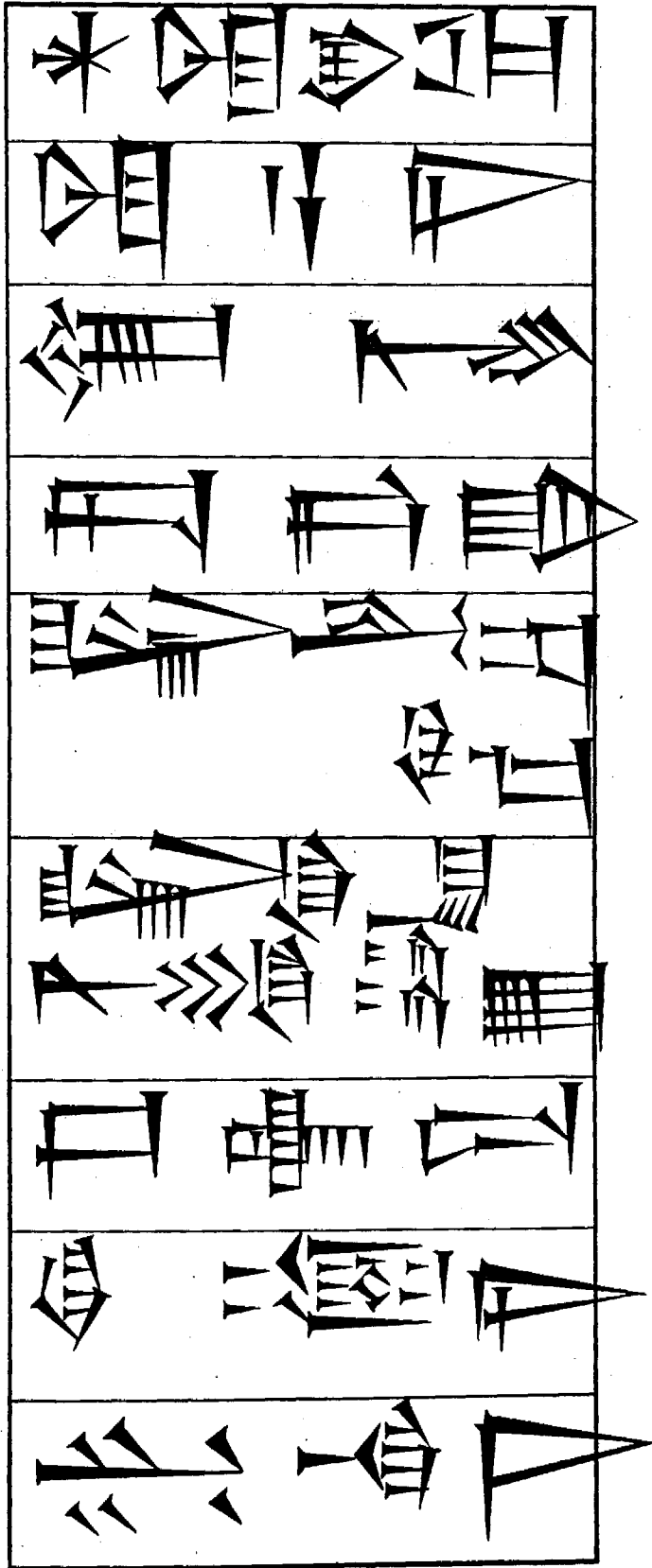




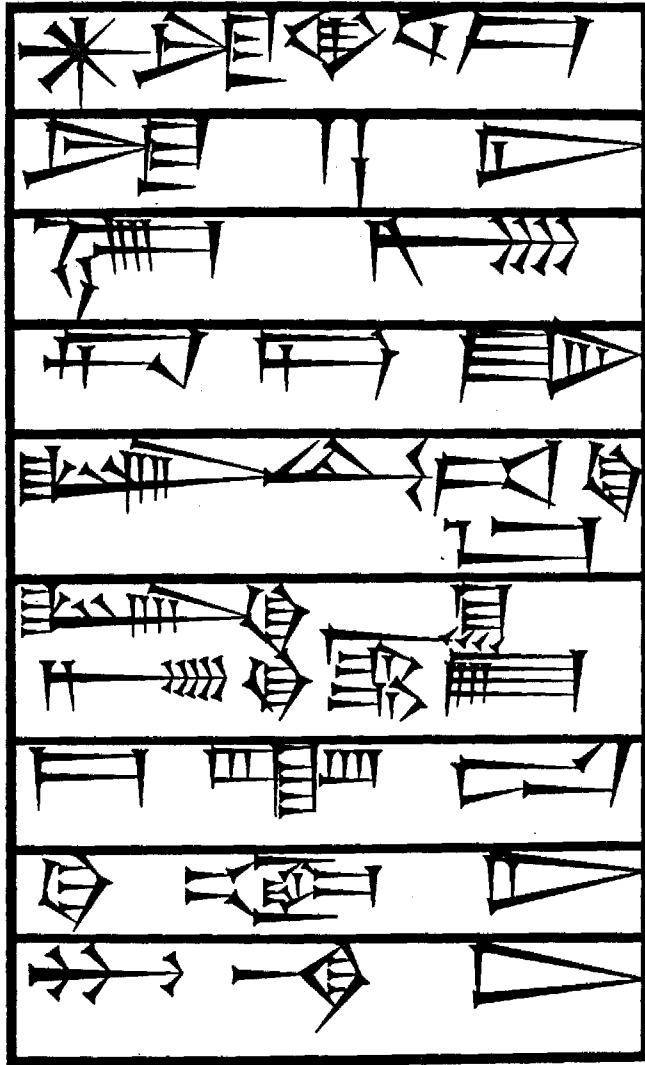
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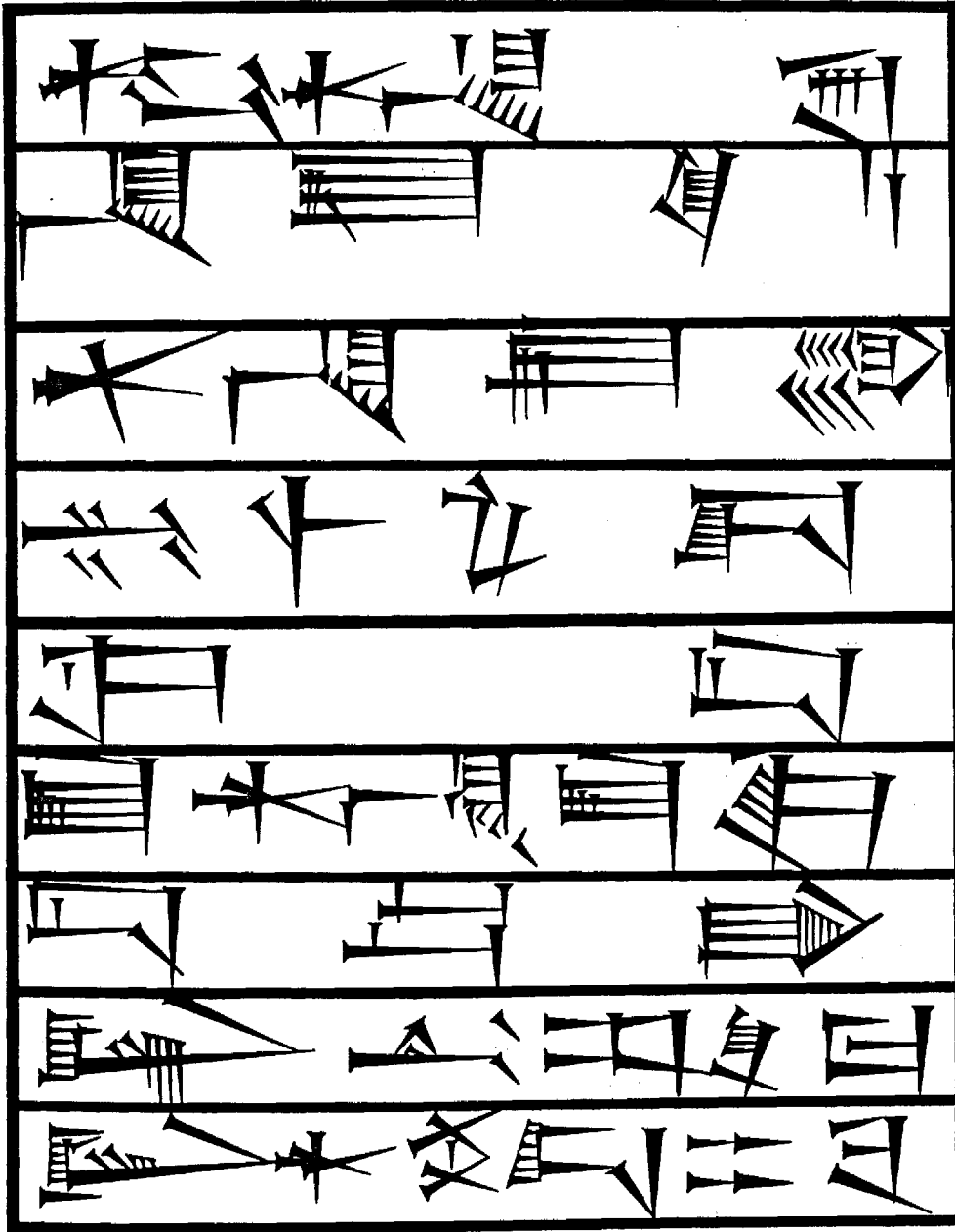








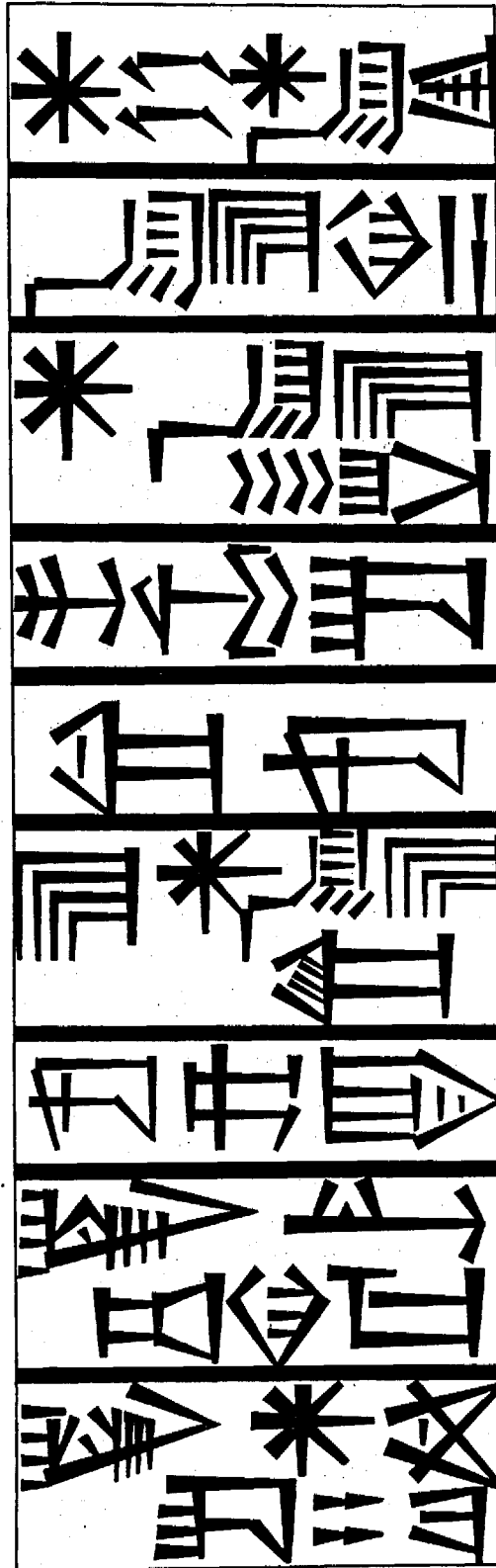




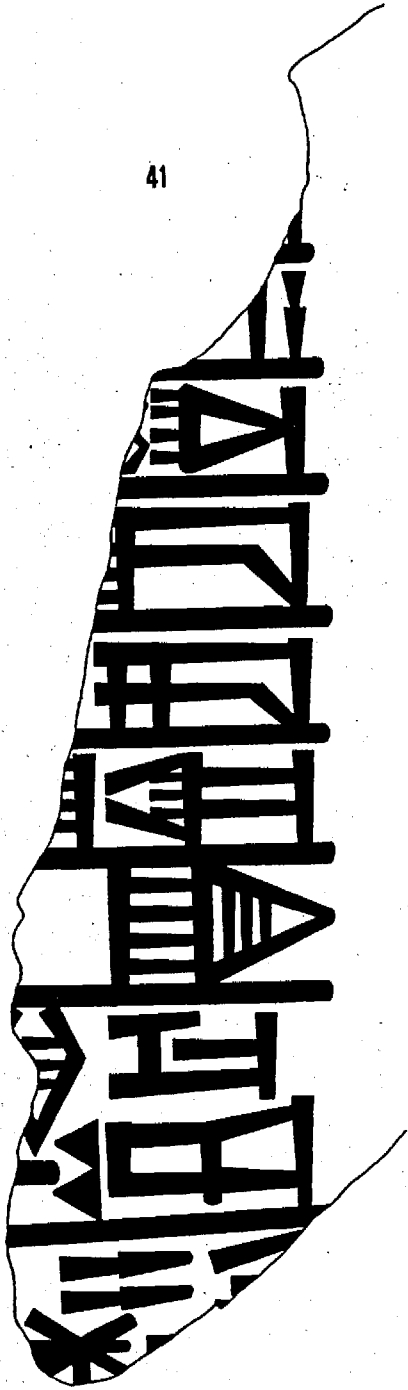




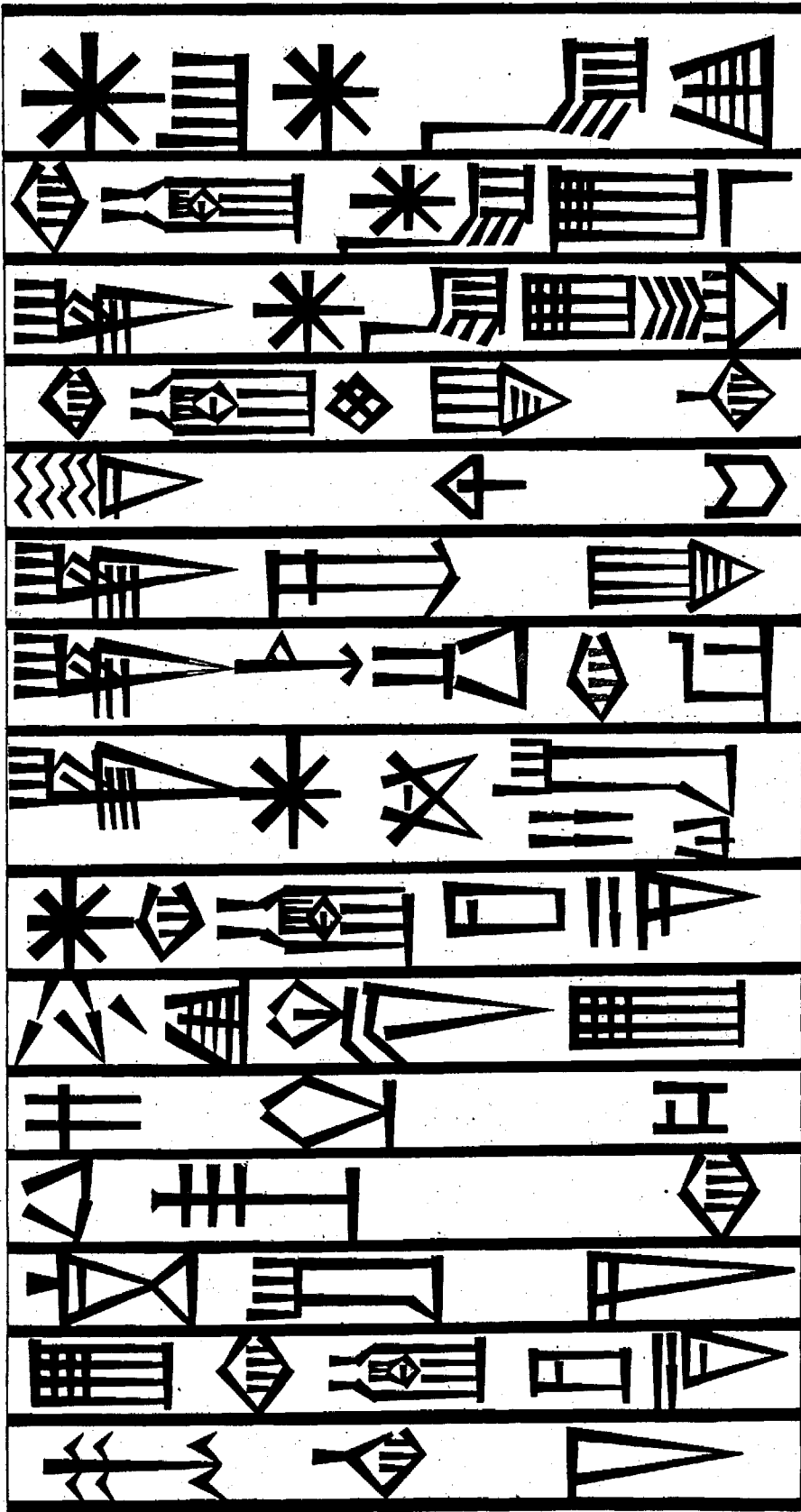
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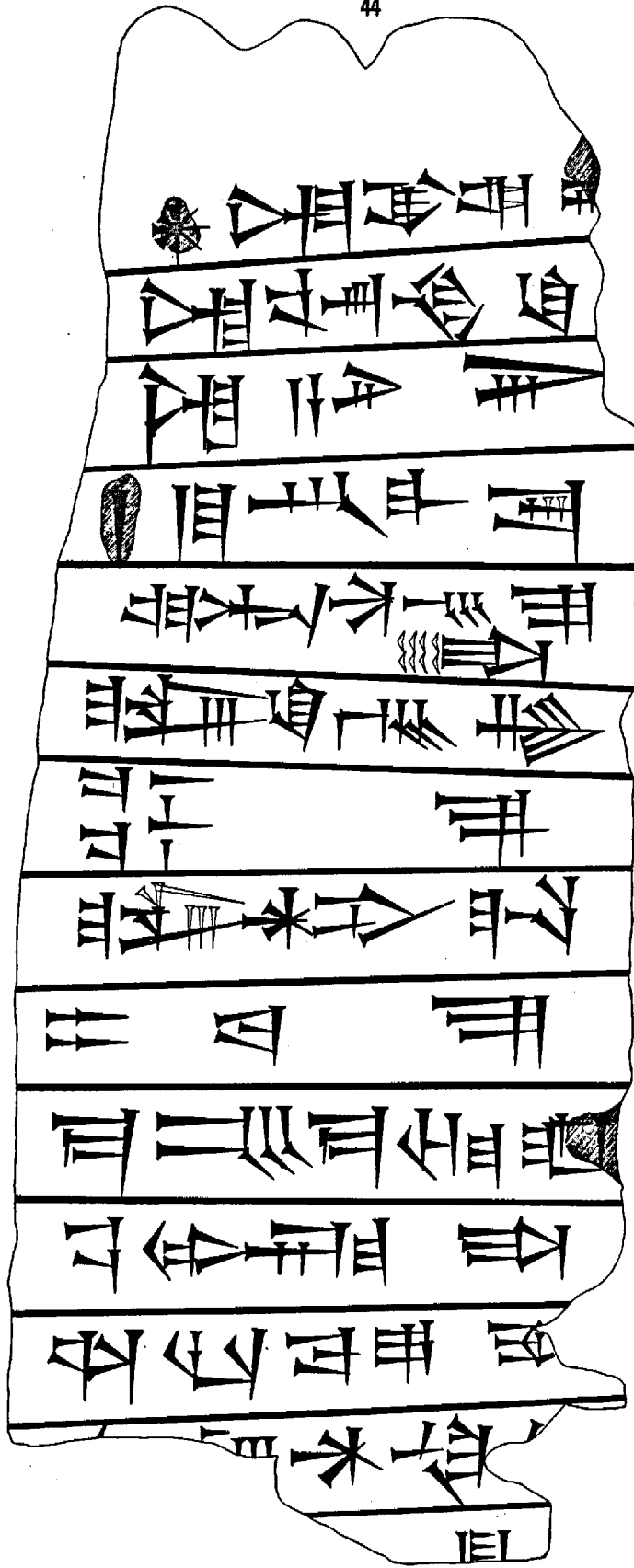




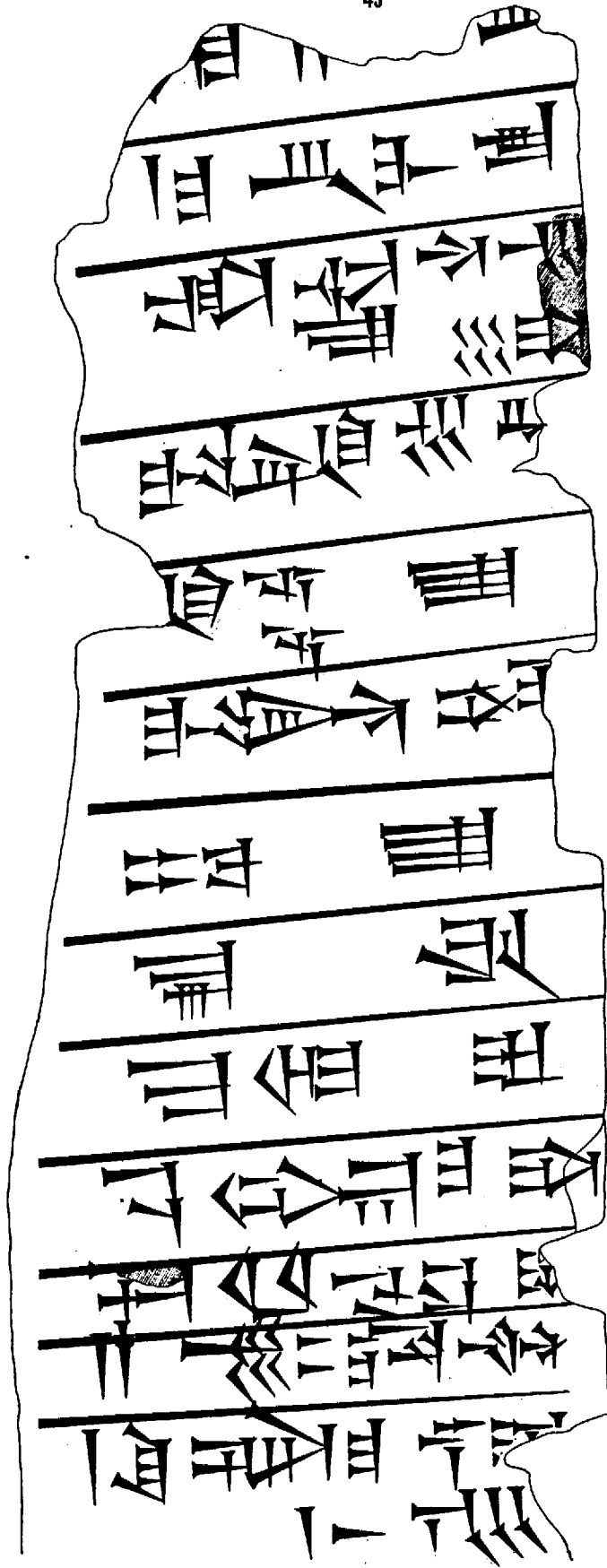




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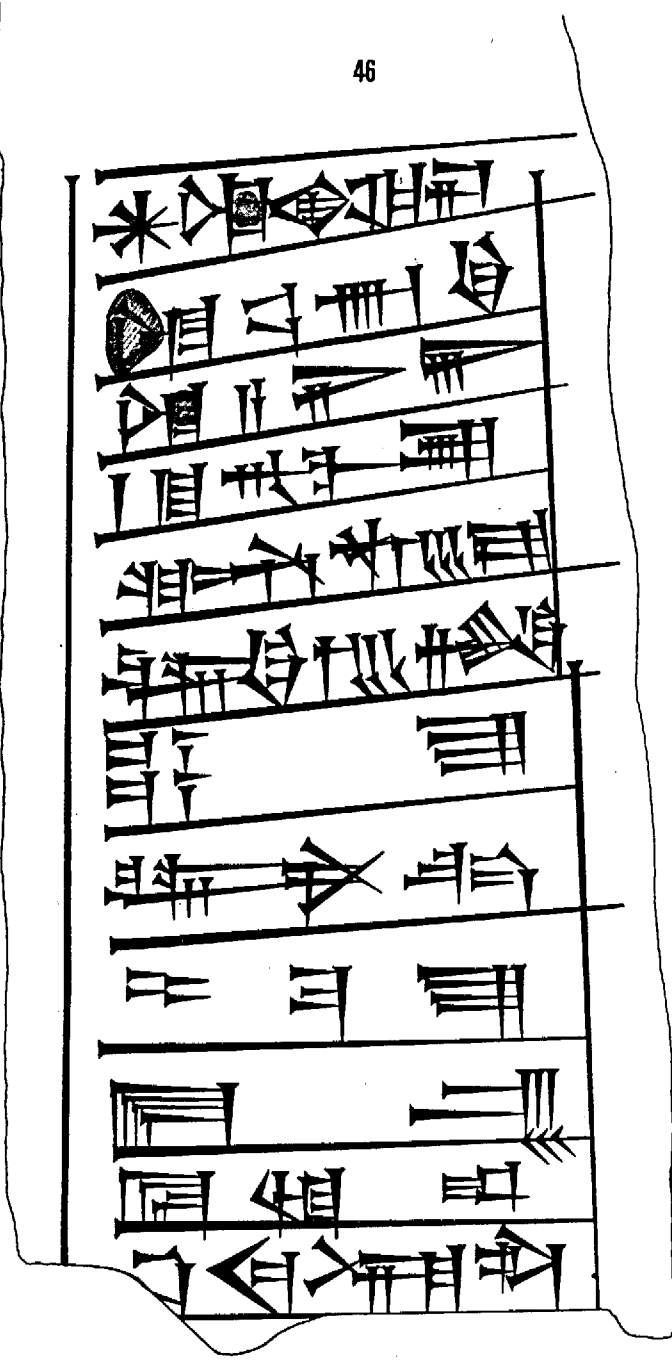








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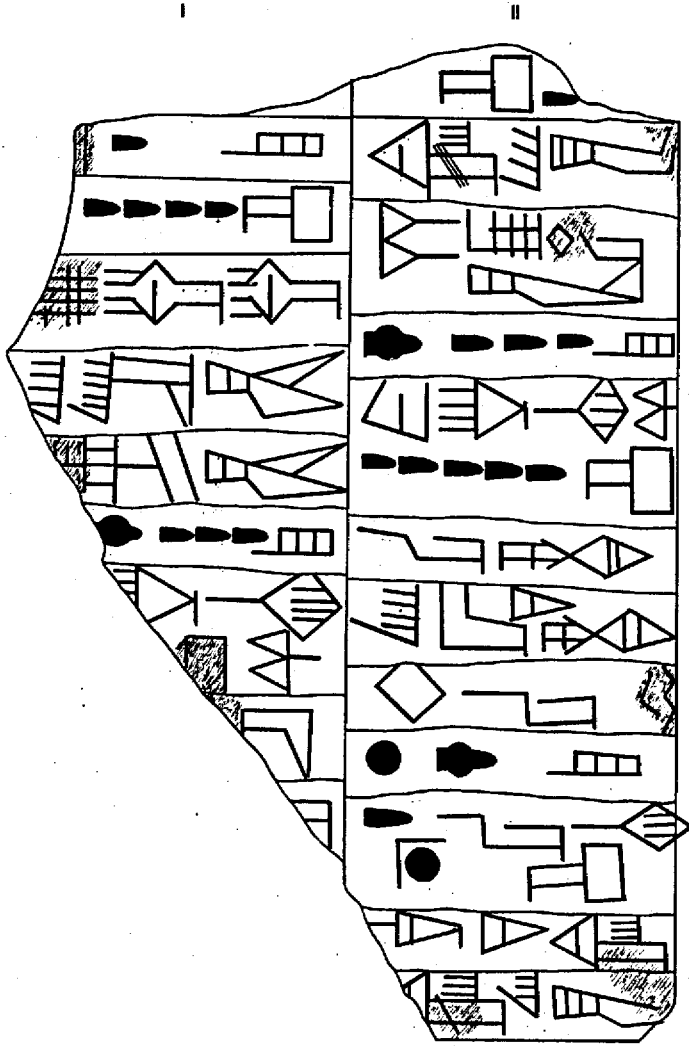
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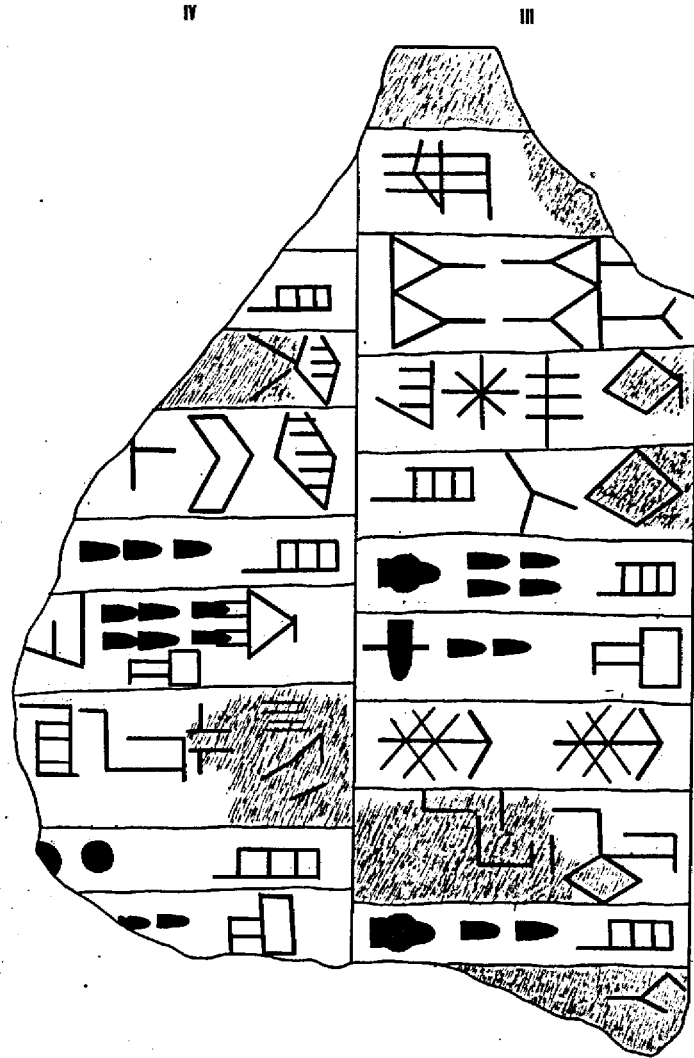
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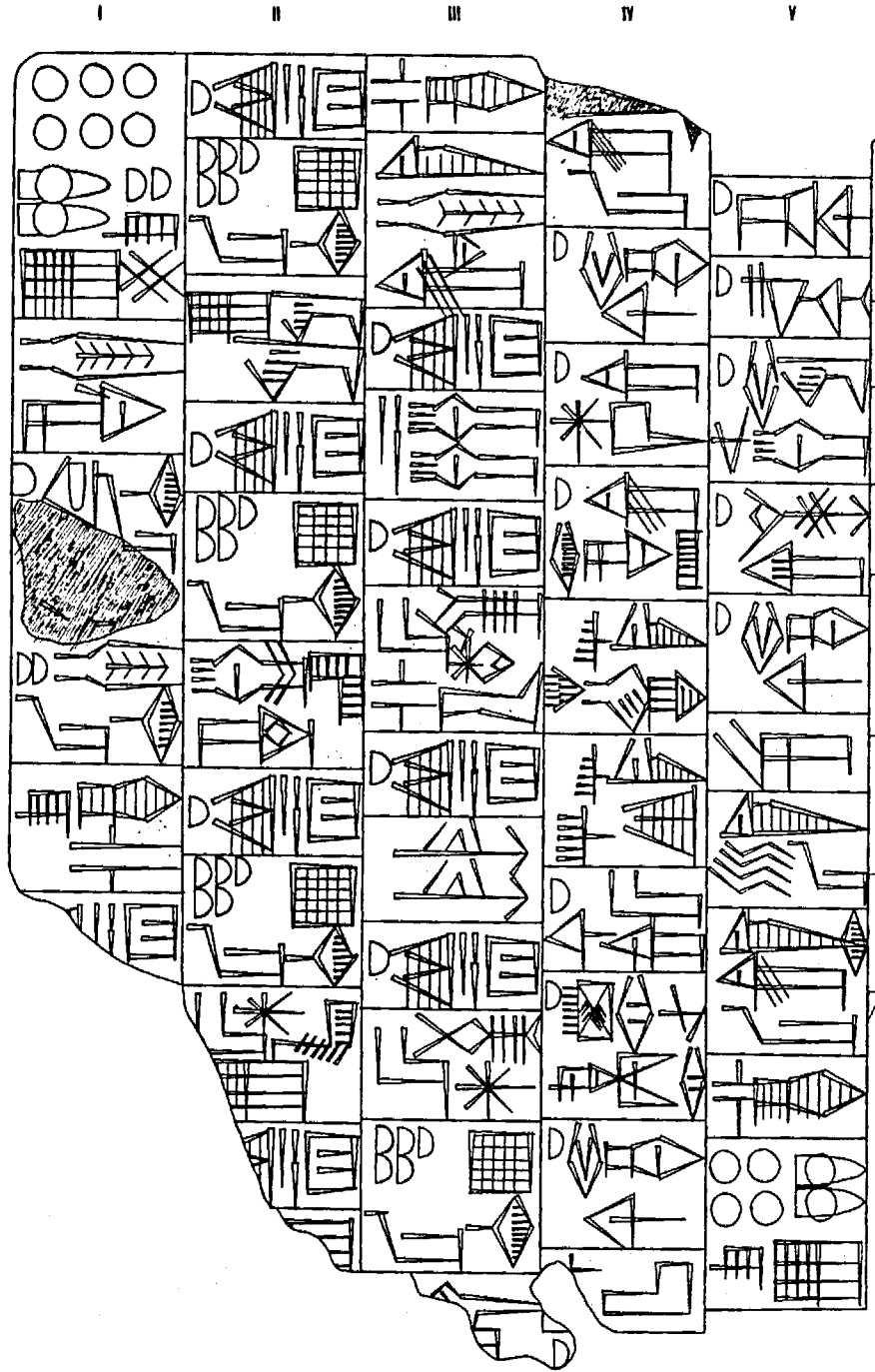
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49  
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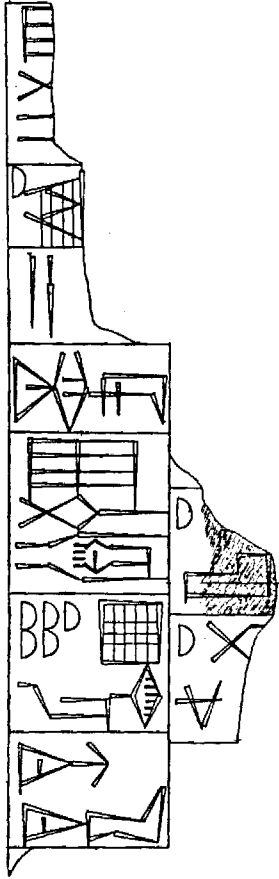




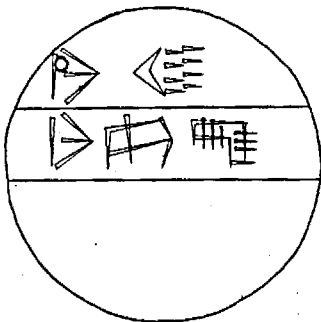


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VI VII

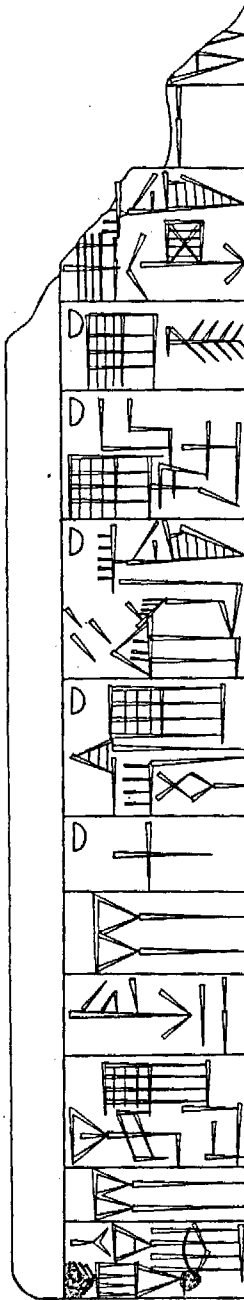


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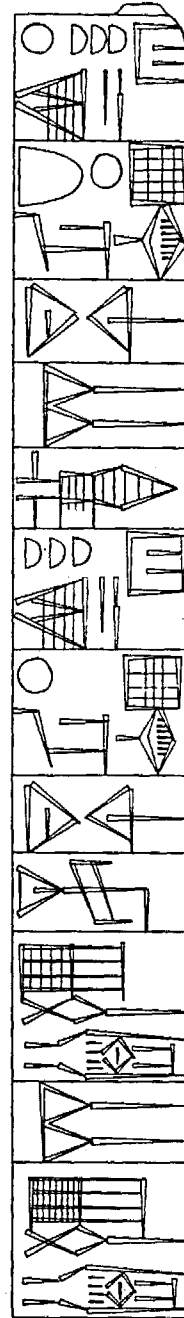


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IX

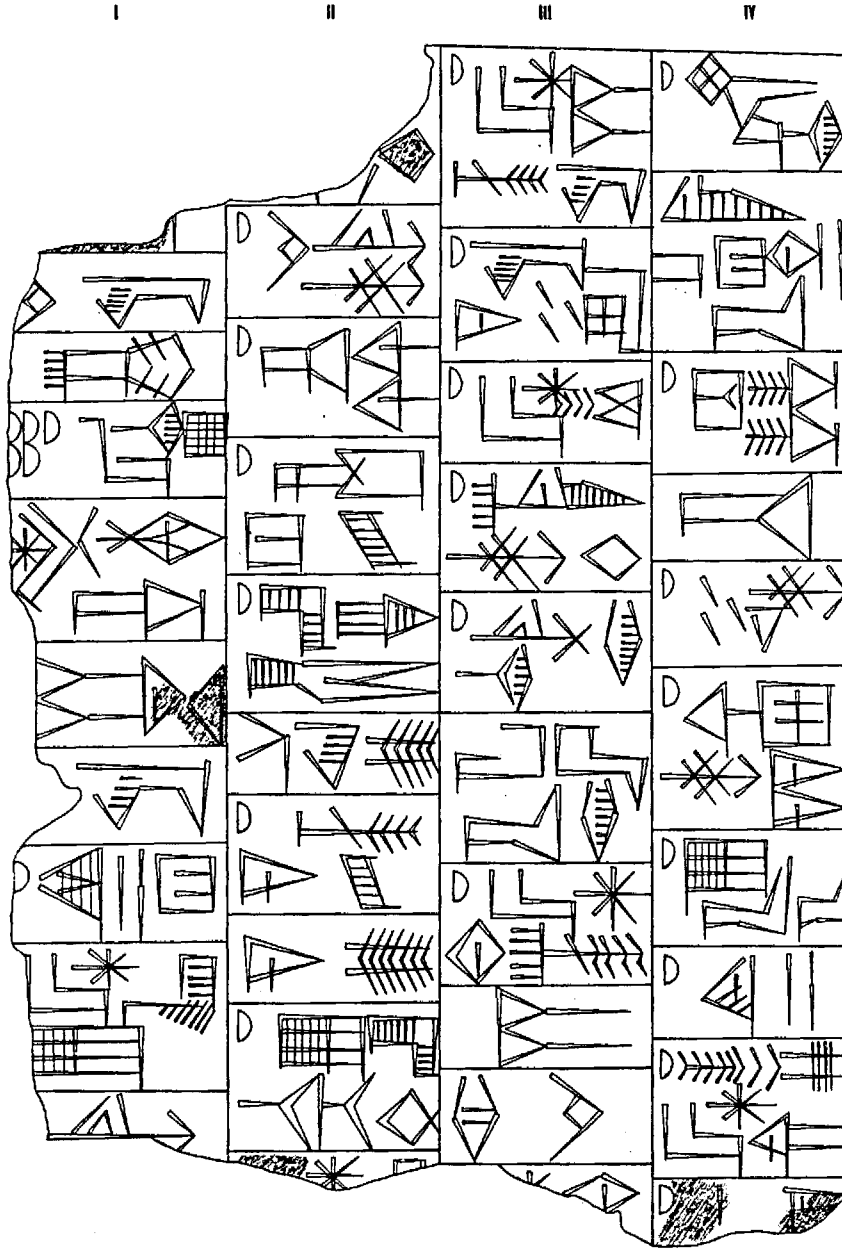


VIII



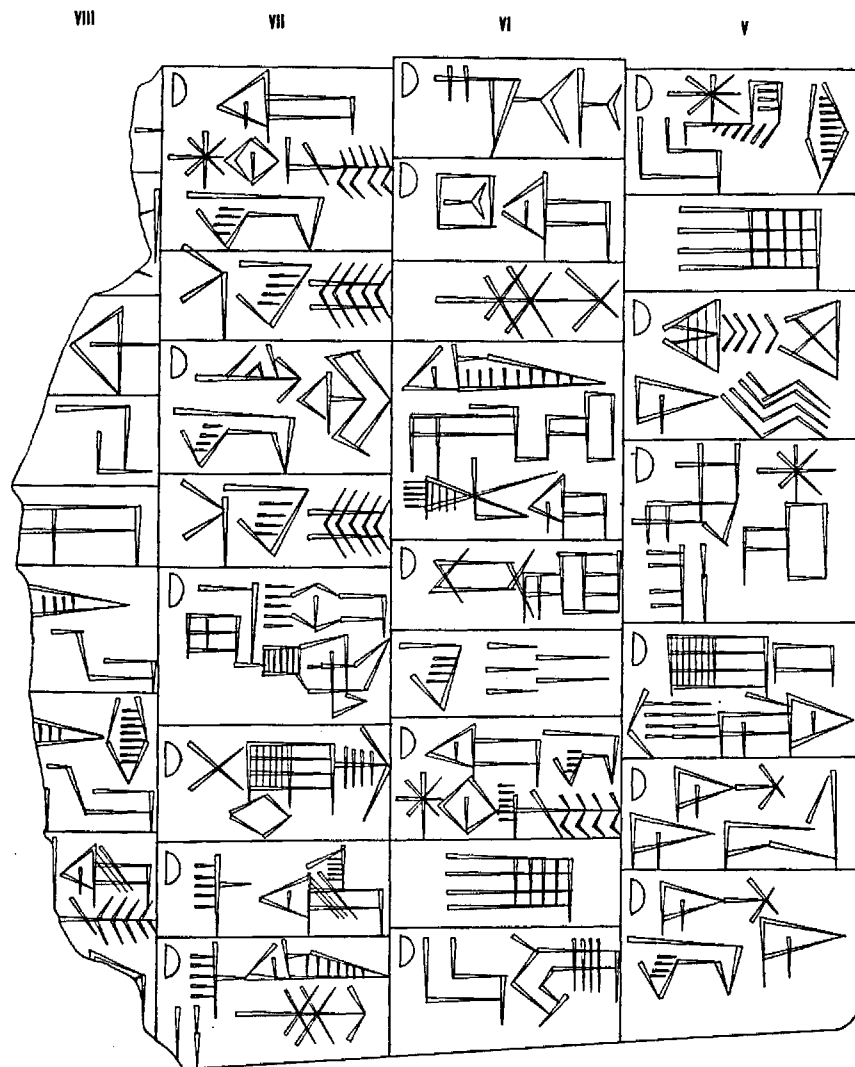


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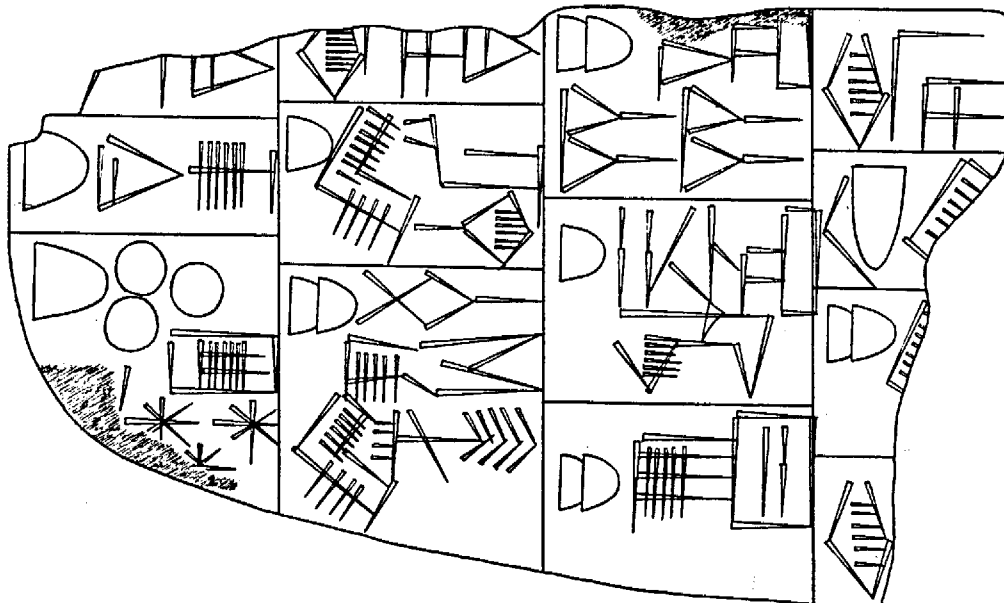
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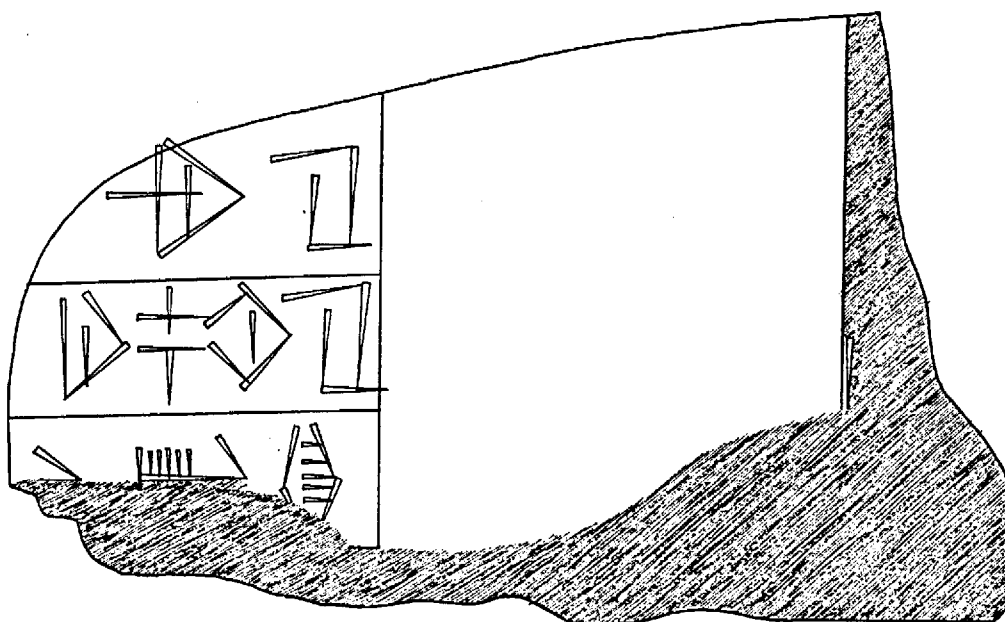


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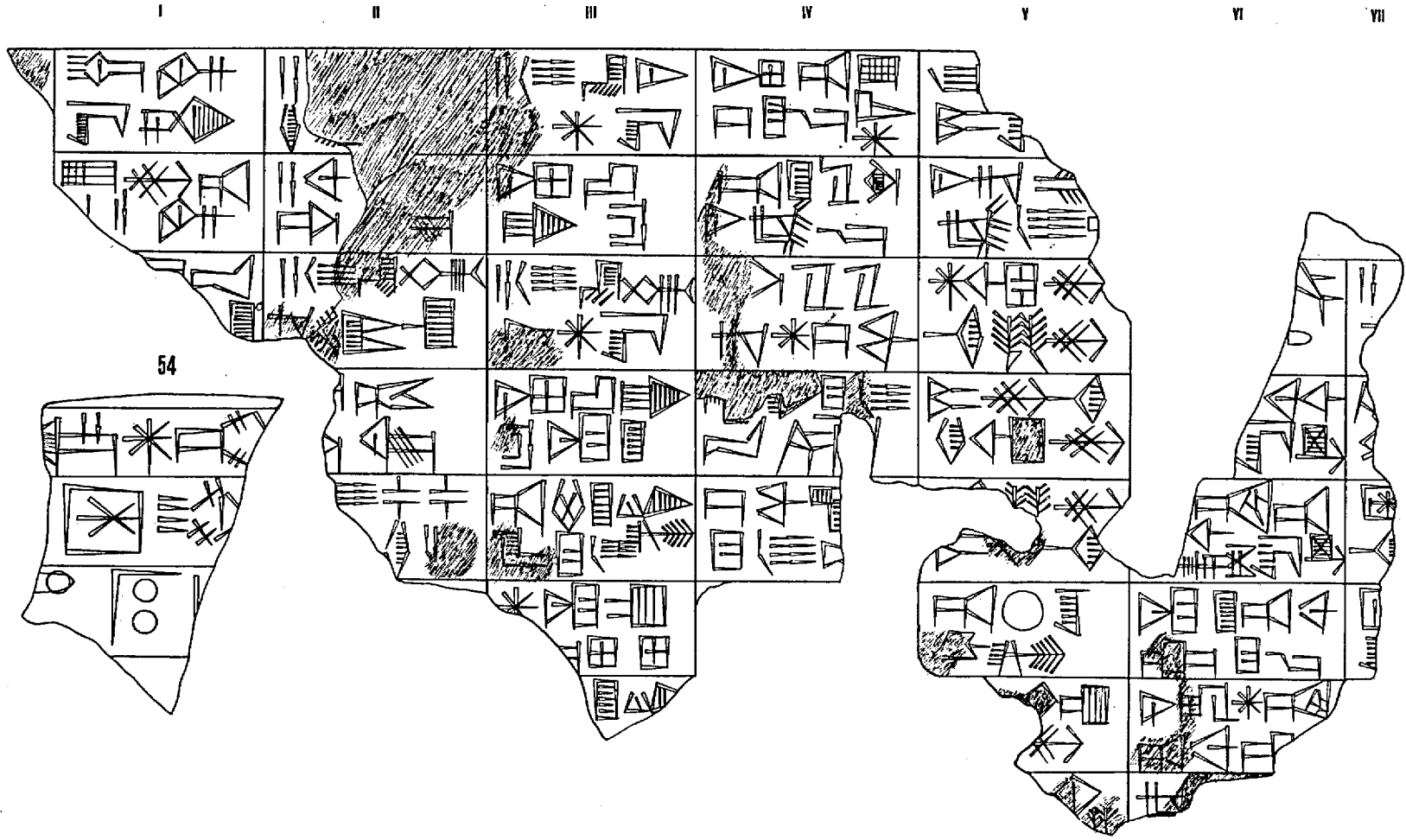
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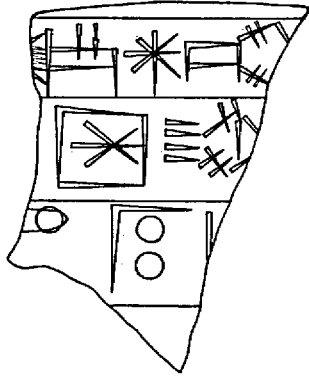




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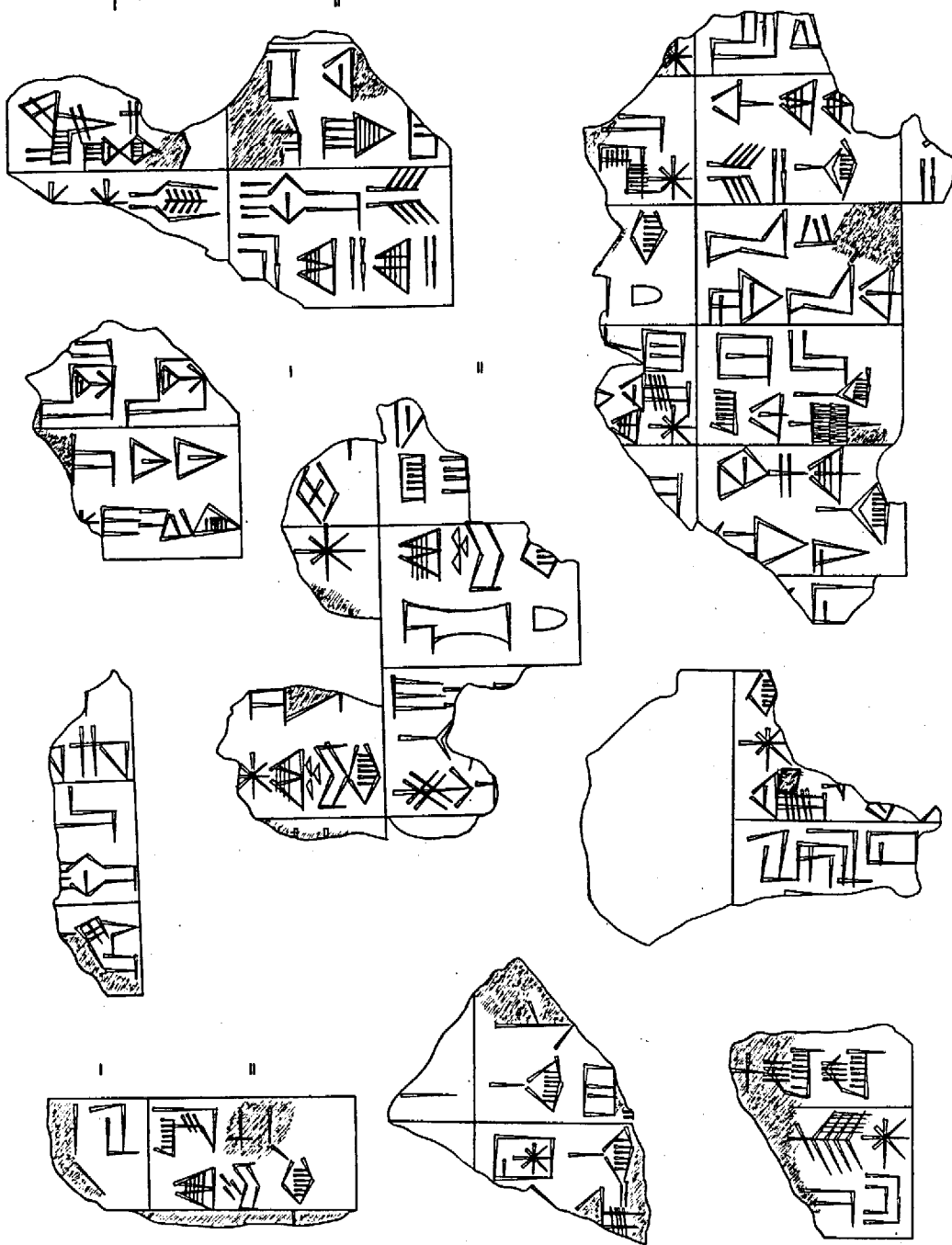


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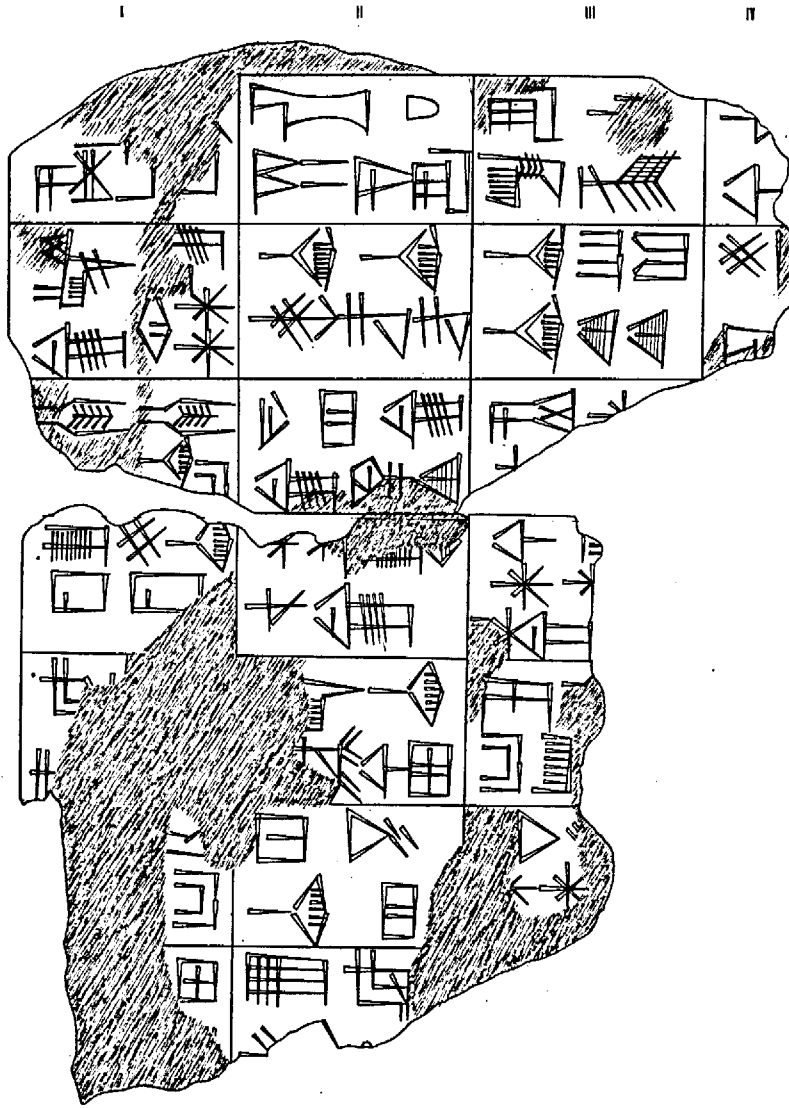


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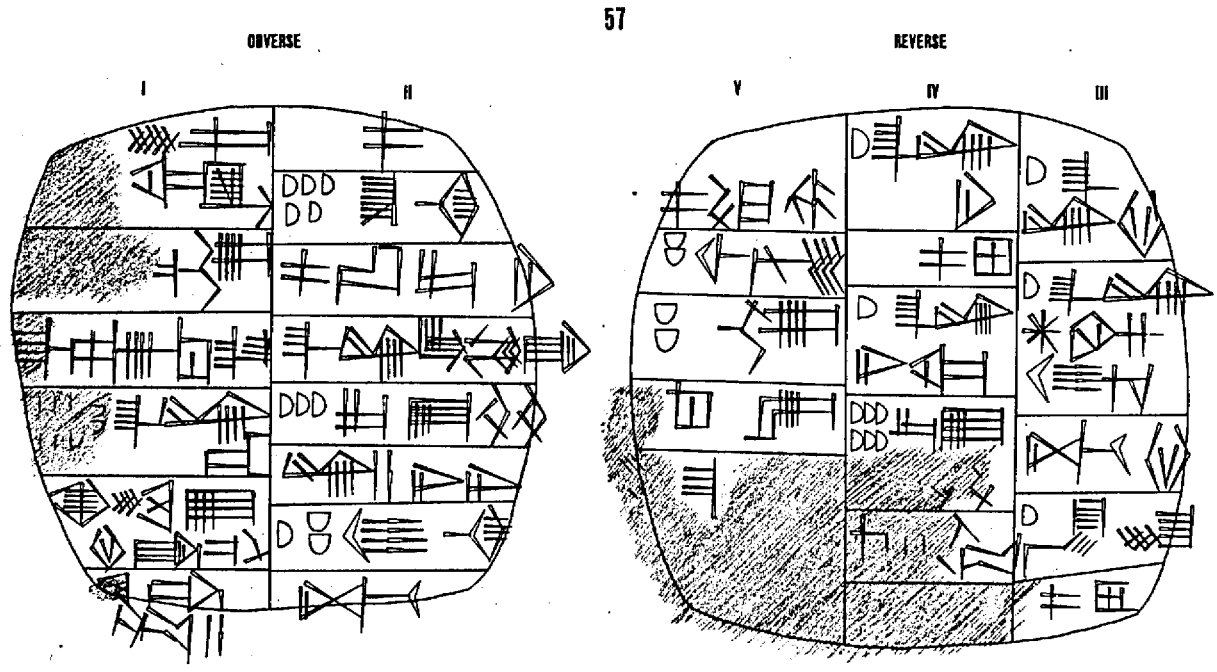




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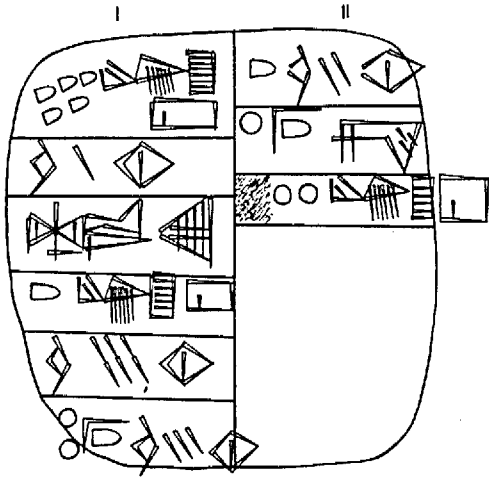




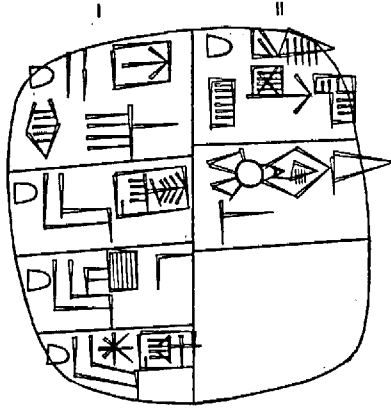




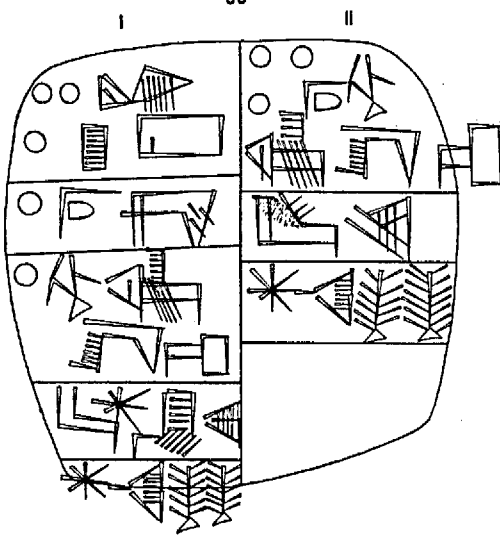
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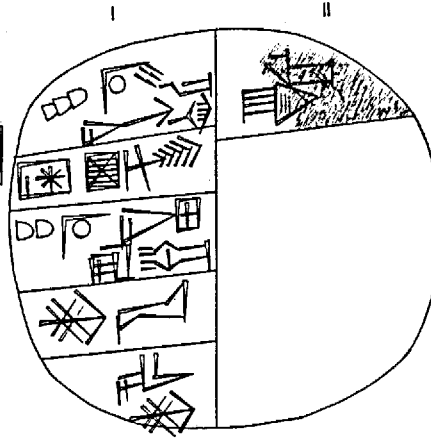
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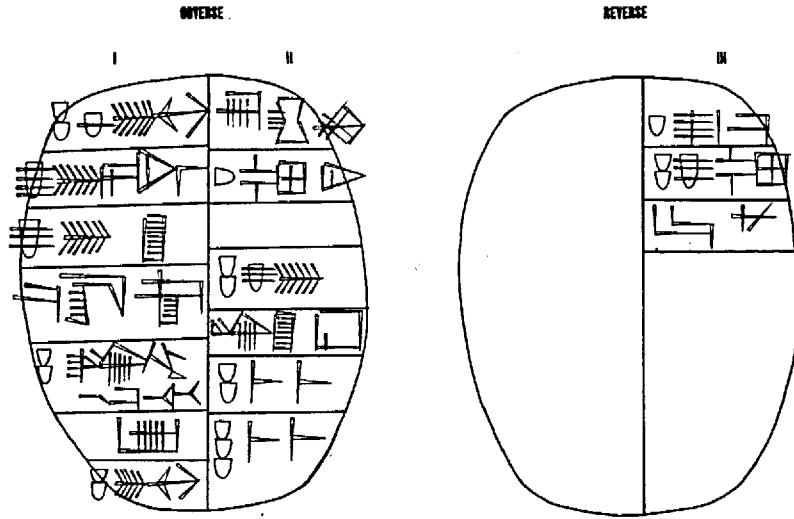


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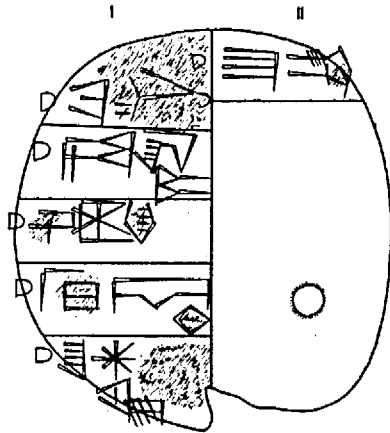




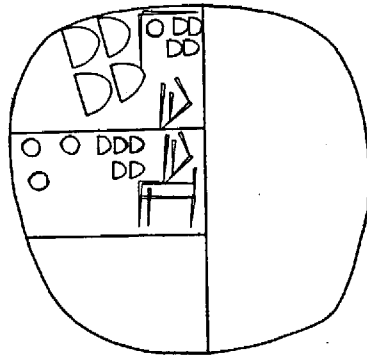
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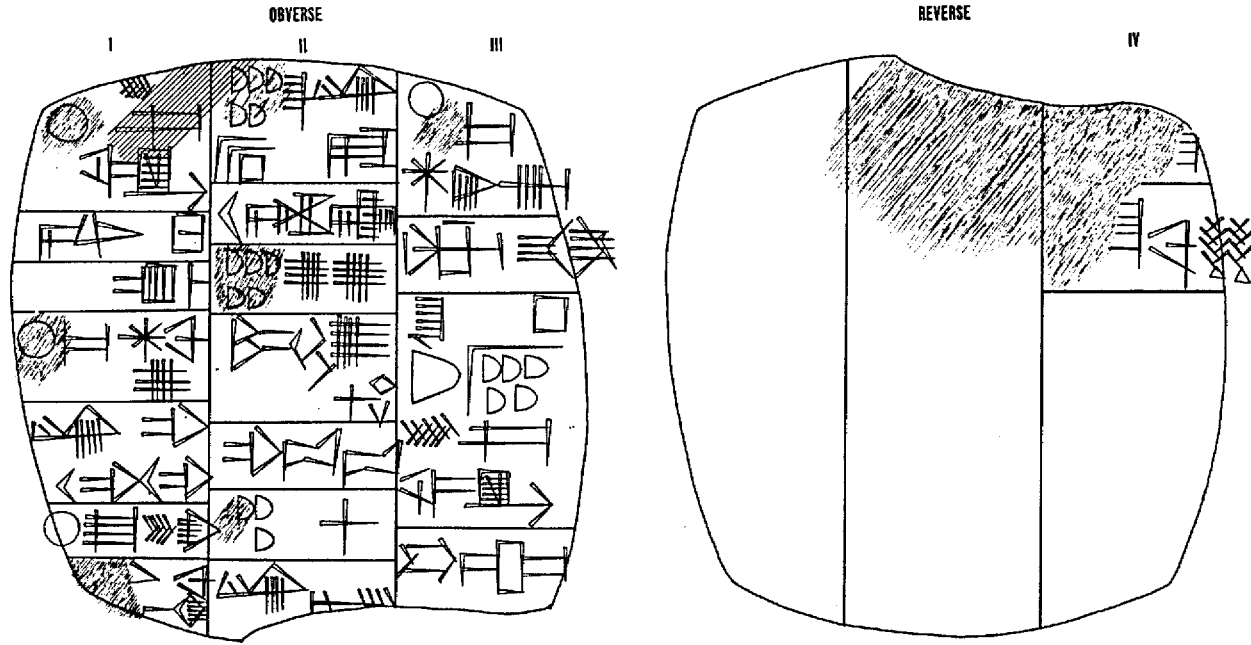


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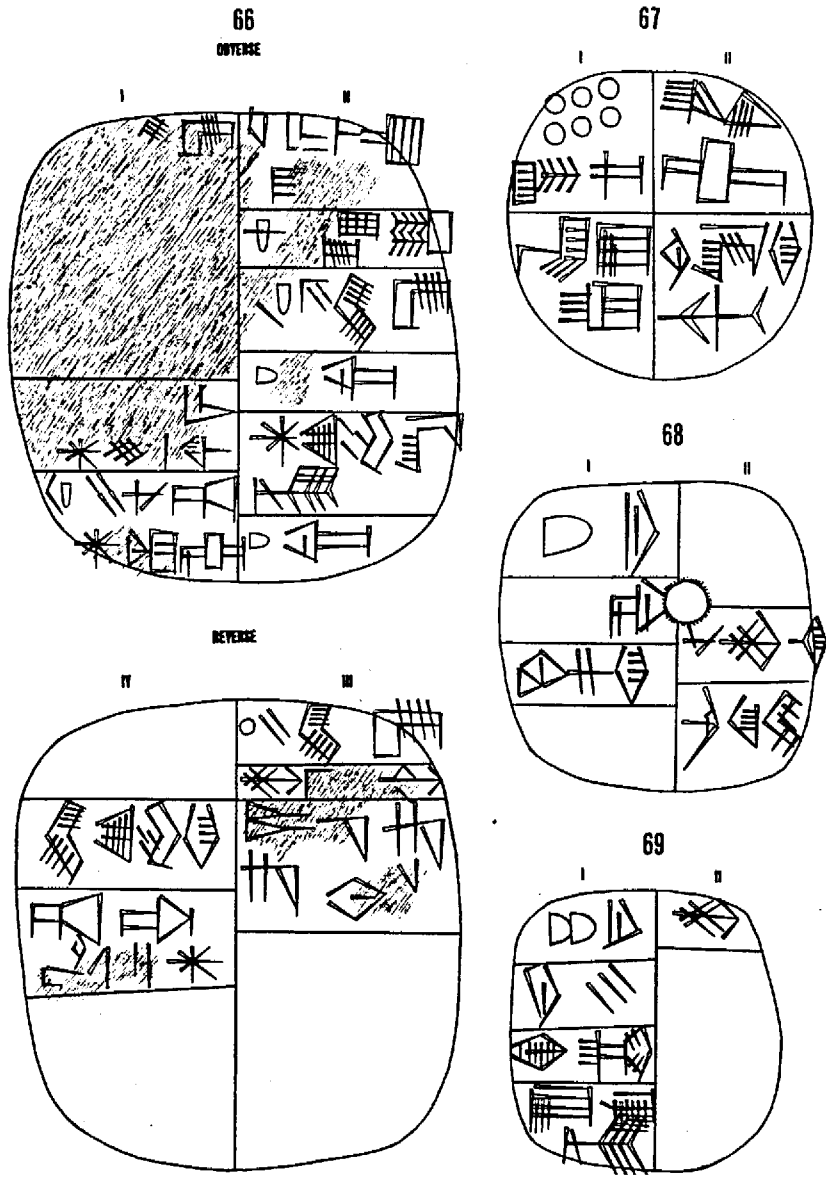




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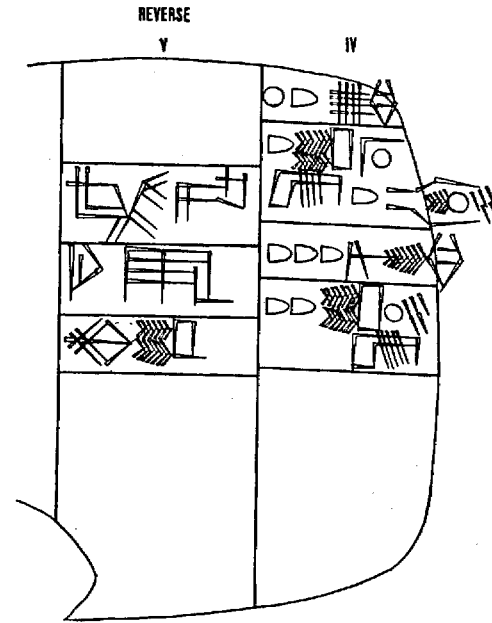
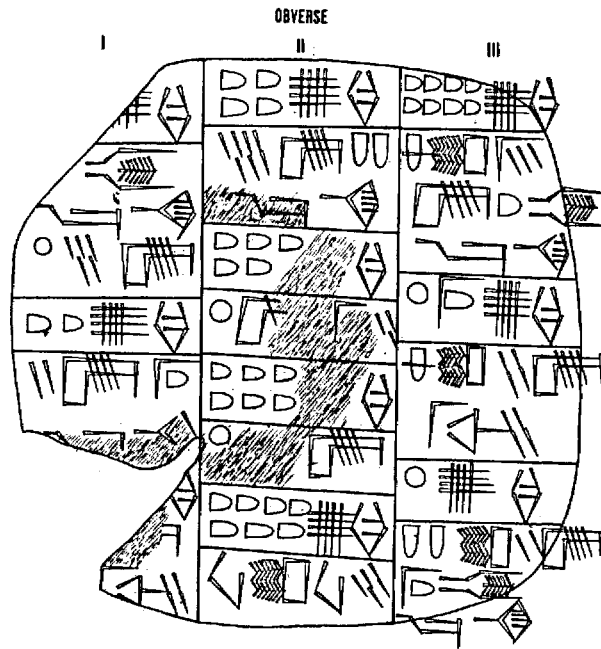




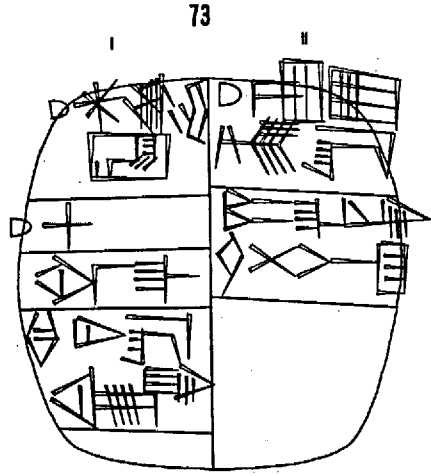
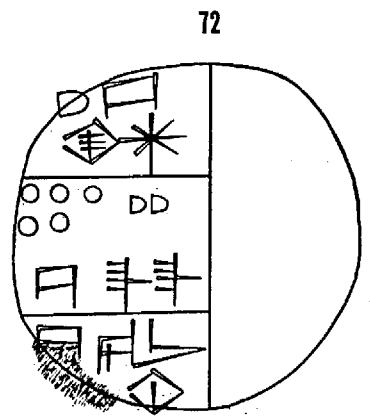
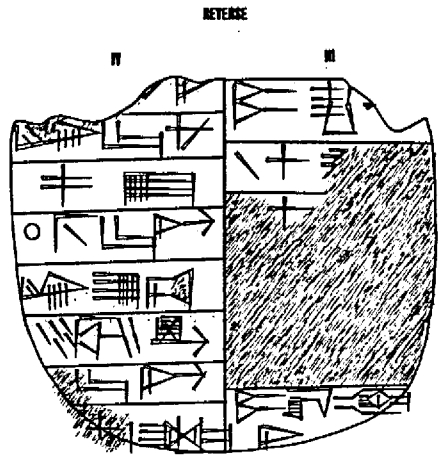
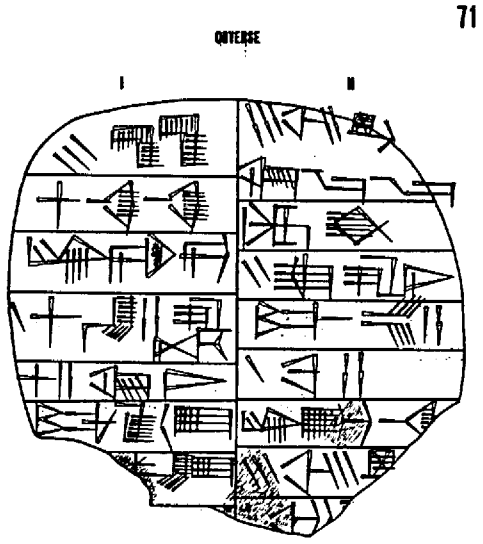




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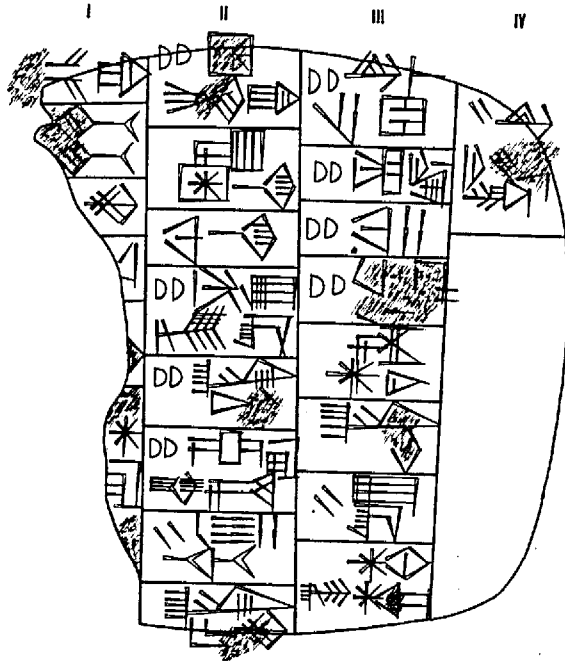




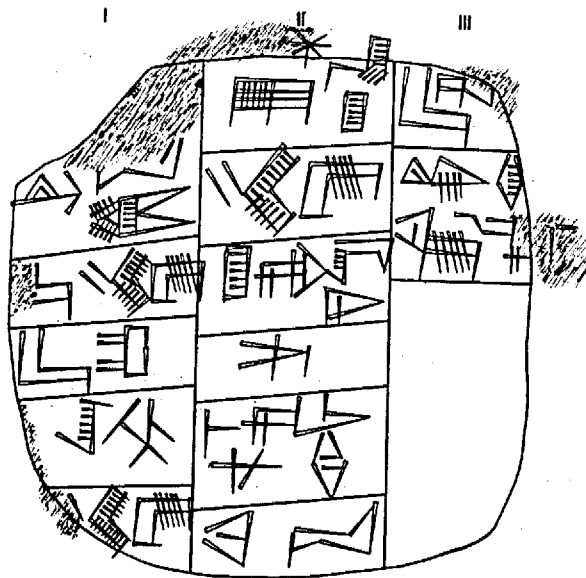




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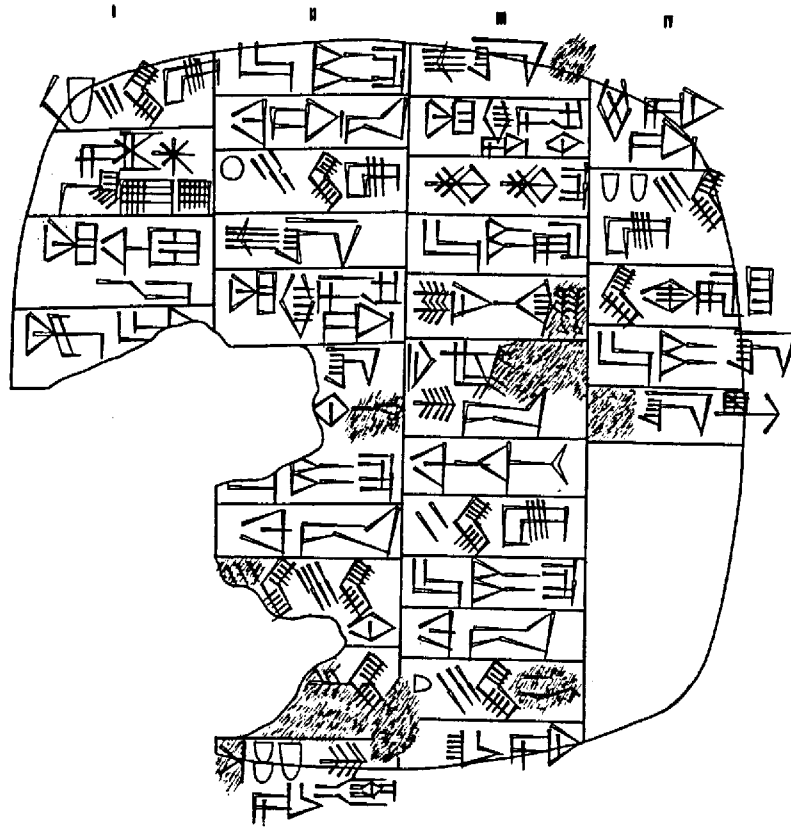


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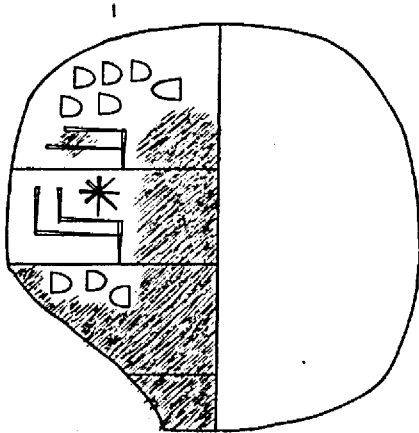


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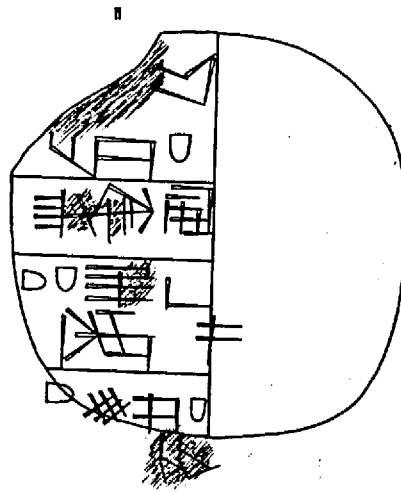


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VERSE

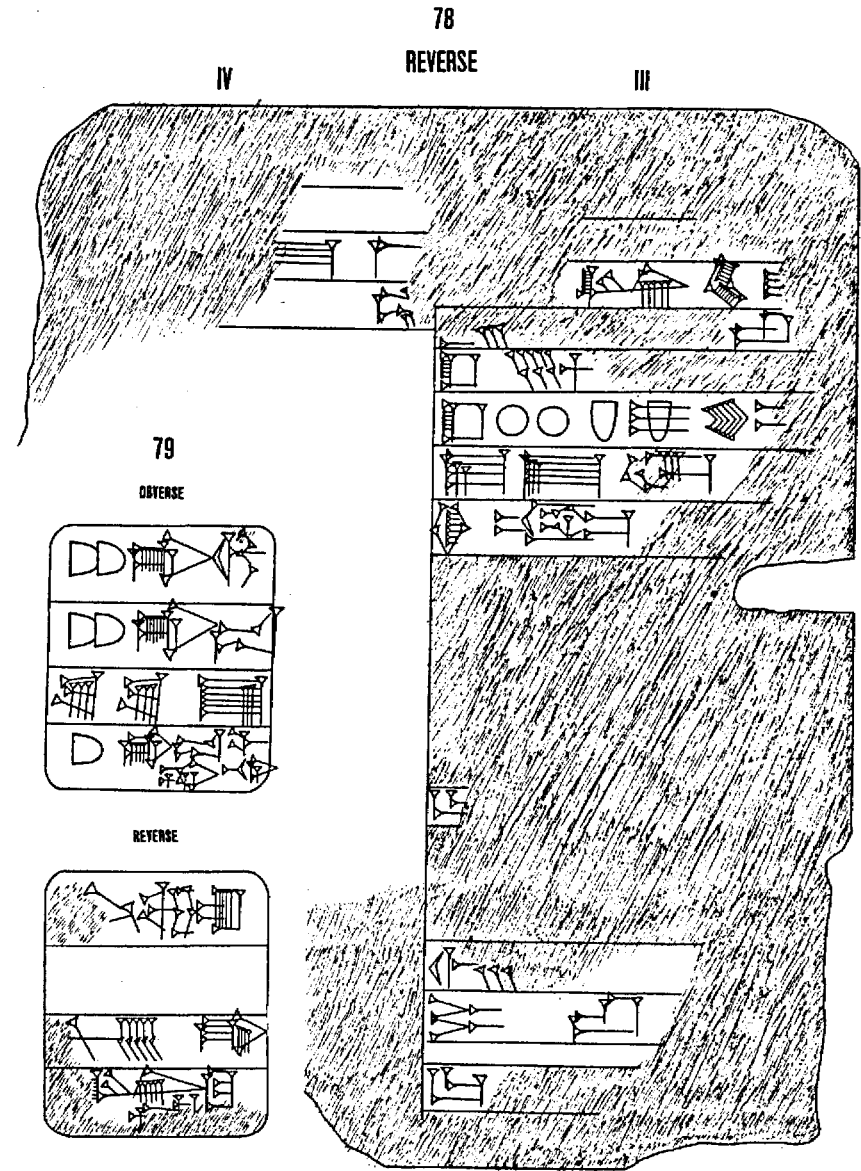
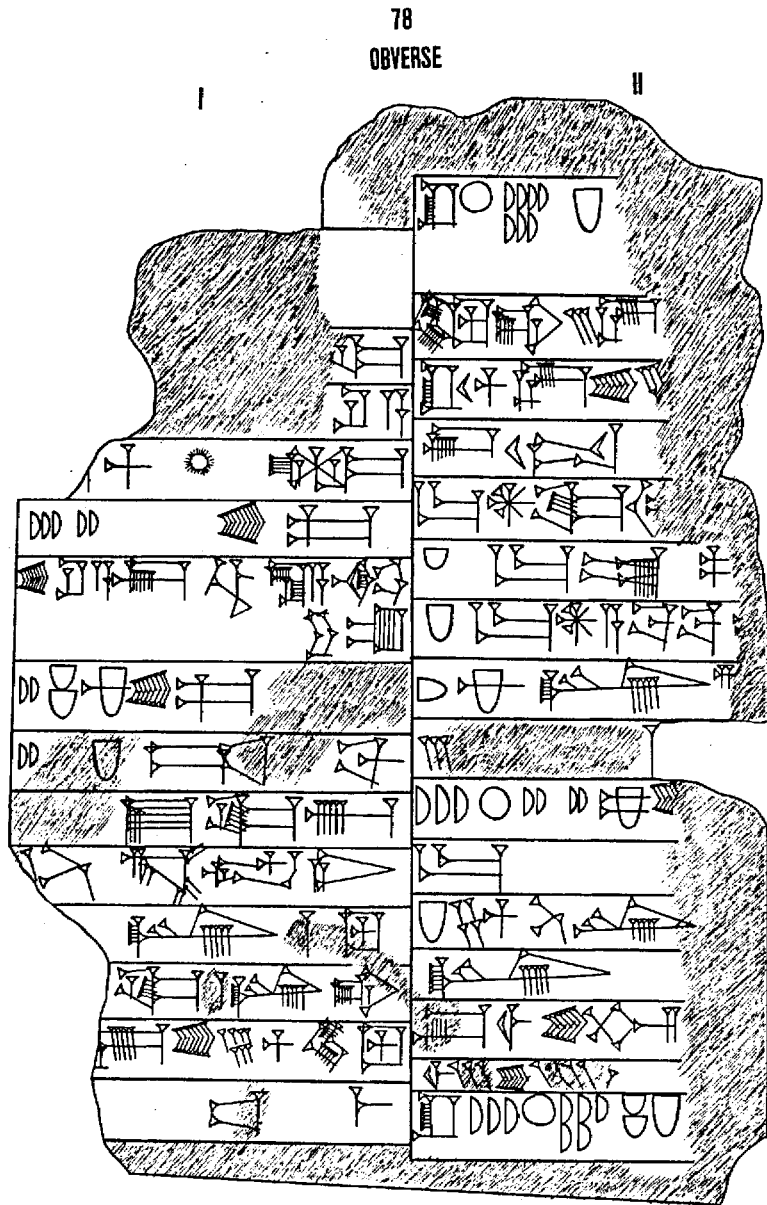


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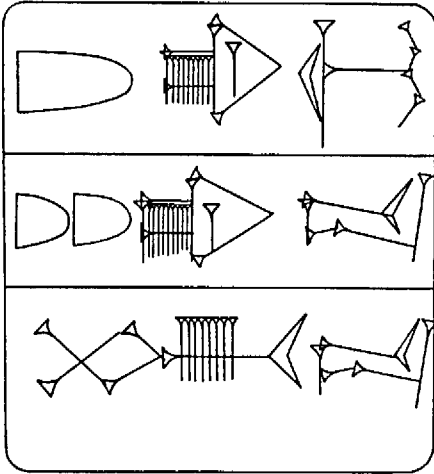






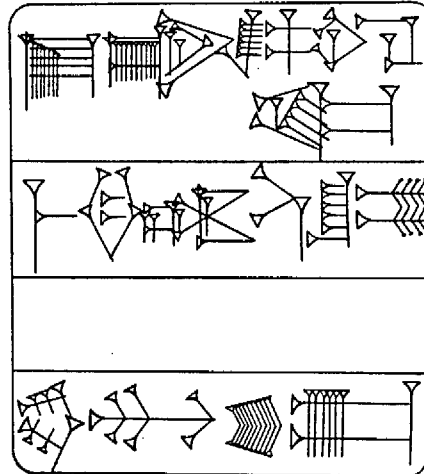


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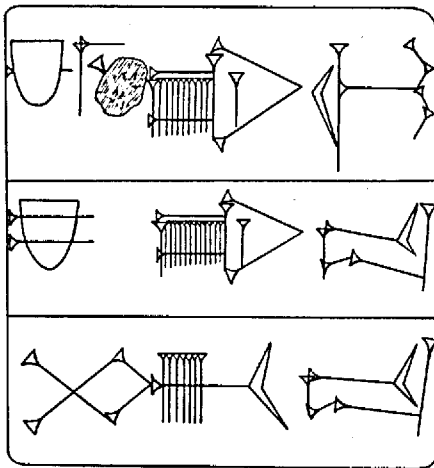
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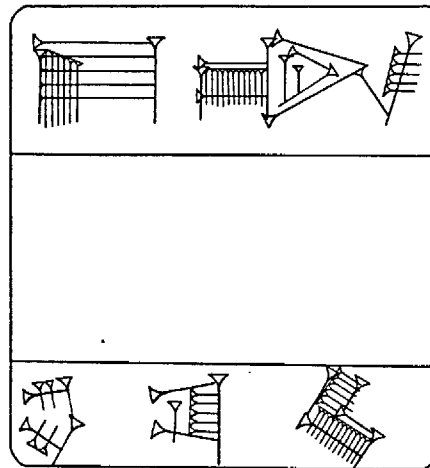


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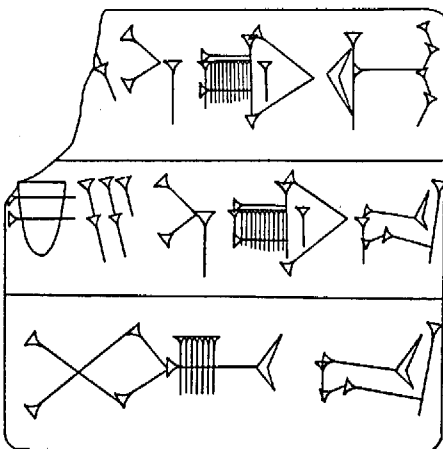


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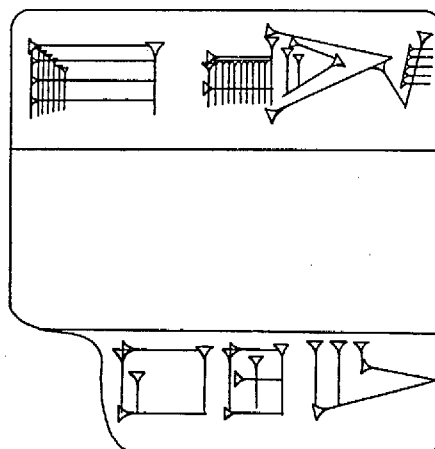


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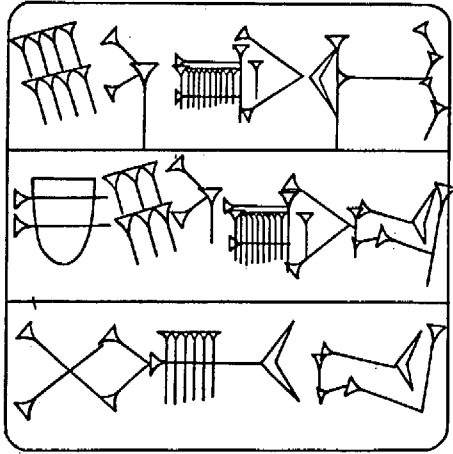
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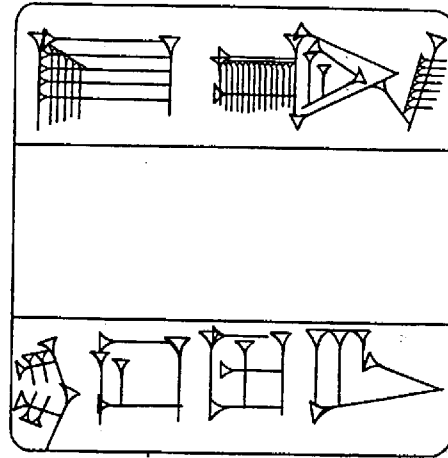


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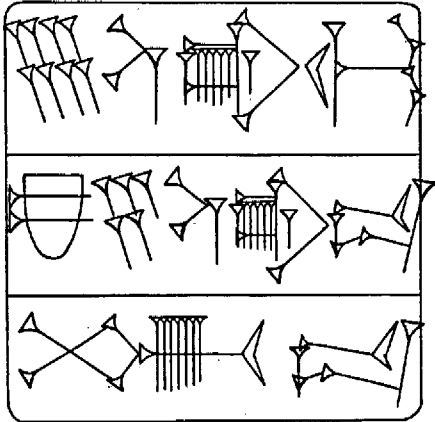


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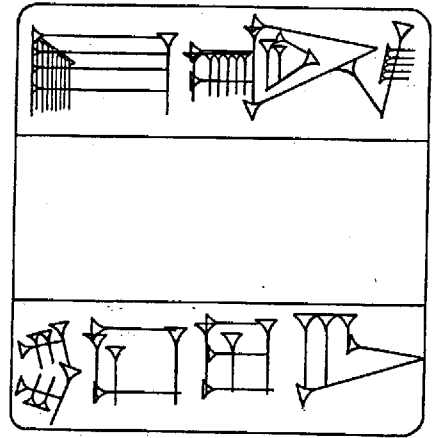


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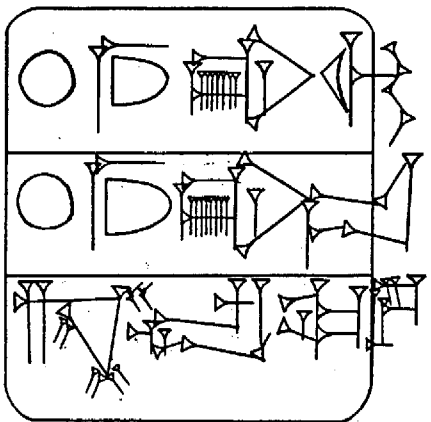


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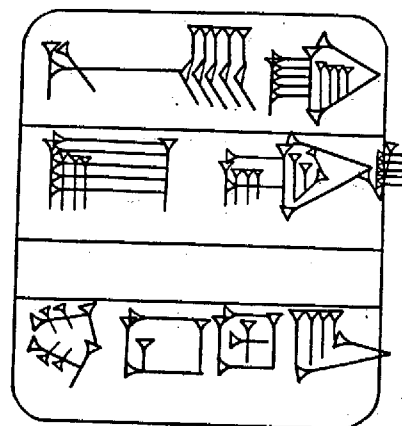


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OBVERSE



REVERSE

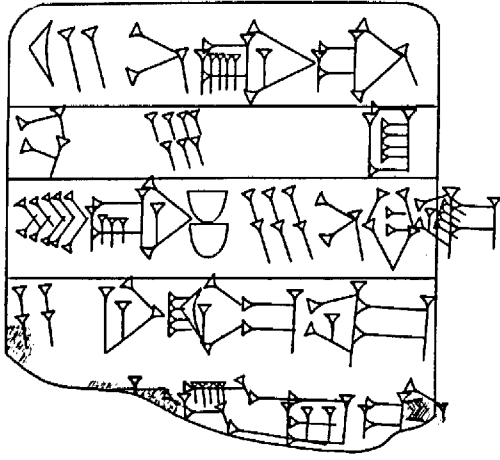




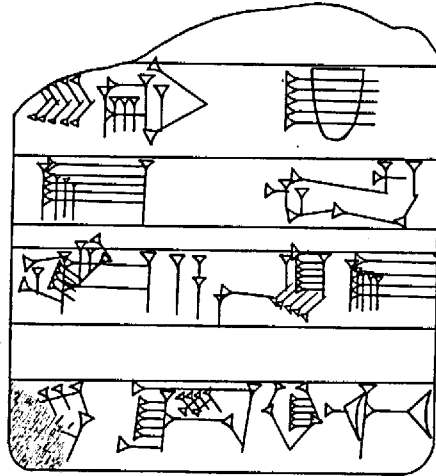


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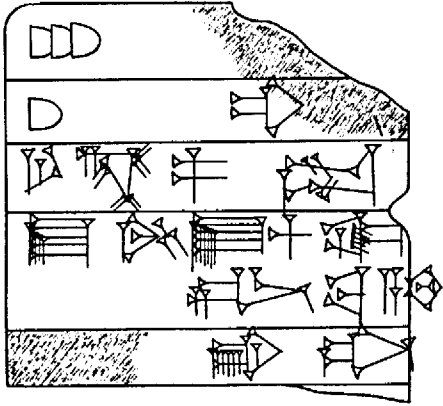


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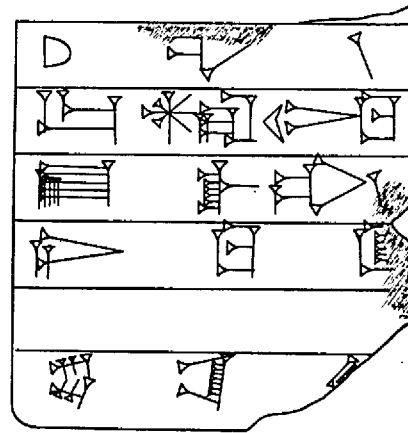


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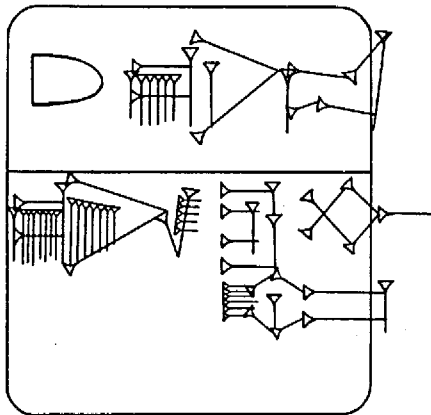


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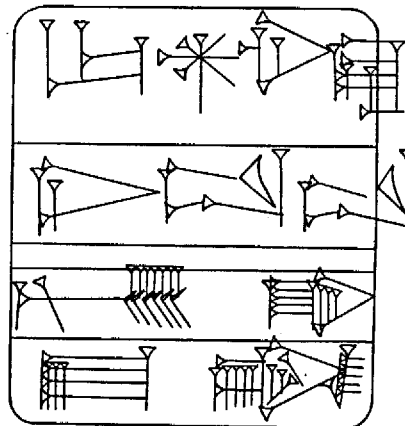


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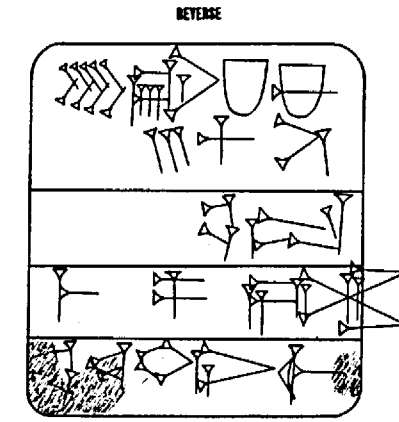
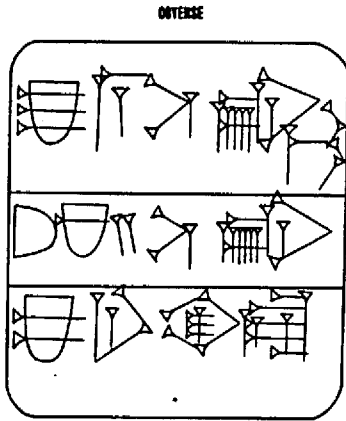


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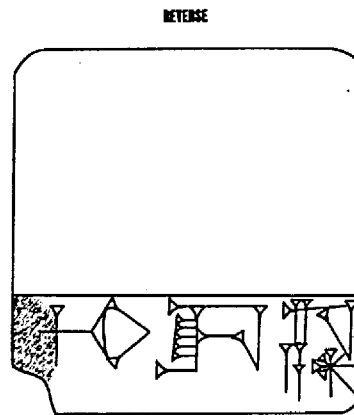
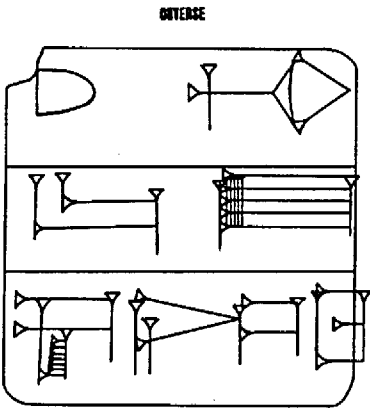




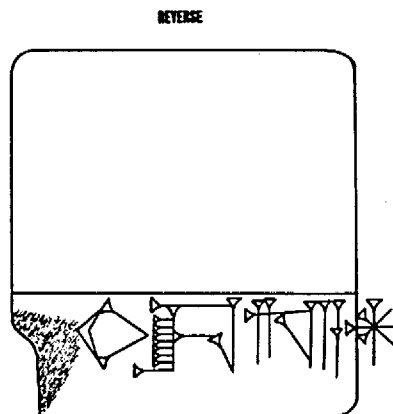
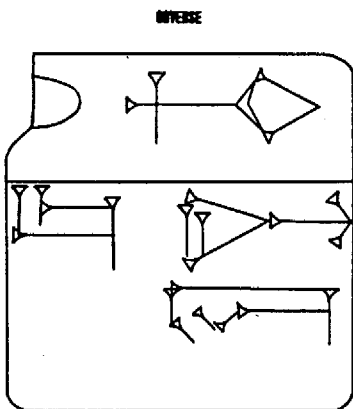
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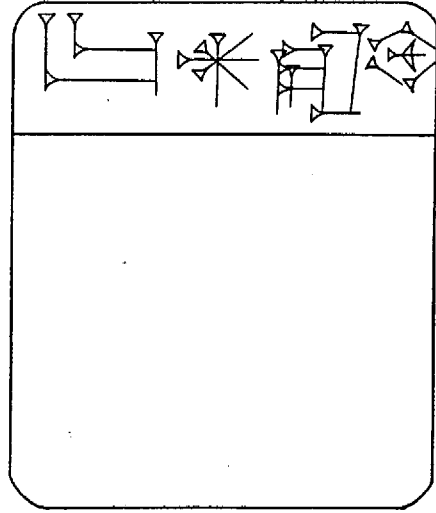
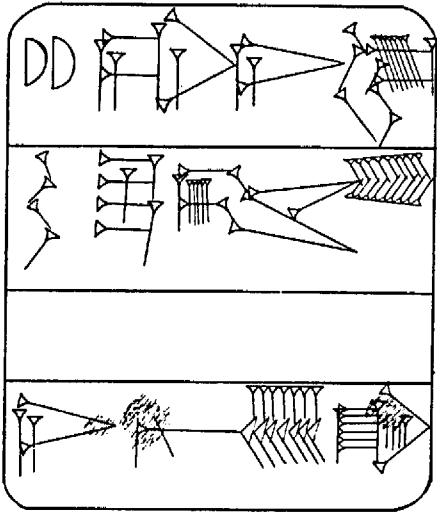




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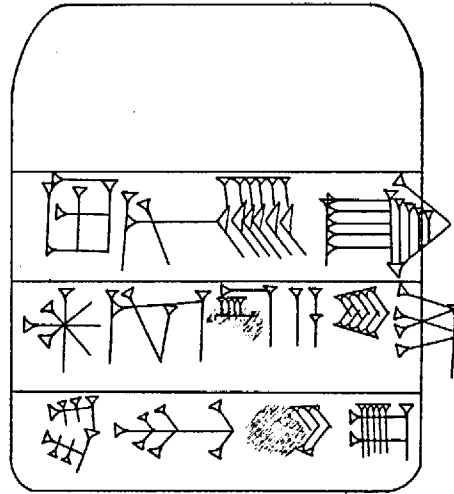
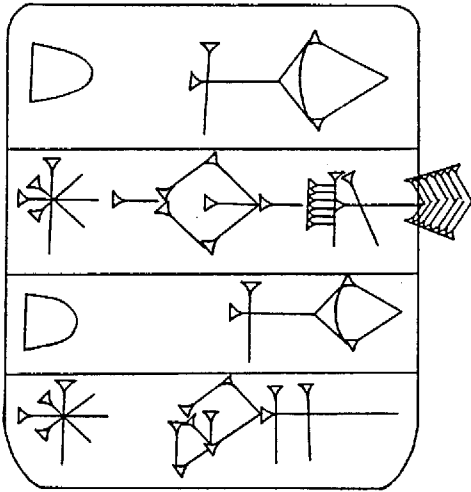
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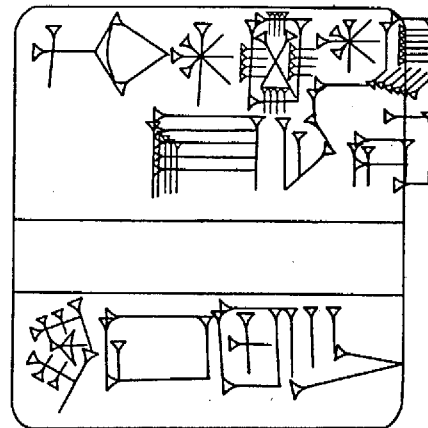
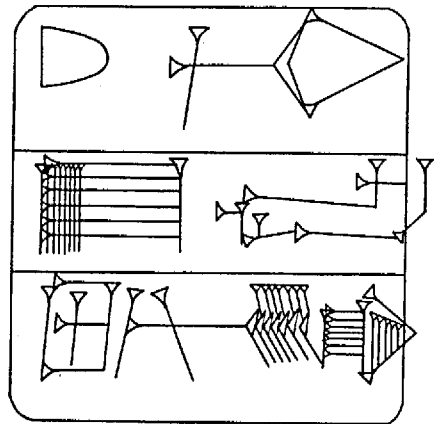
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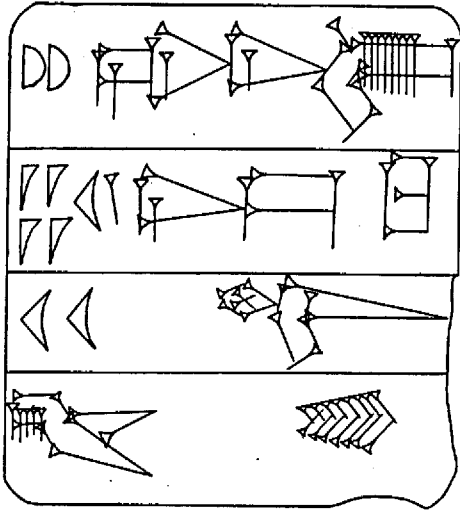
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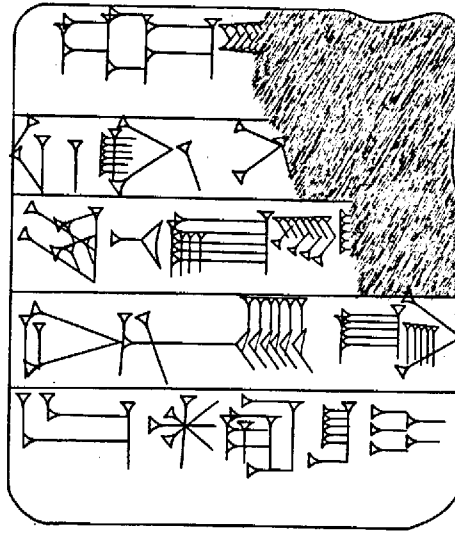


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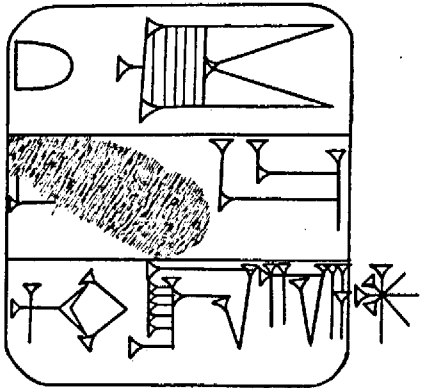


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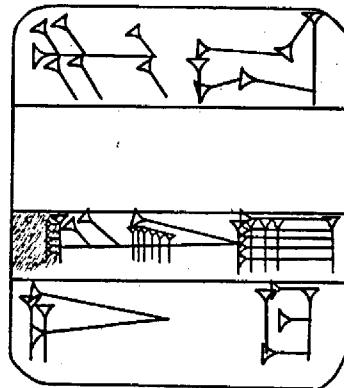


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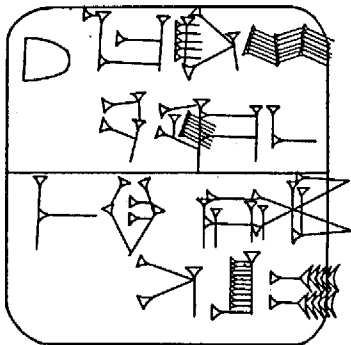


REVERSE

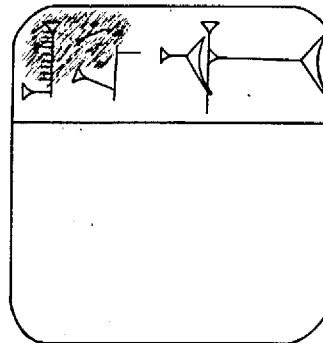


100

OBVERSE



REVERSE



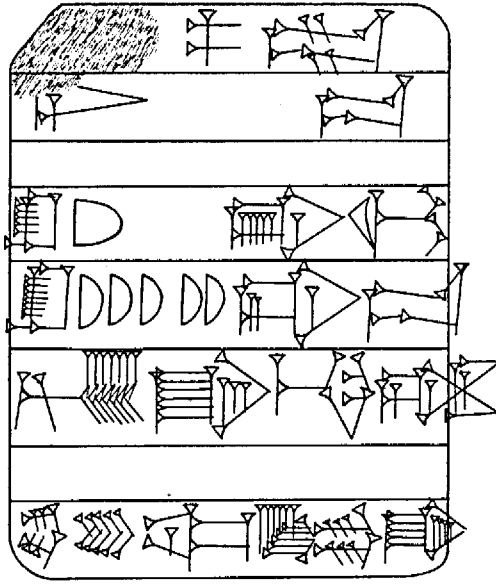
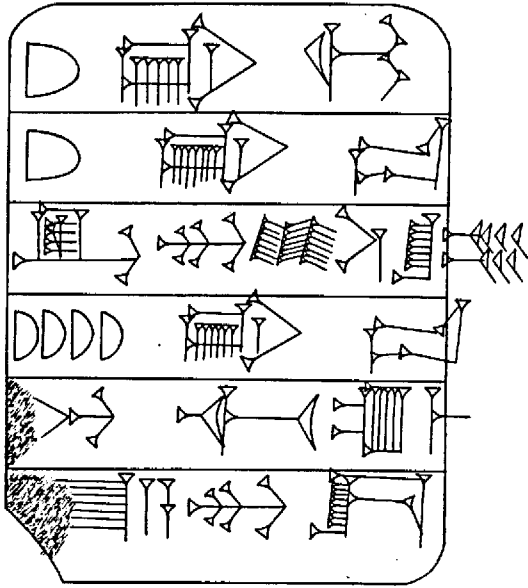




101

OBVERSE

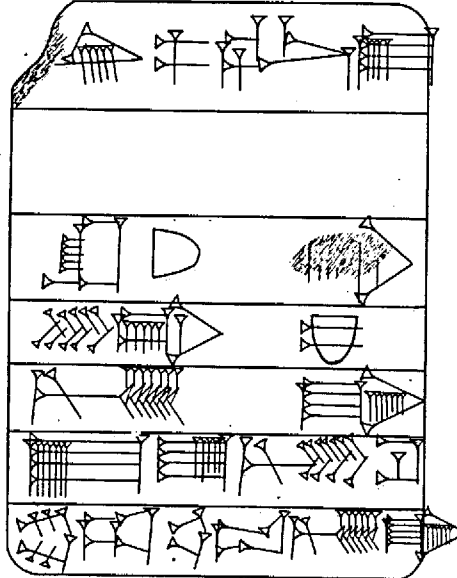
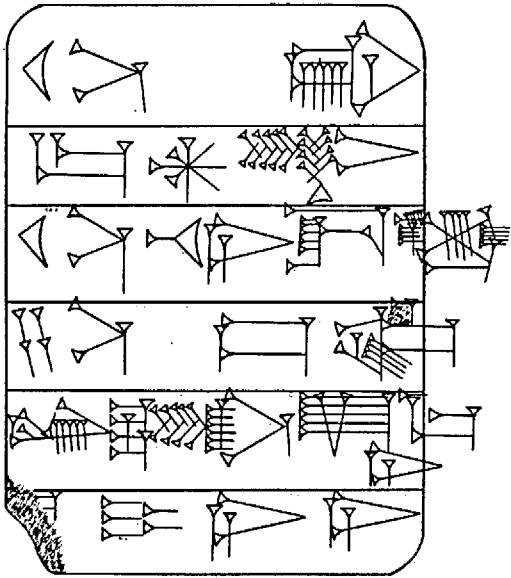
REVERSE



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OBVERSE

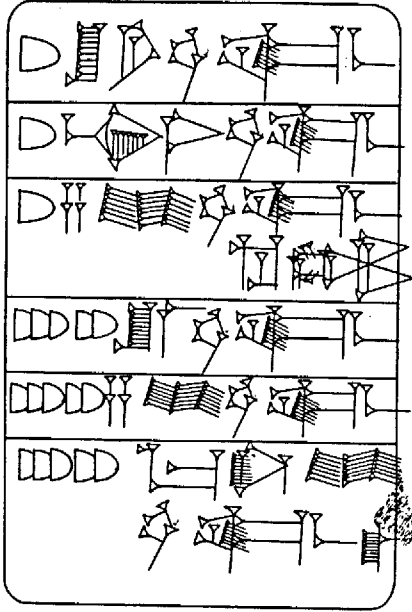
REVERSE



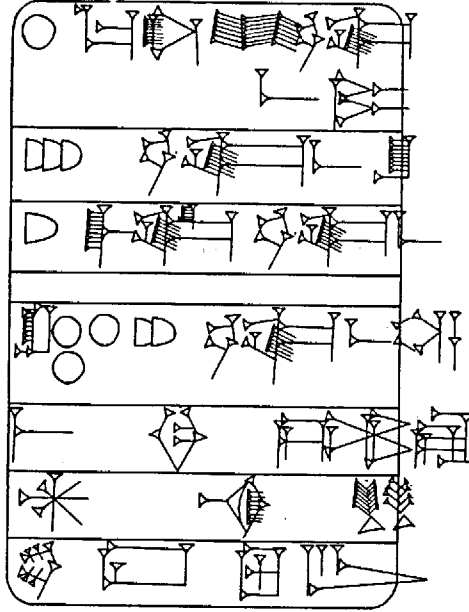


103

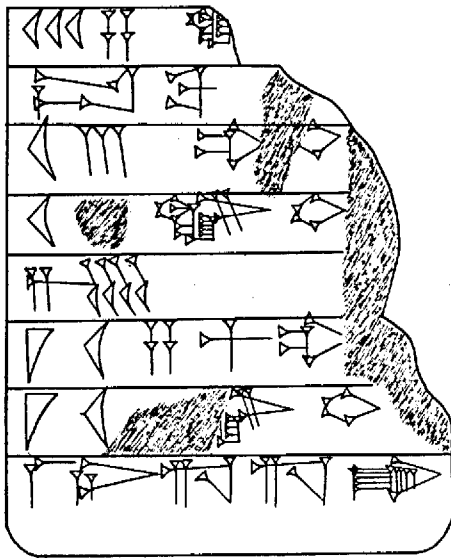
REVERSE



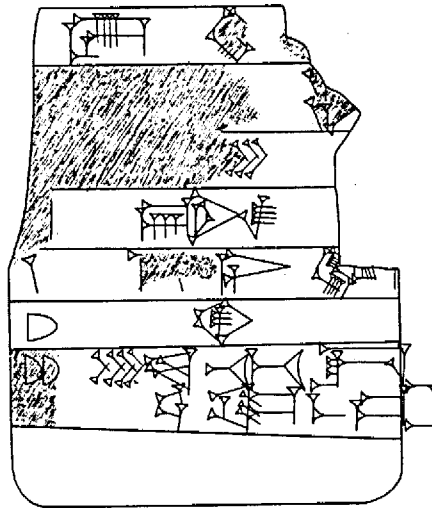
REVERSE



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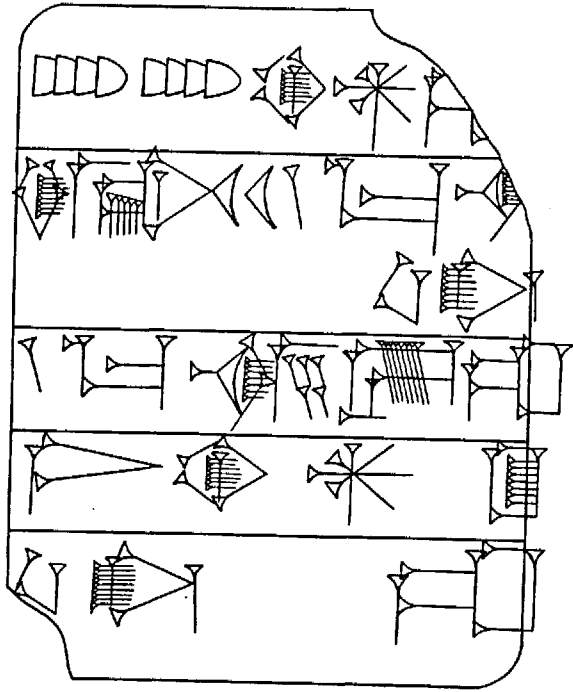
105



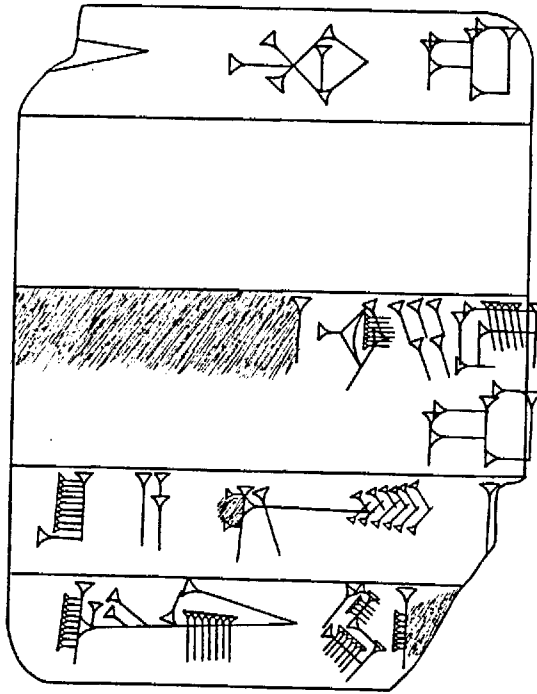


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OBVERSE

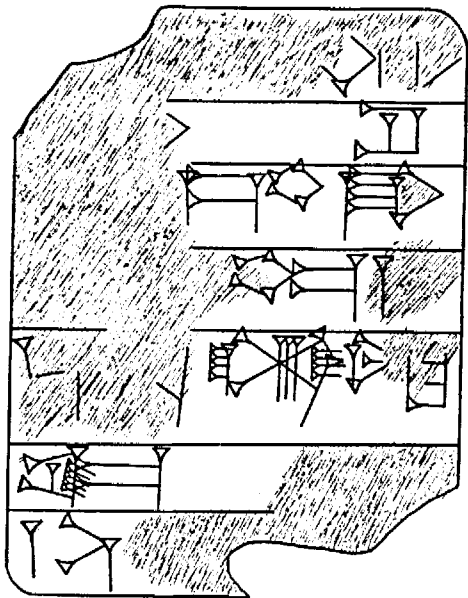


REVERSE

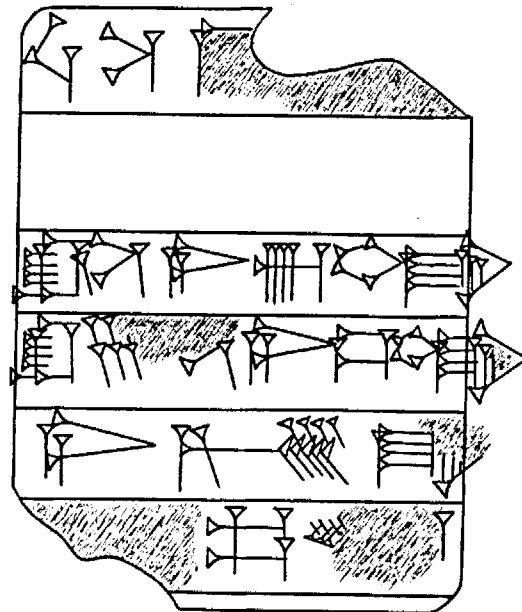


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OBVERSE

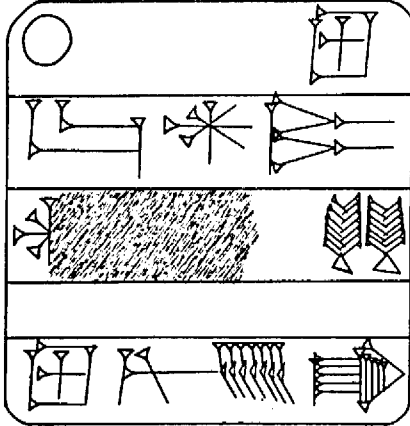


REVERSE



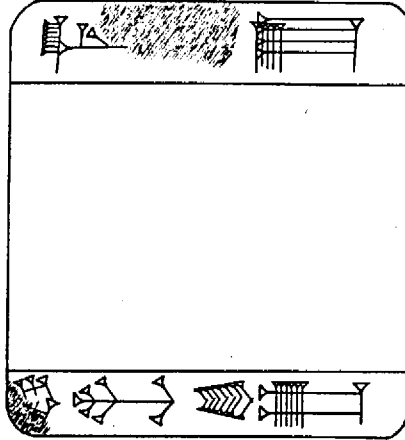


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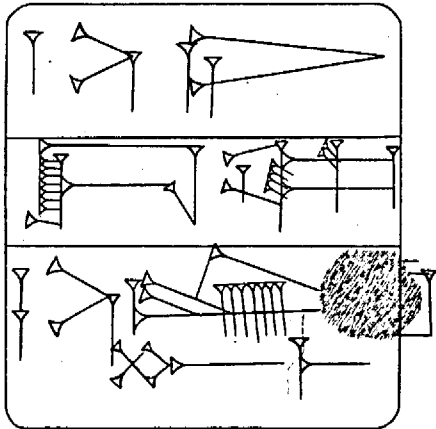


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REVERSE

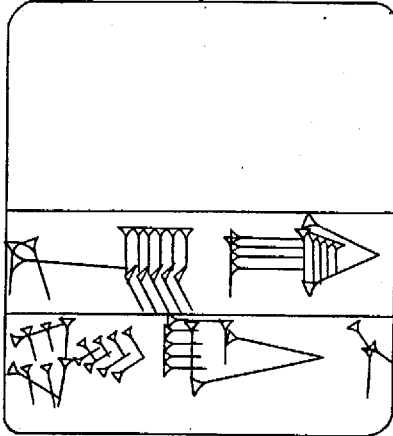


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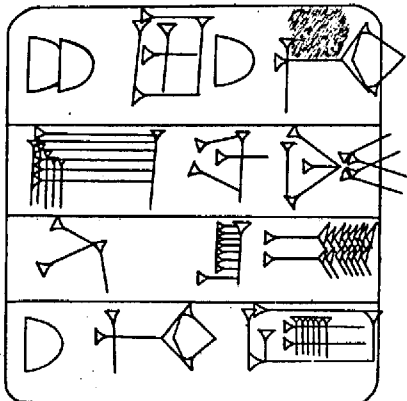


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REVERSE

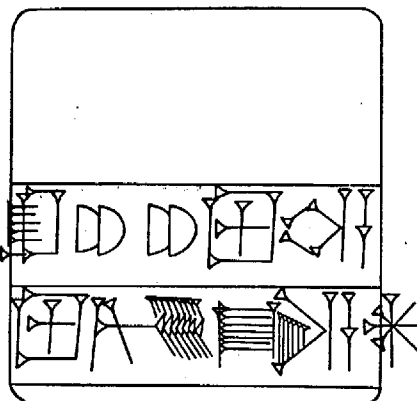


OBVERSE



110

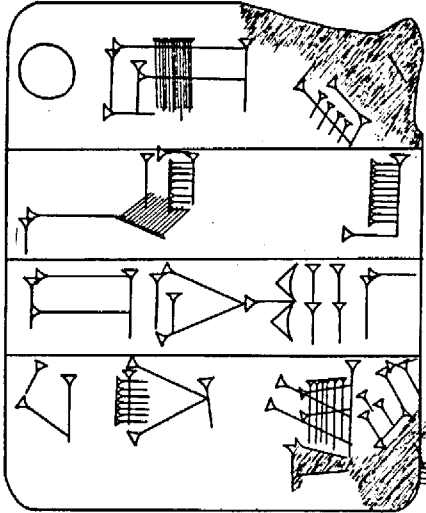
REVERSE





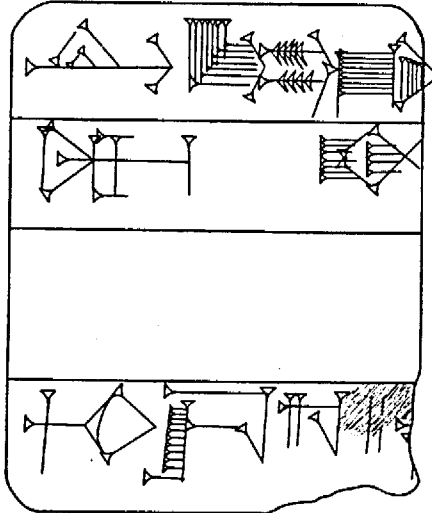


VERSE

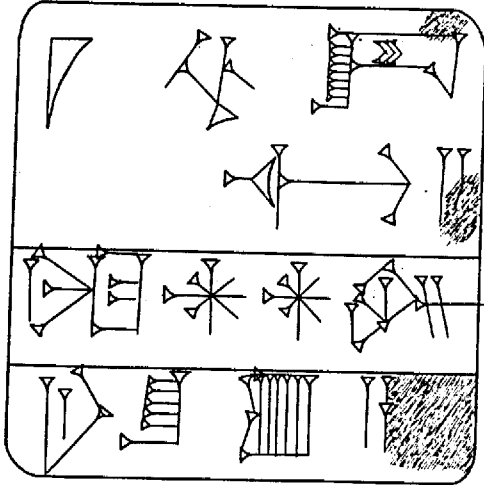


111

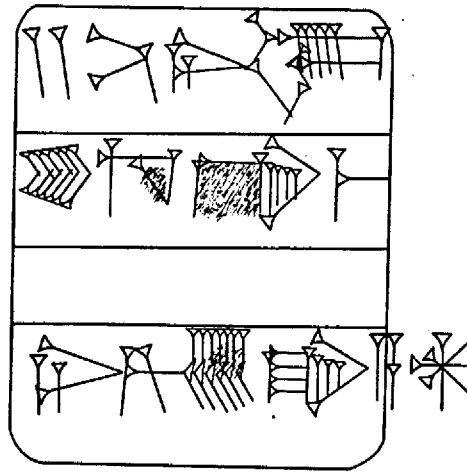
REVERSE



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113

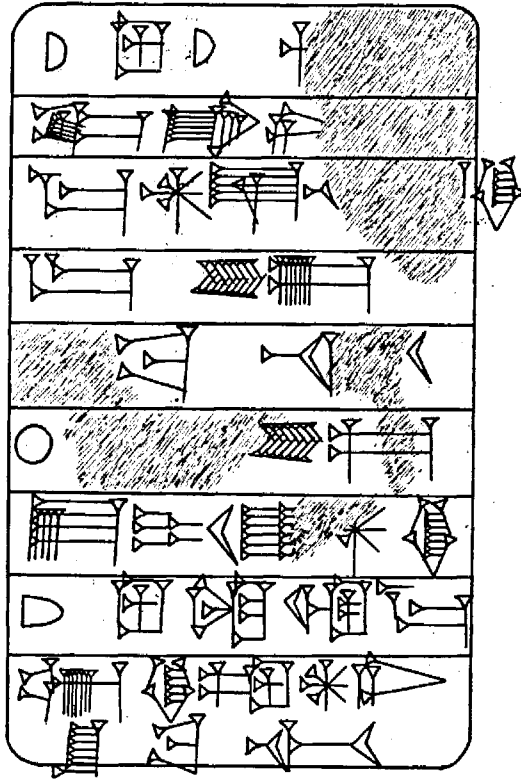
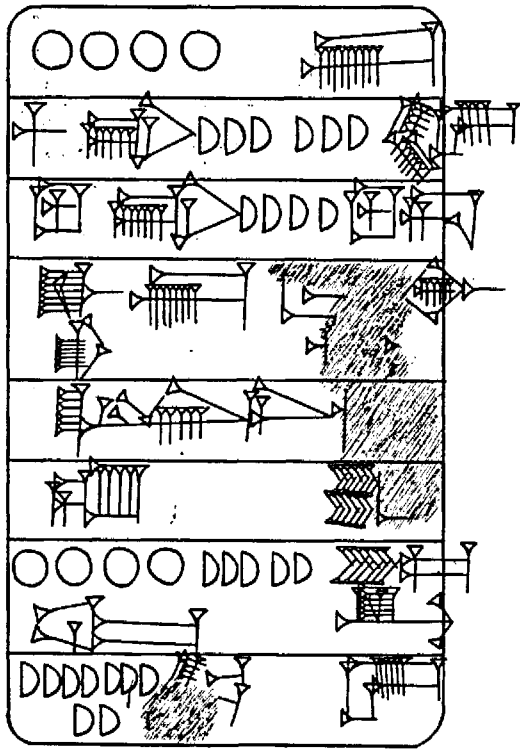




114

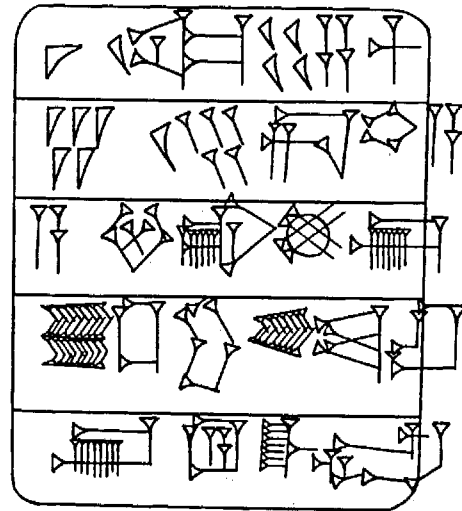
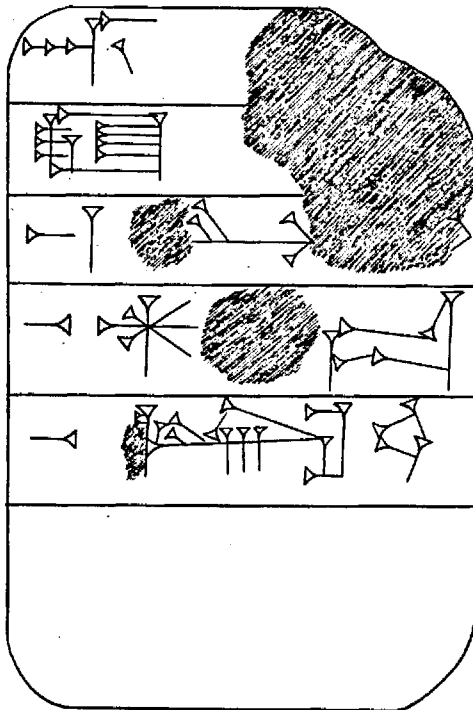
OVERSE

REVERSE



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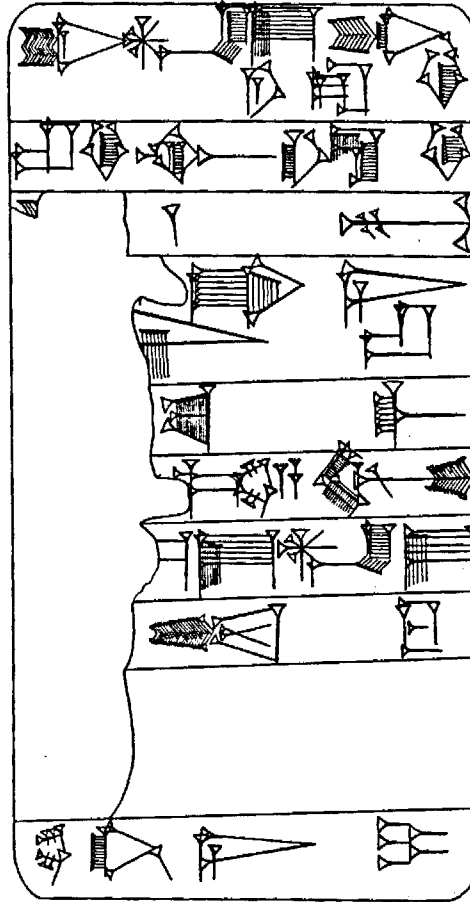
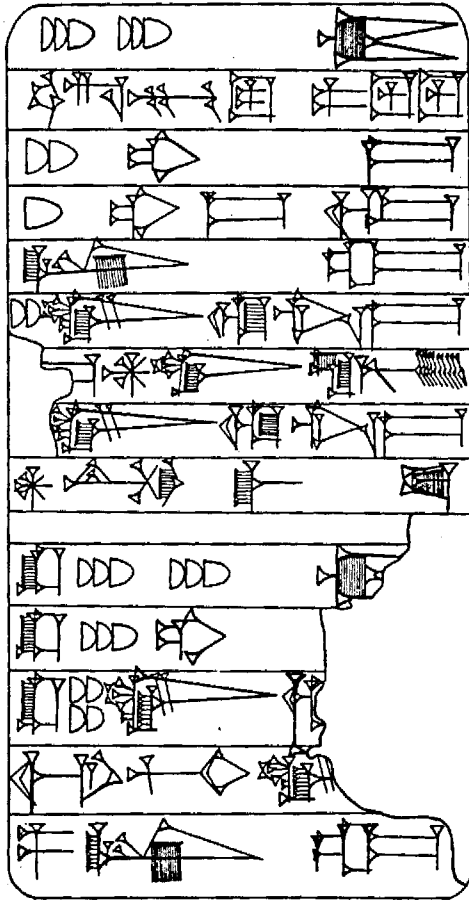




OBVERSE

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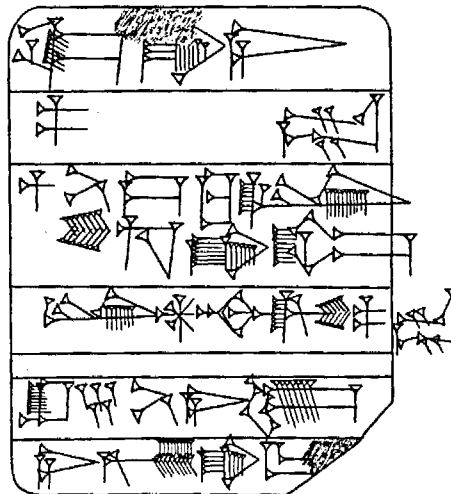
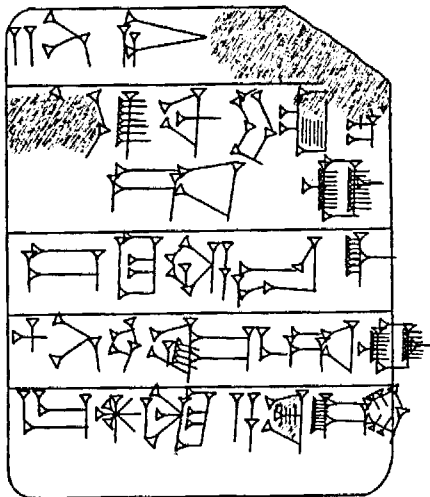
REVERSE



OBVERSE

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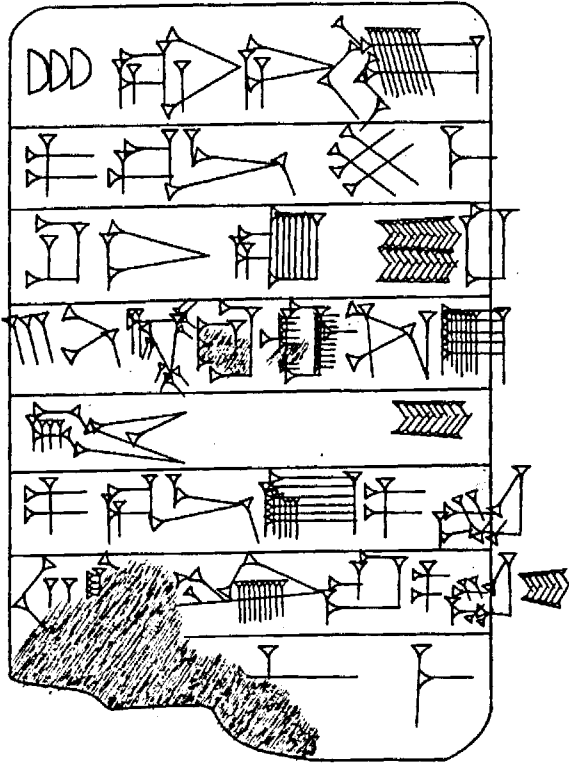
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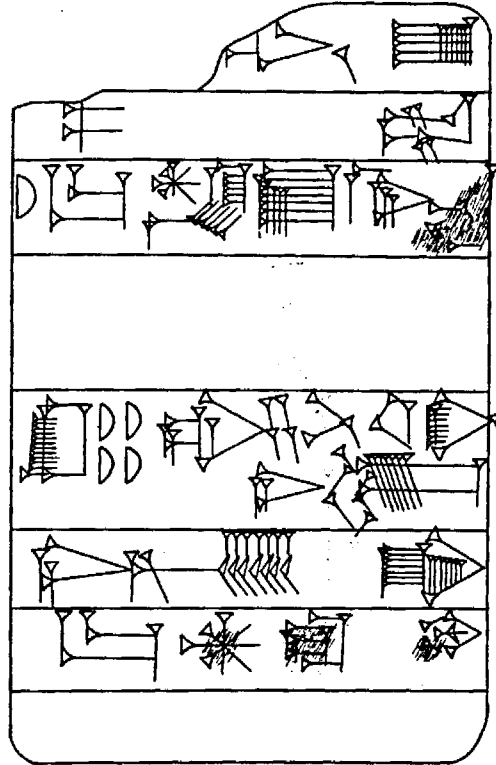


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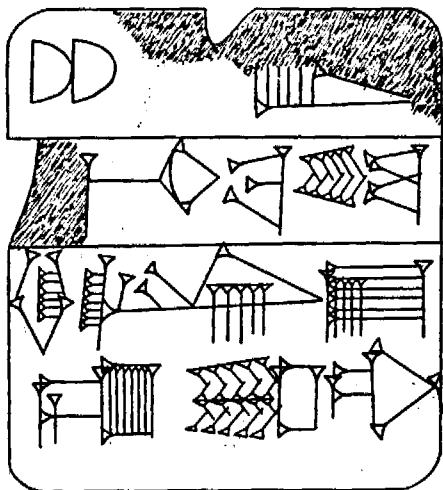


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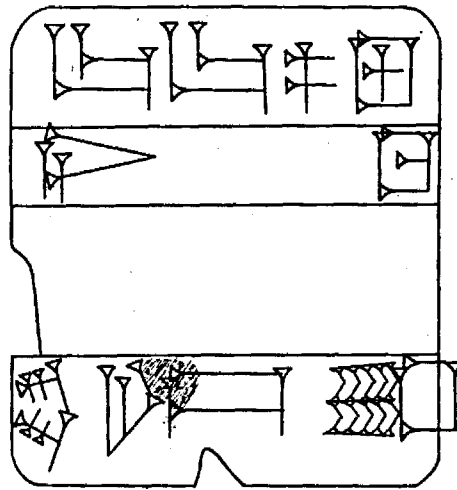


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OBVERSE



REVERSE



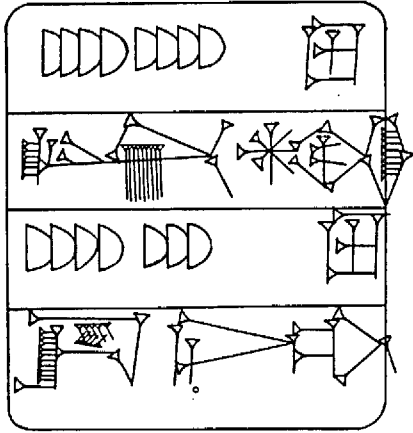






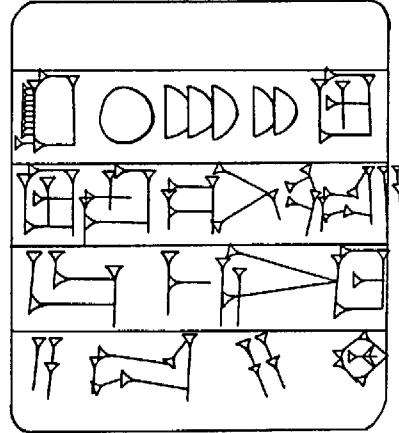


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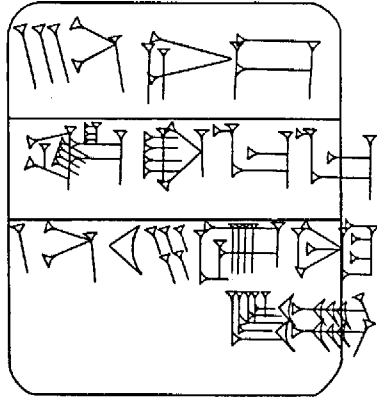


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REVERSE

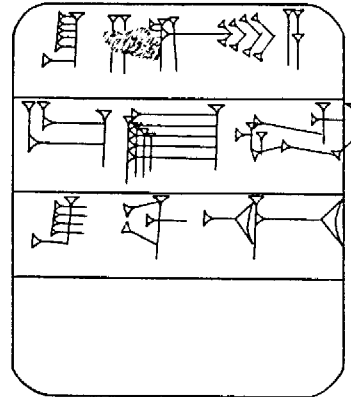


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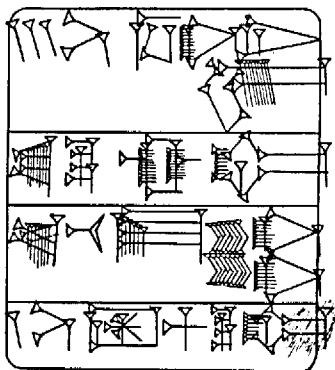


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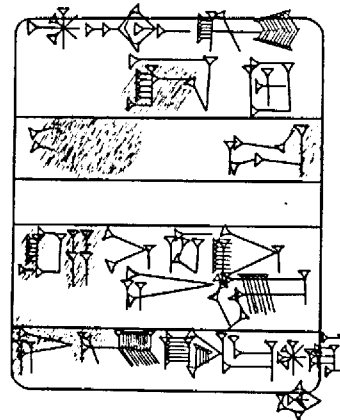


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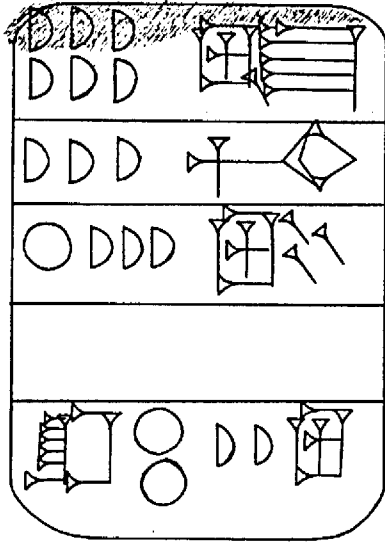
126

REVERSE



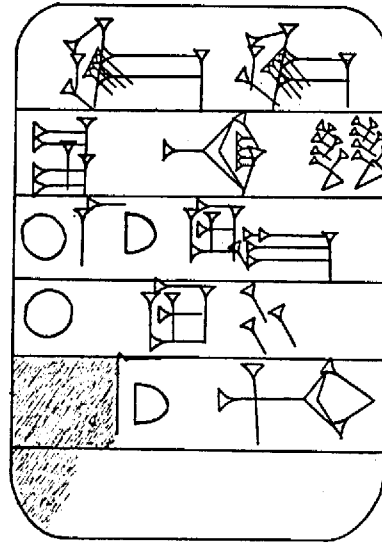


OBVERSE



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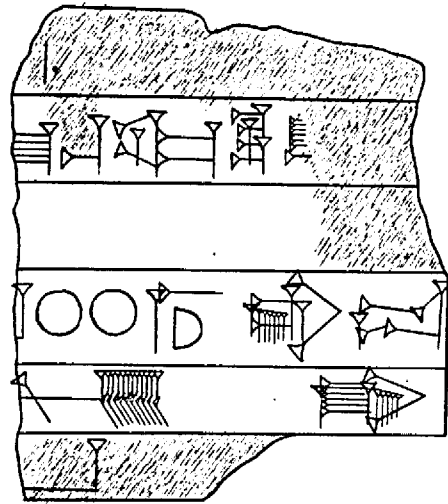
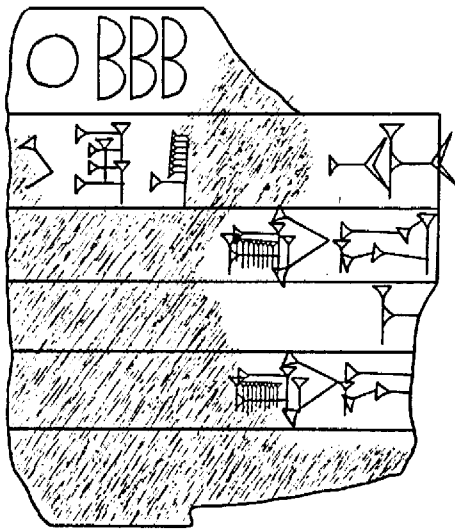
REVERSE



OBVERSE

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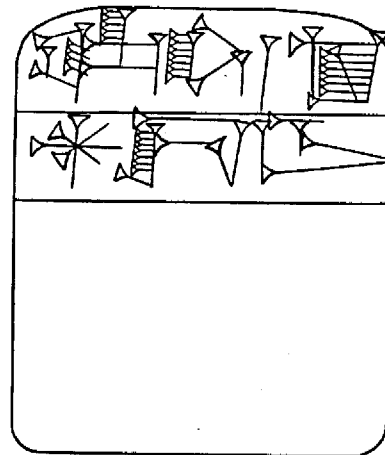
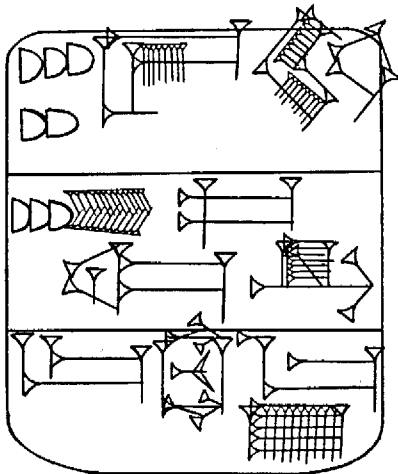
REVERSE



OBVERSE

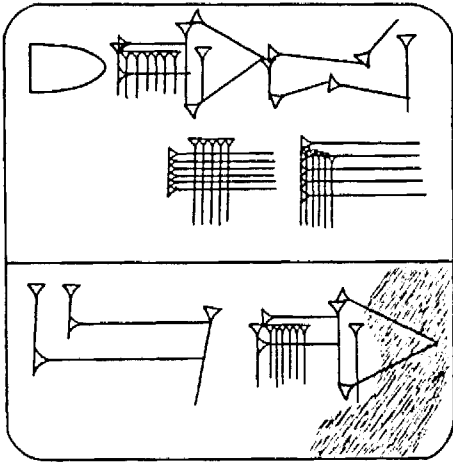
129

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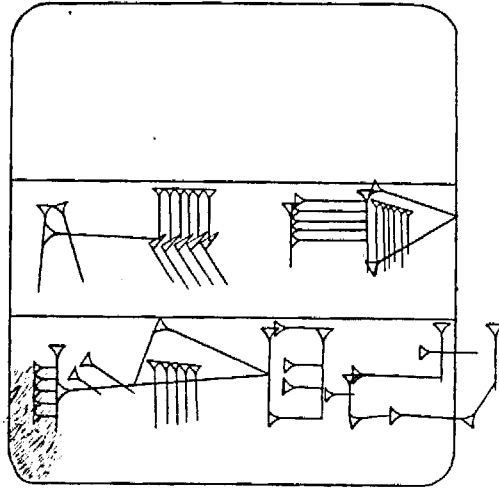


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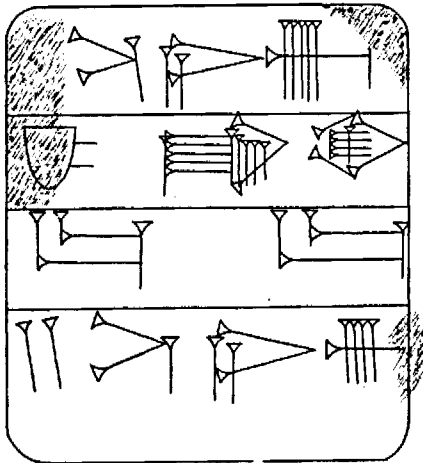


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REVERSE

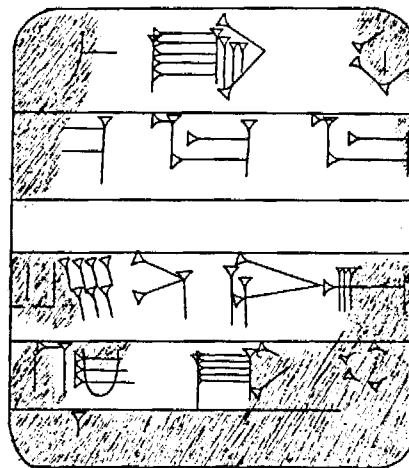


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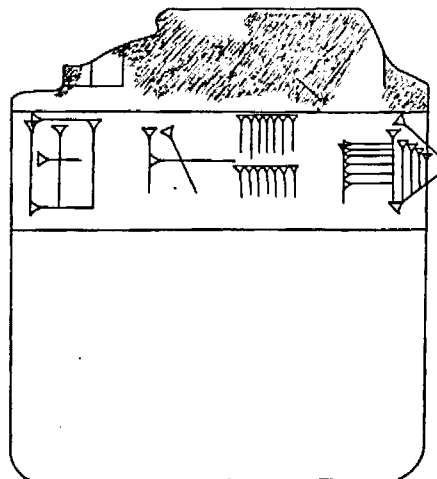
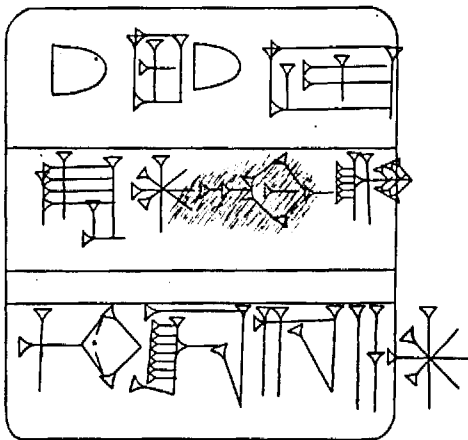
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REVERSE



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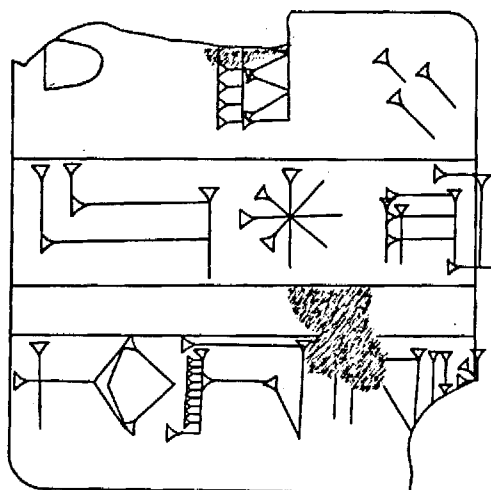
133



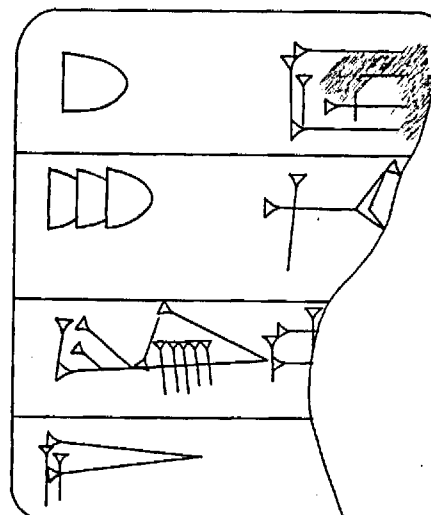




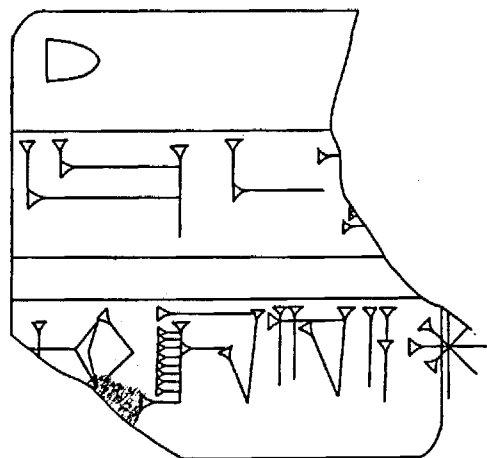
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135

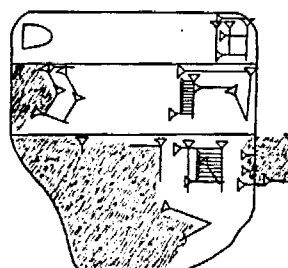


136

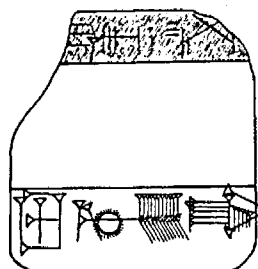


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OBVERSE



REVERSE

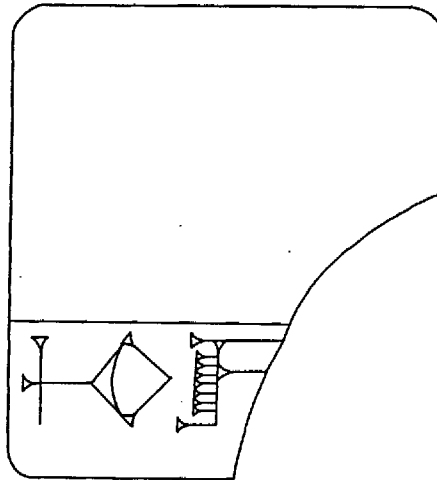
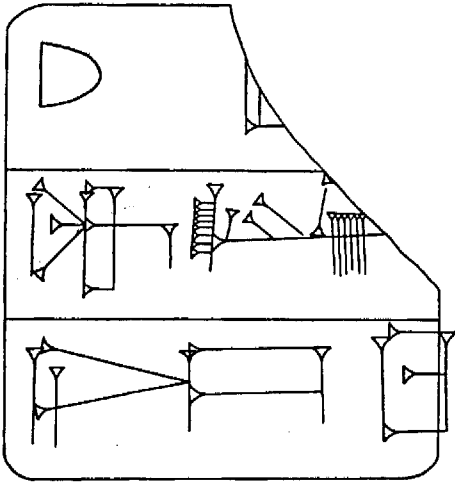




OBVERSE

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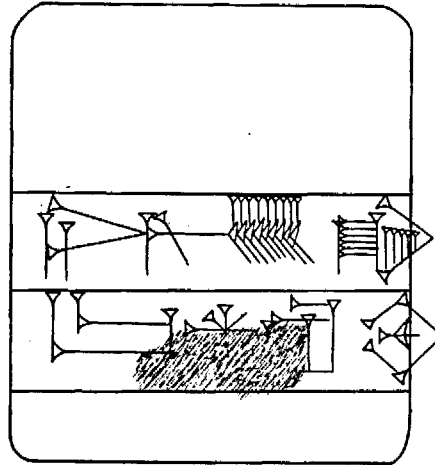
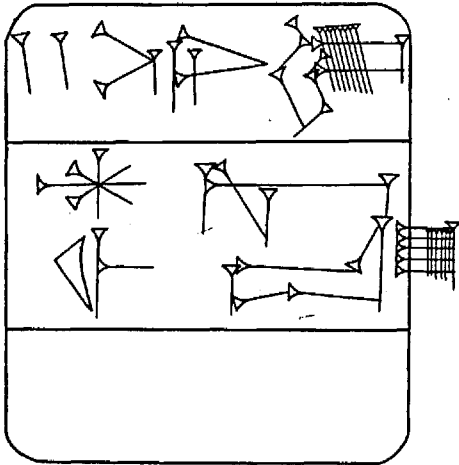
REVERSE



OBVERSE

139

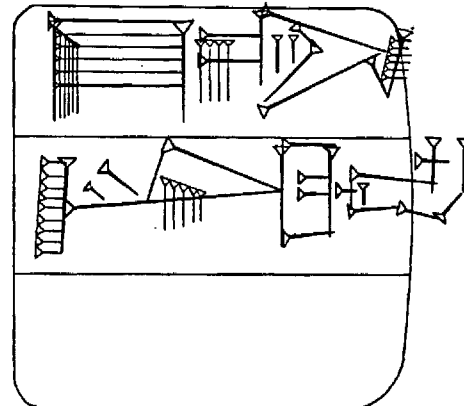
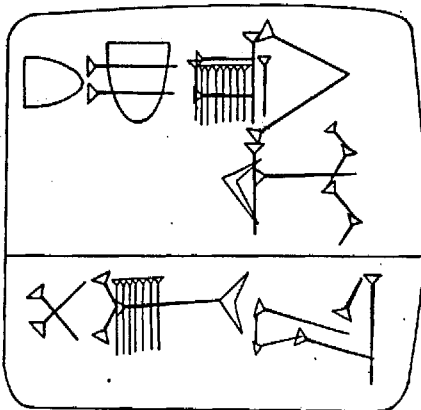
REVERSE



OBVERSE

140

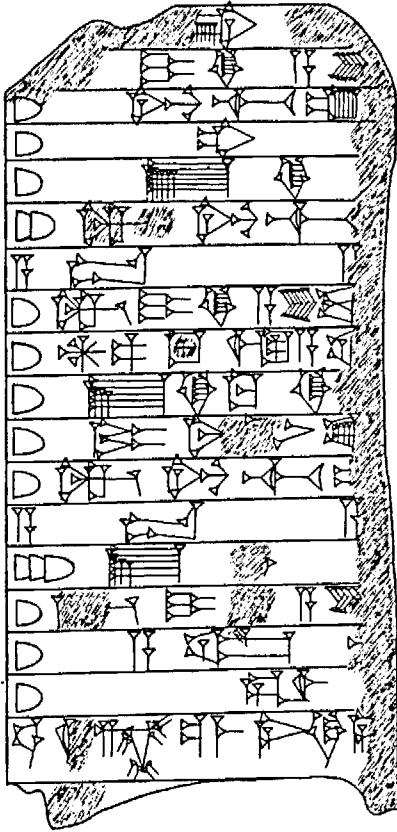
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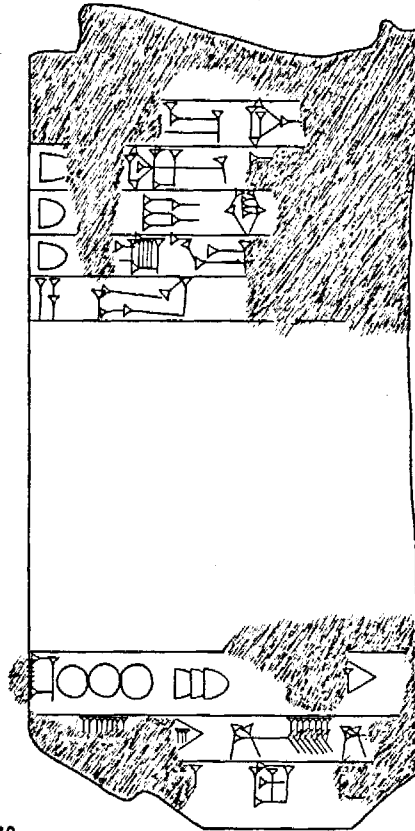


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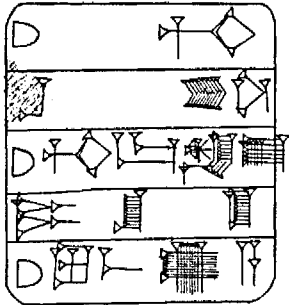


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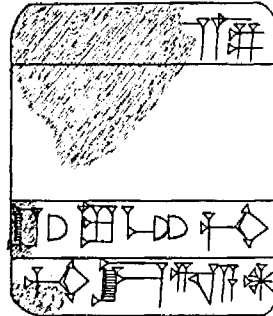


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OBVERSE

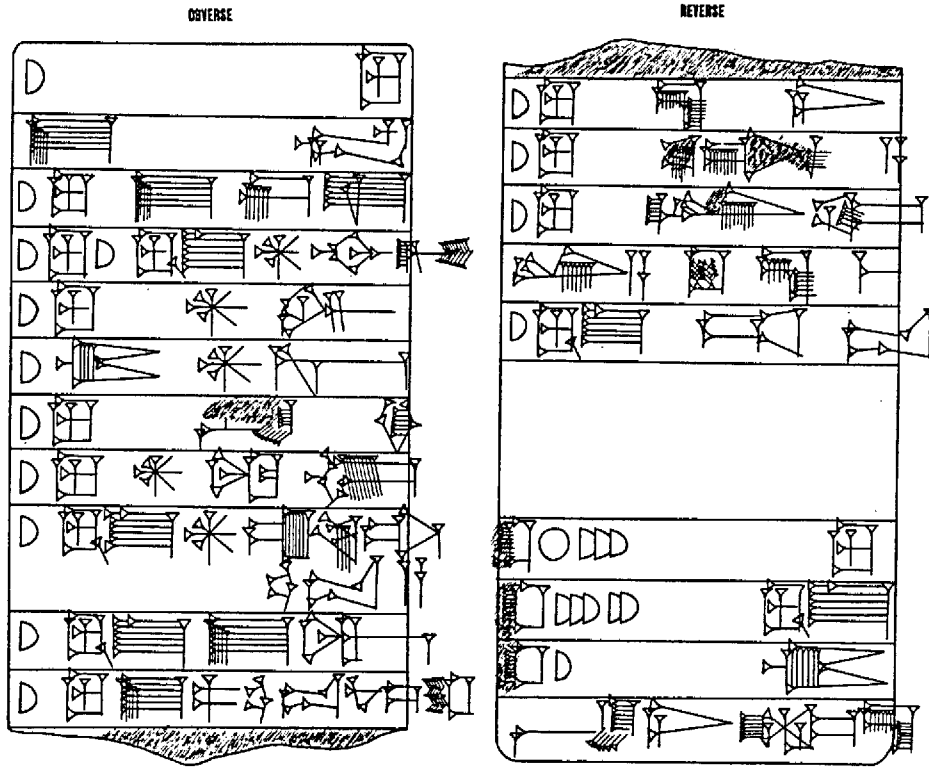


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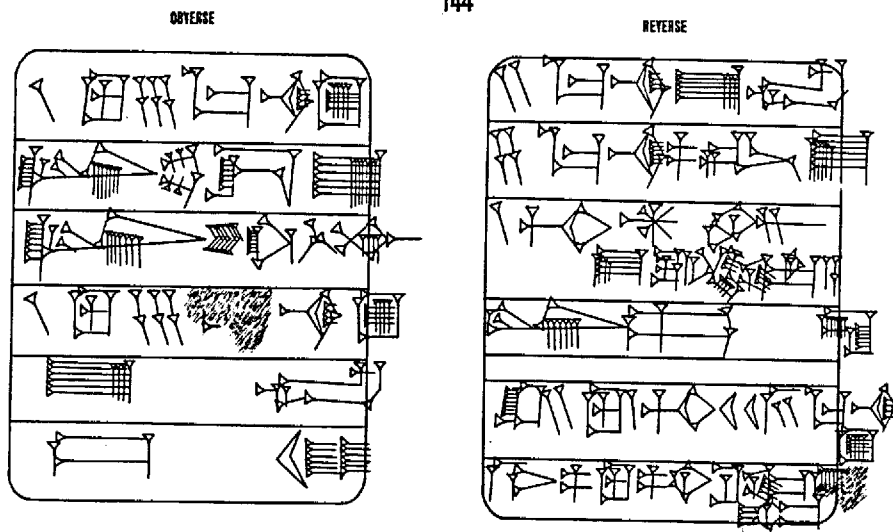




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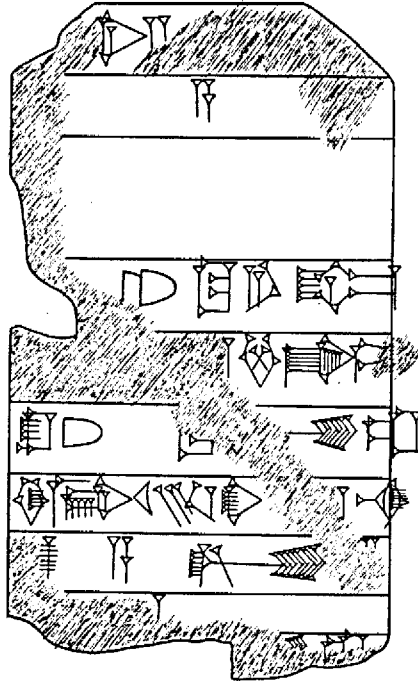
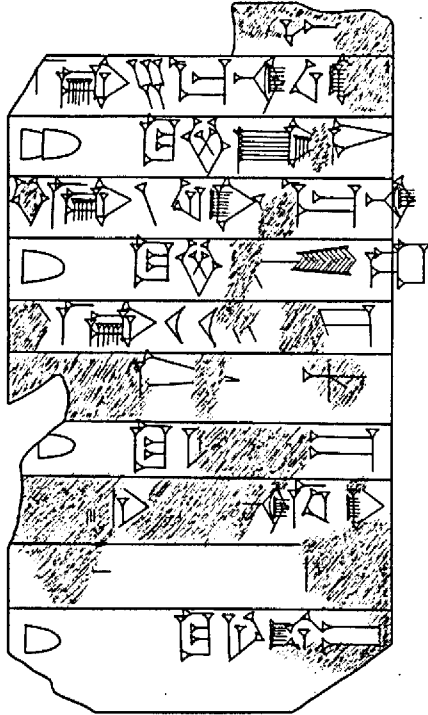




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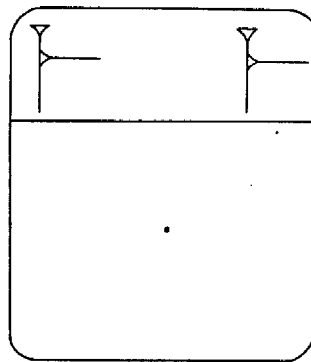
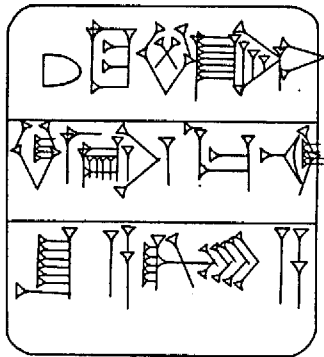
REVERSE



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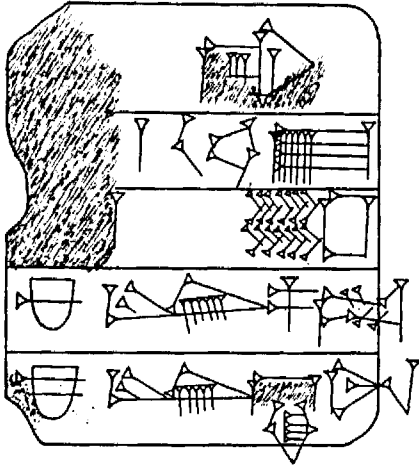
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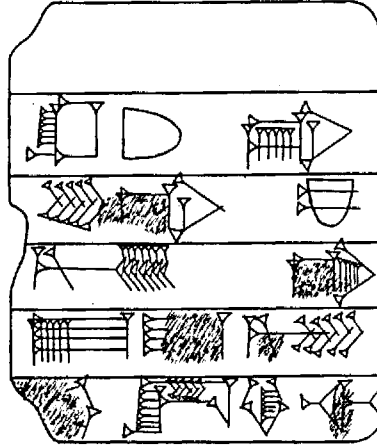


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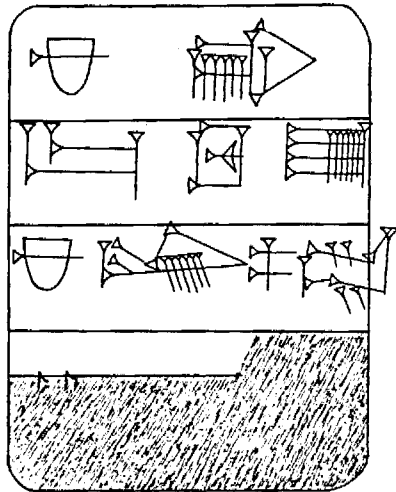


REVERSE

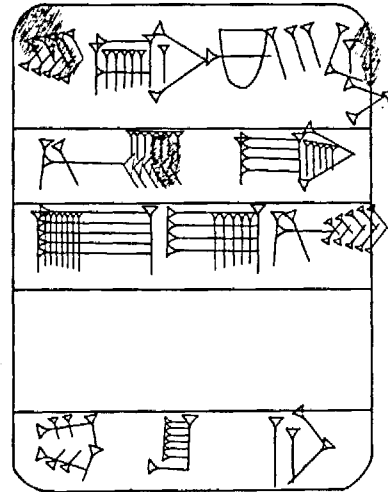


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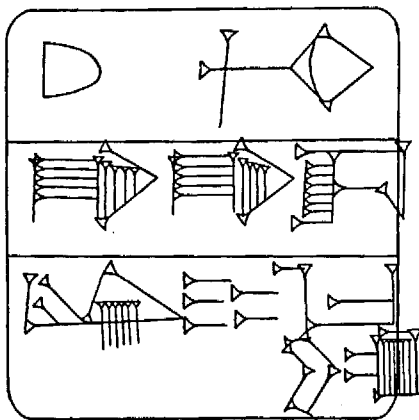


REVERSE

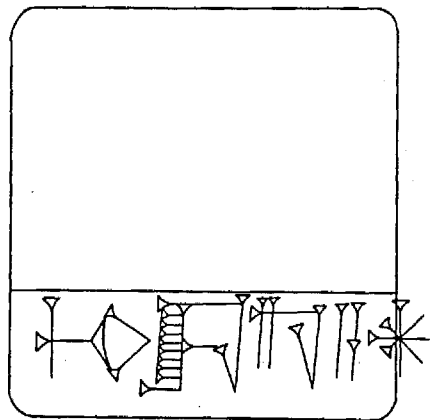


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OBVERSE



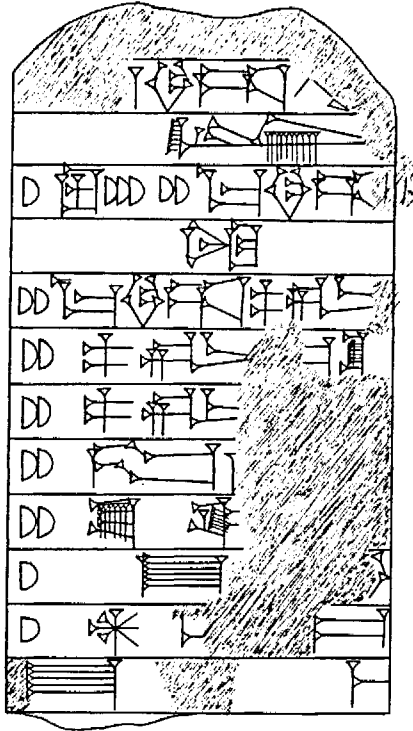
REVERSE



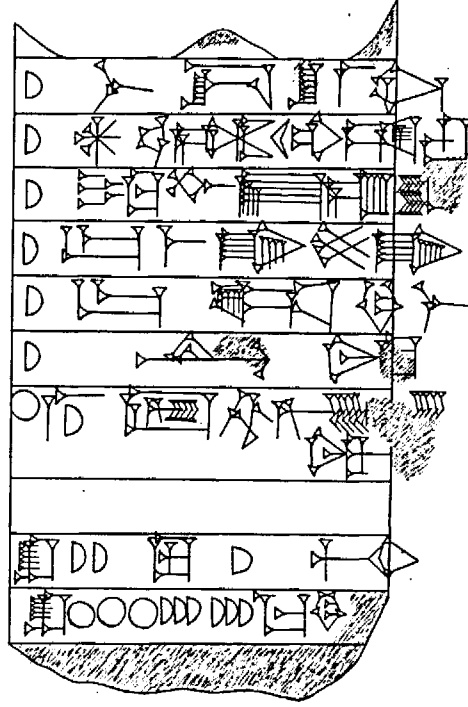


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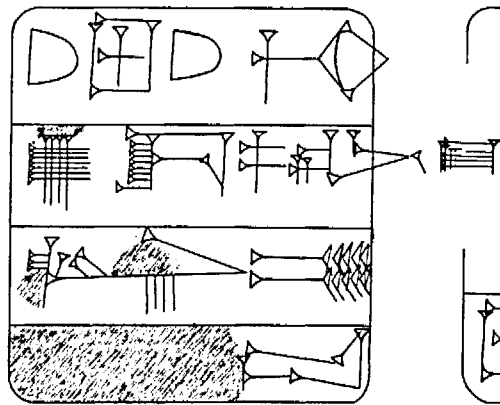


REVERSE

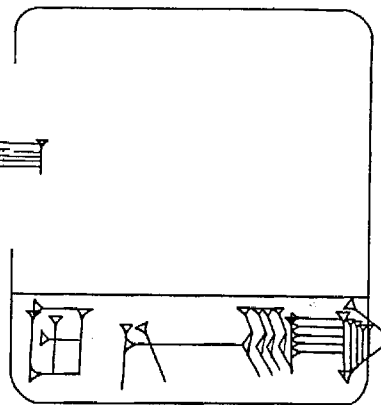


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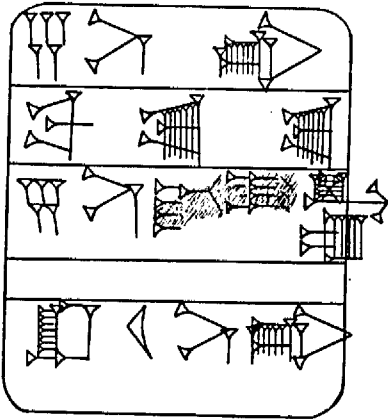
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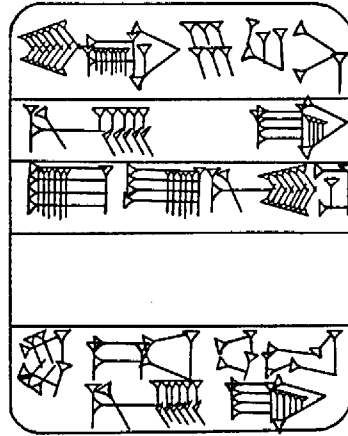


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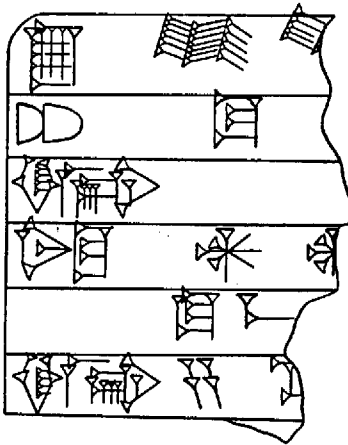


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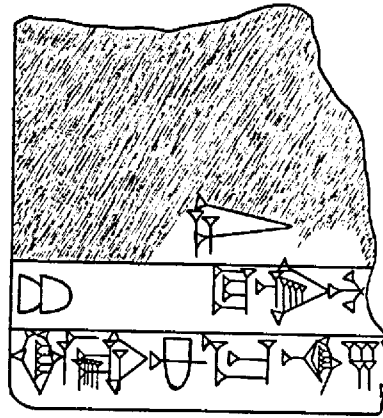


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OBVERSE

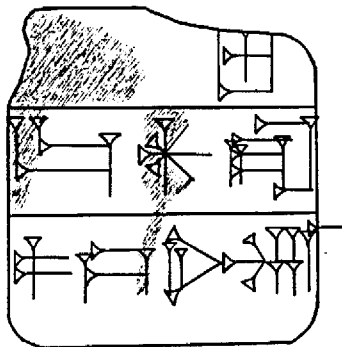


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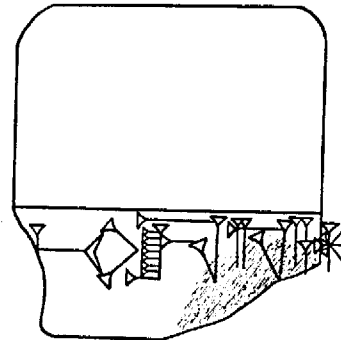


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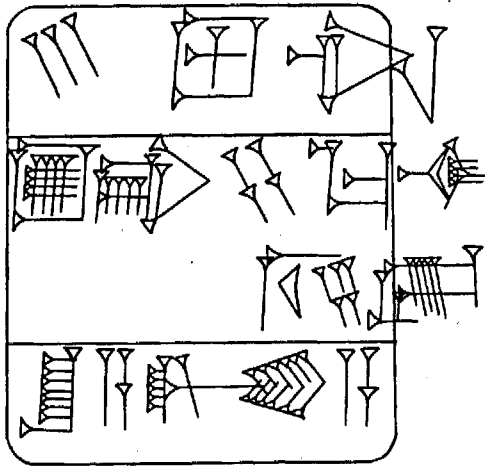
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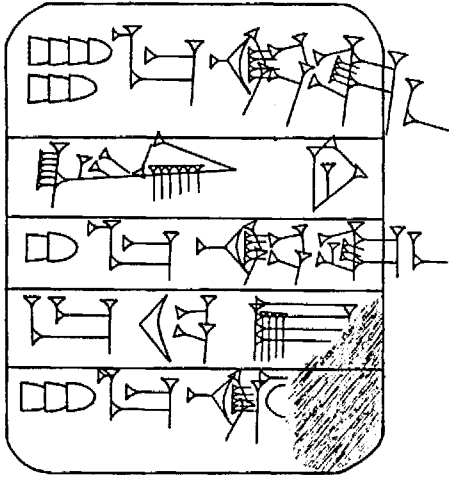




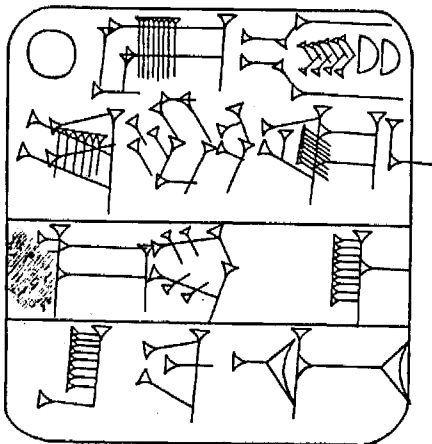
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OBVERSE

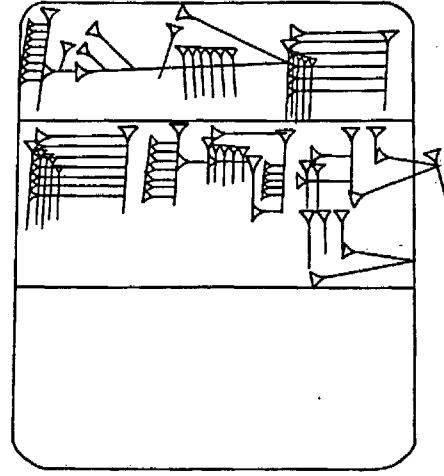


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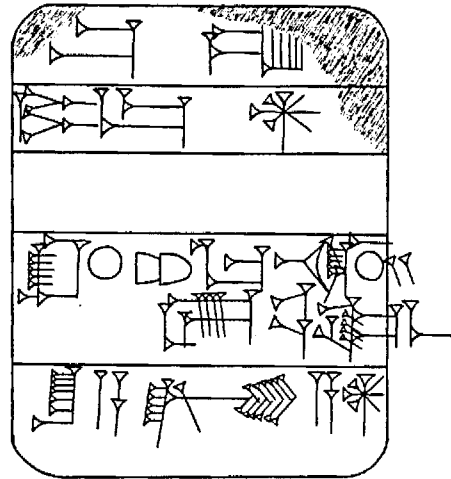
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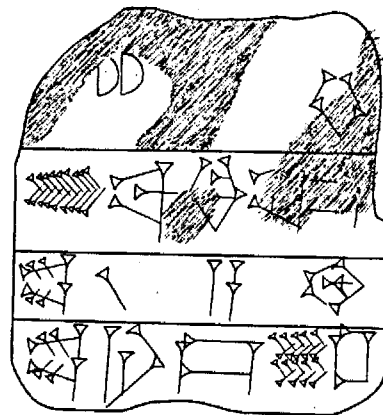


156

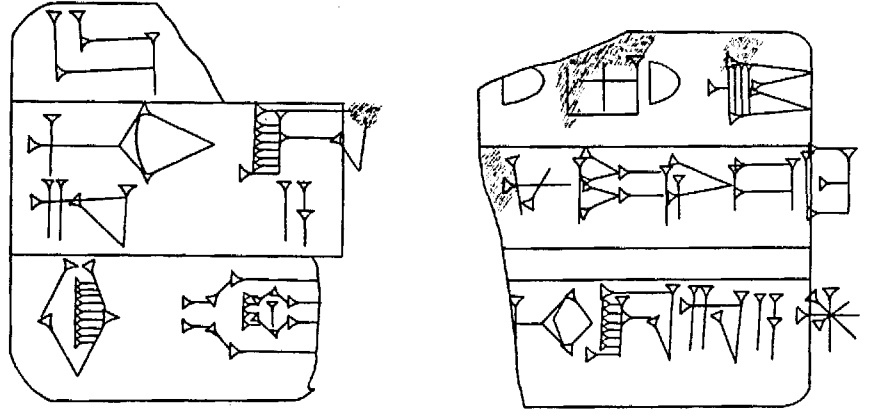
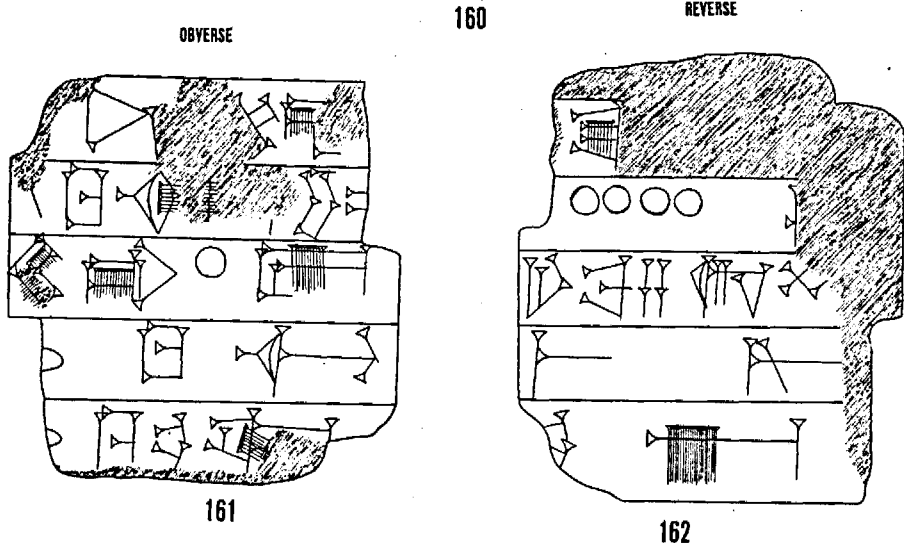
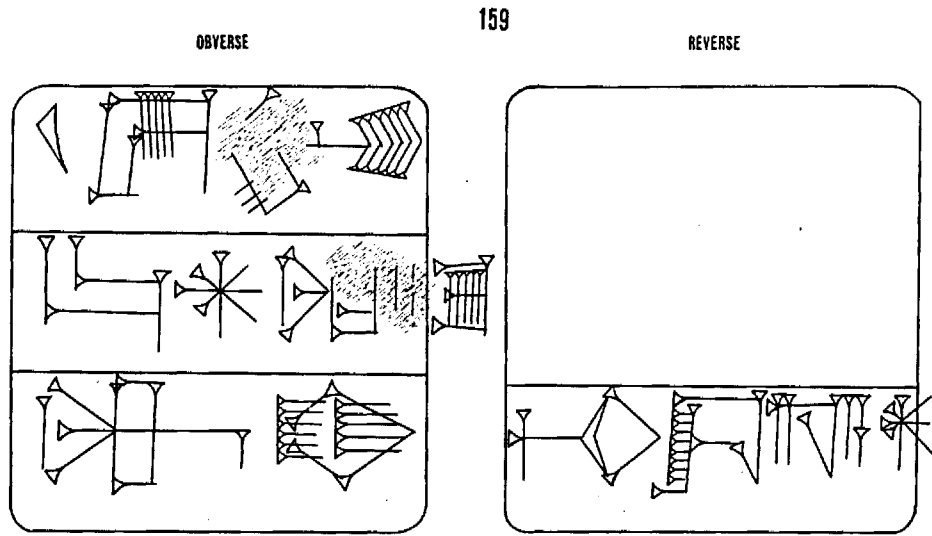
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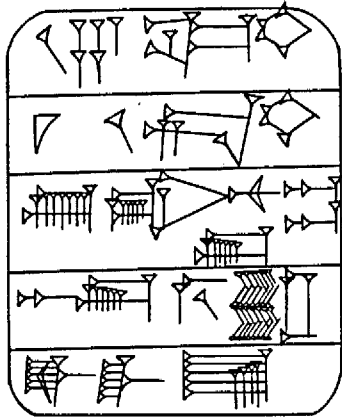




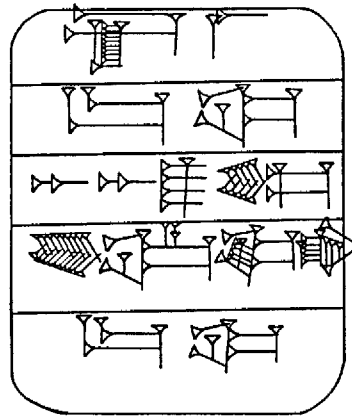


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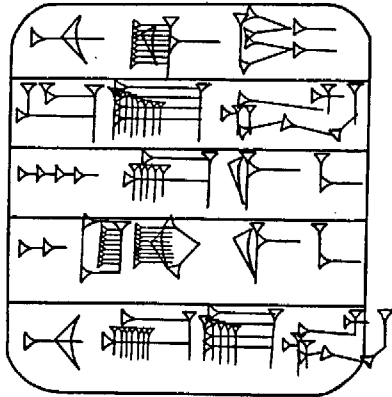


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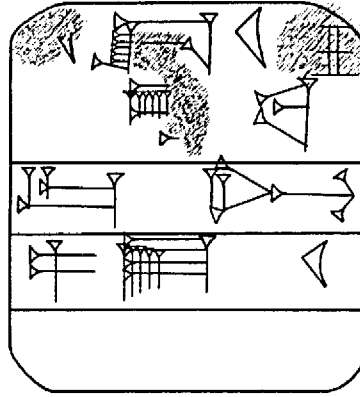


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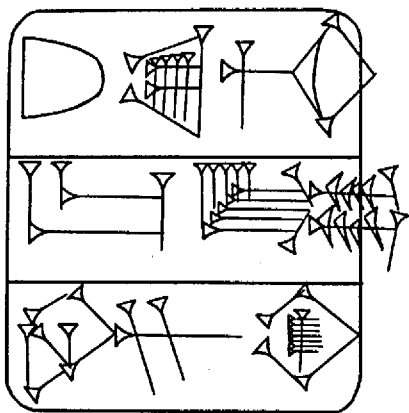


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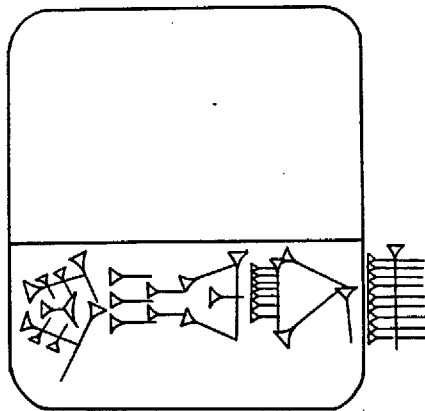


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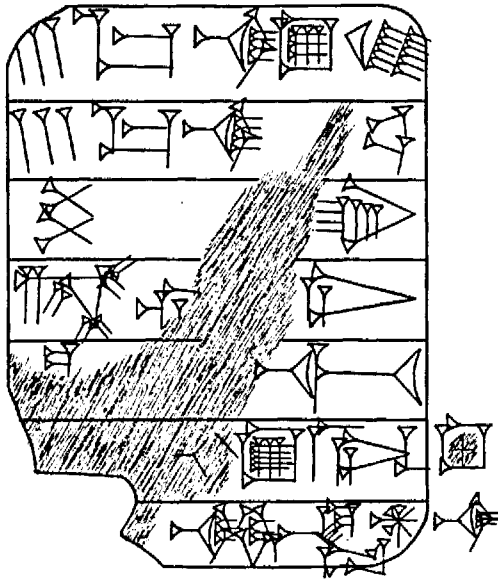
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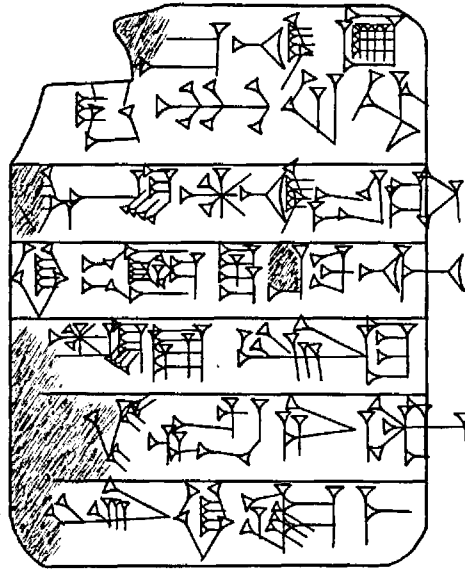


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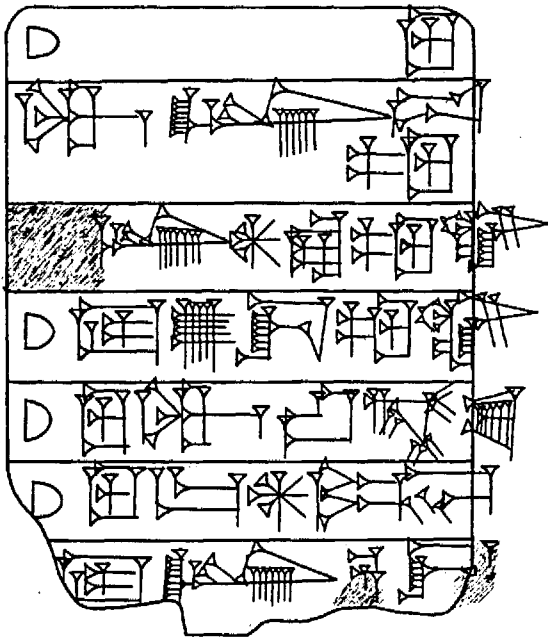


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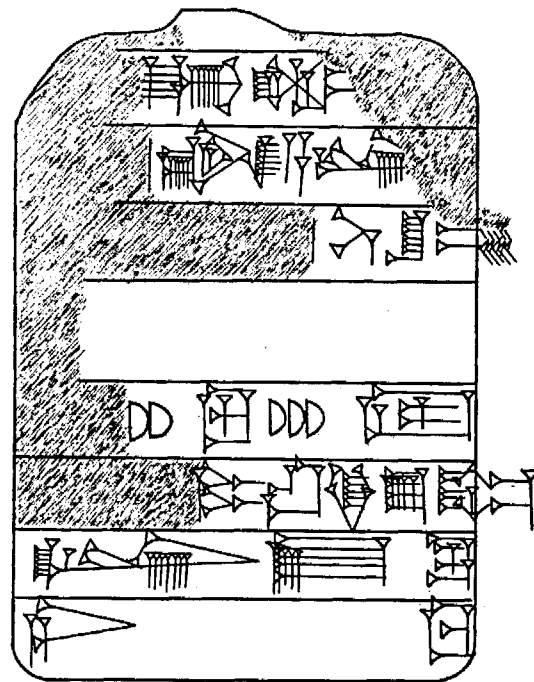


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REVERSE

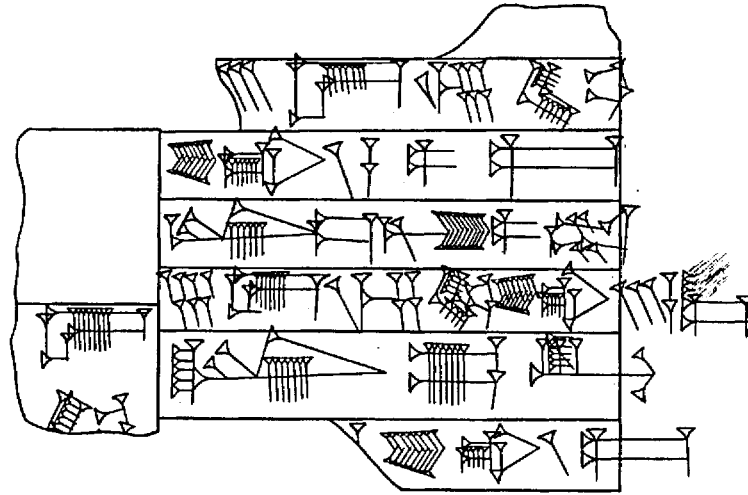




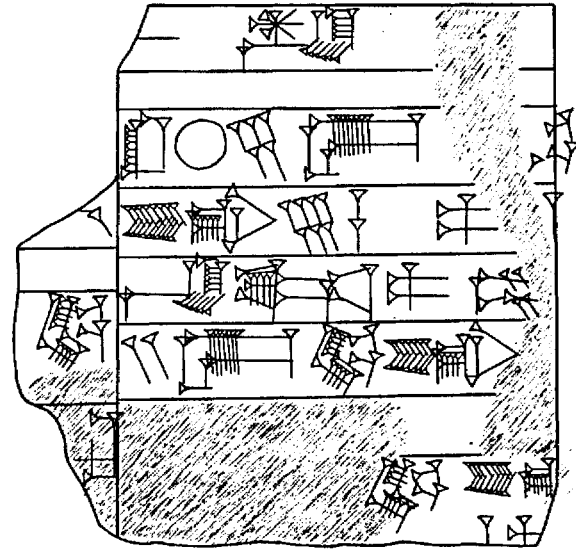


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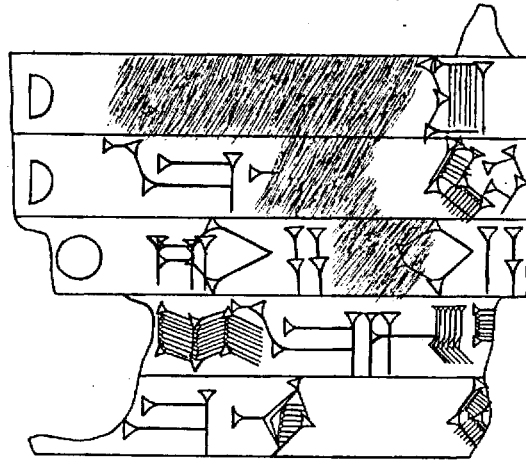


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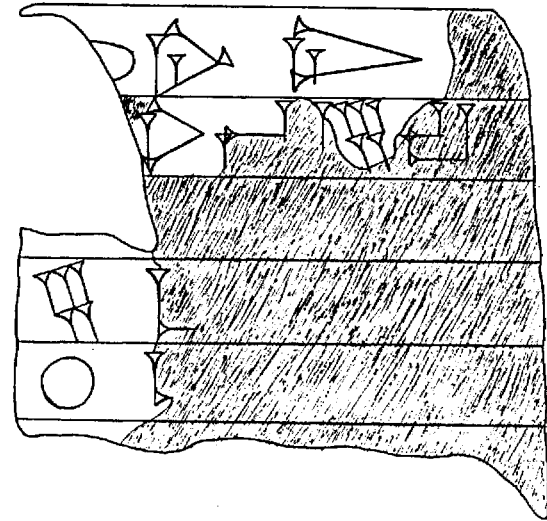


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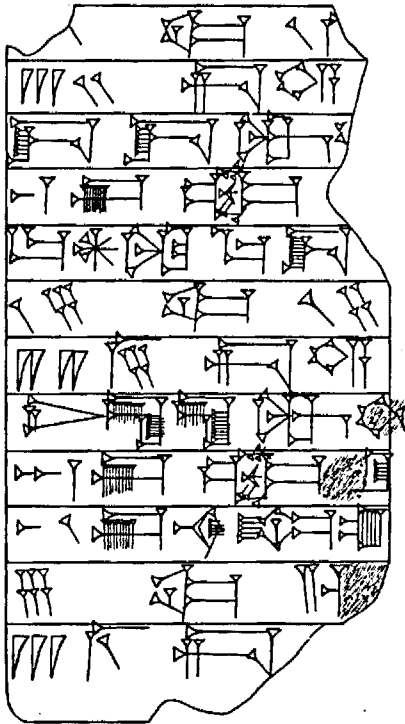
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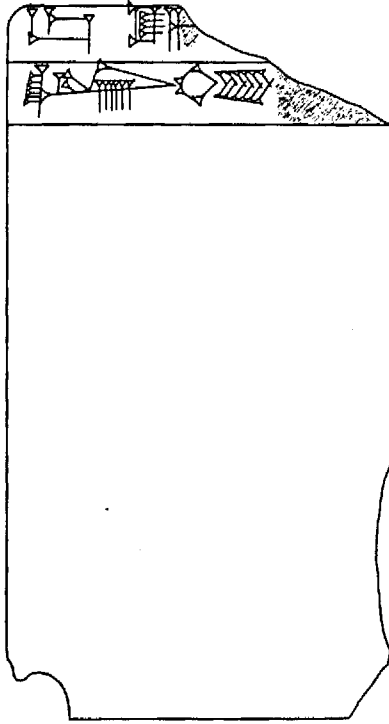


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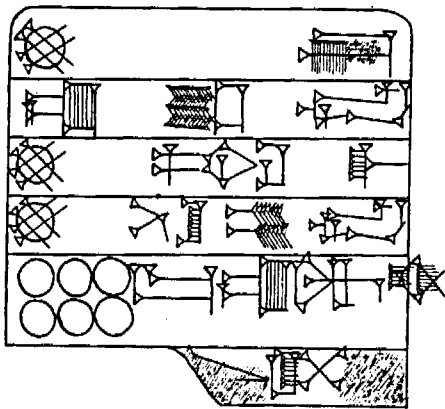


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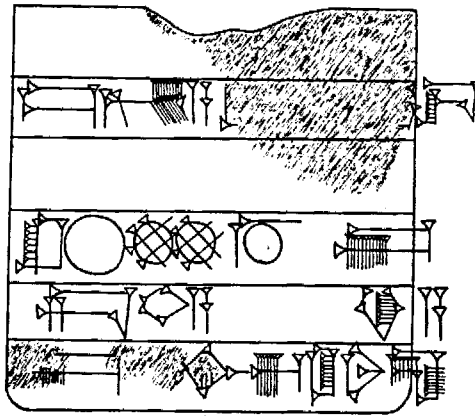


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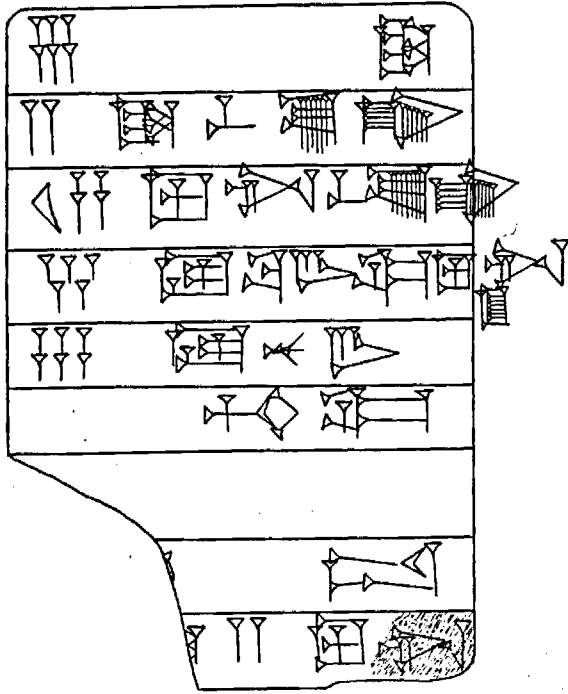
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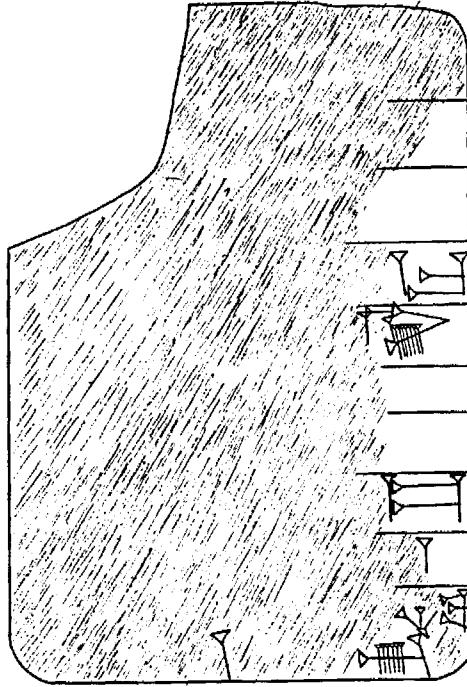


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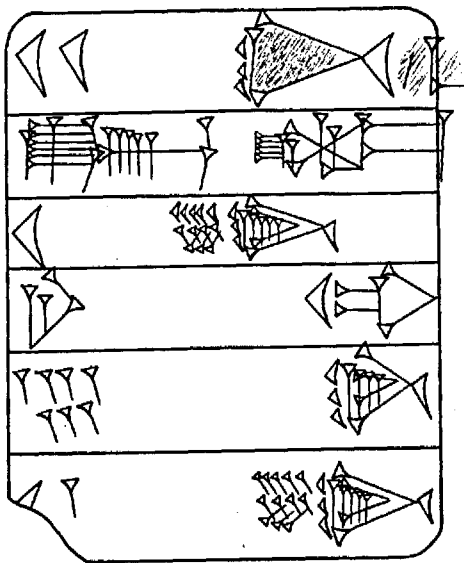


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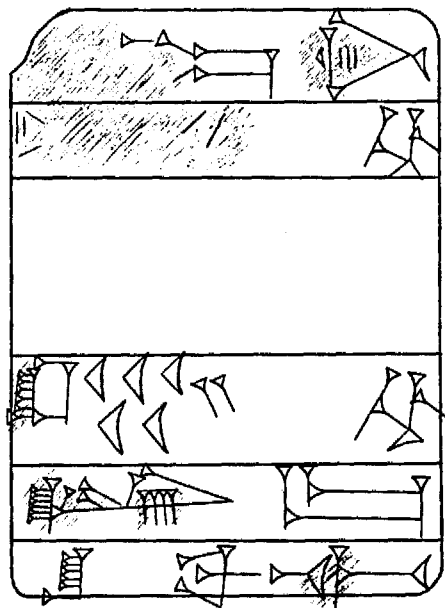


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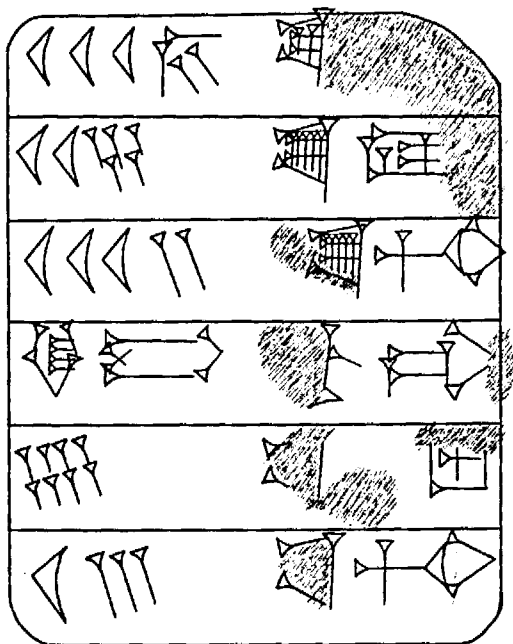
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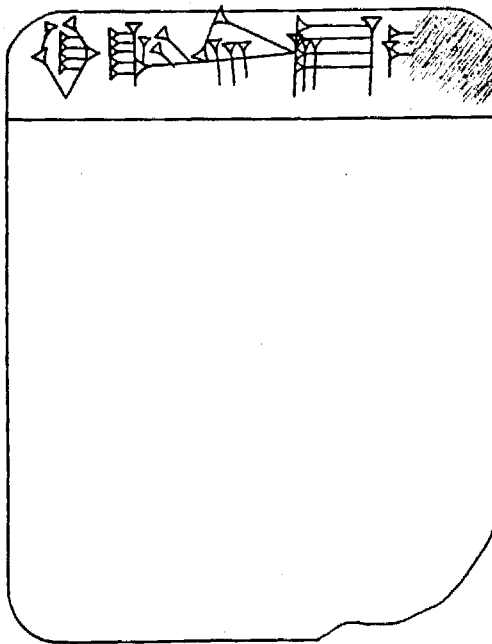


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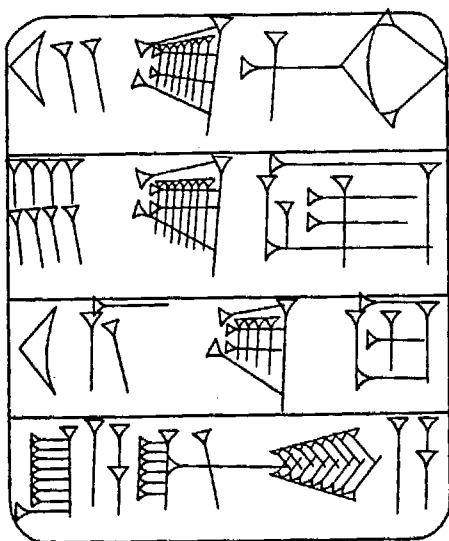


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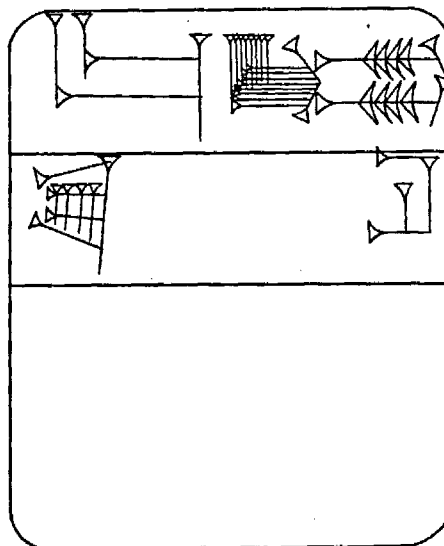


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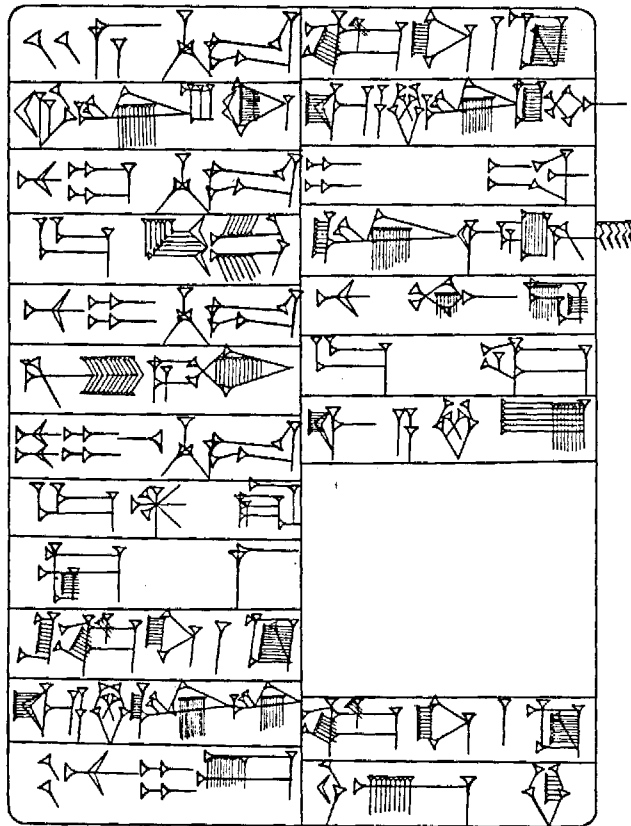
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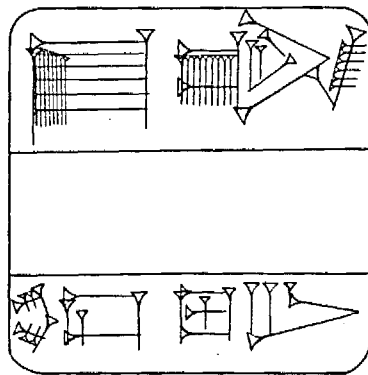
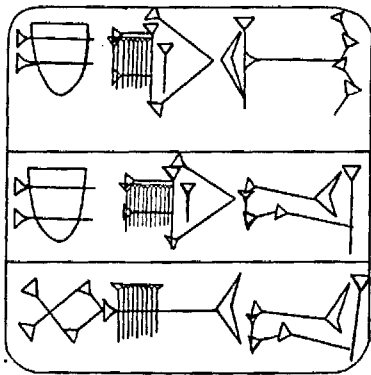
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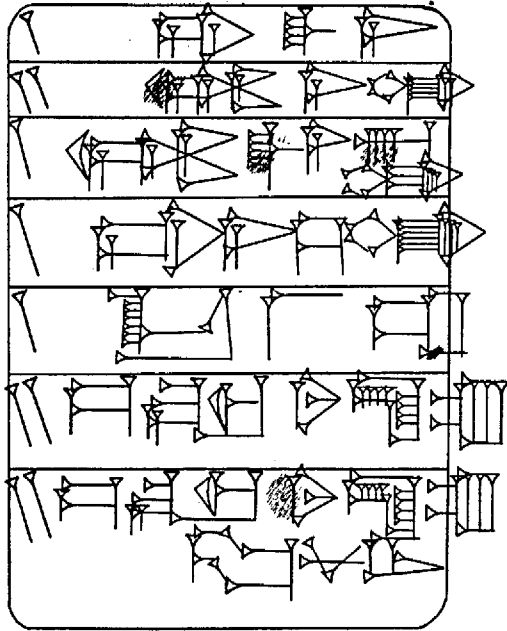
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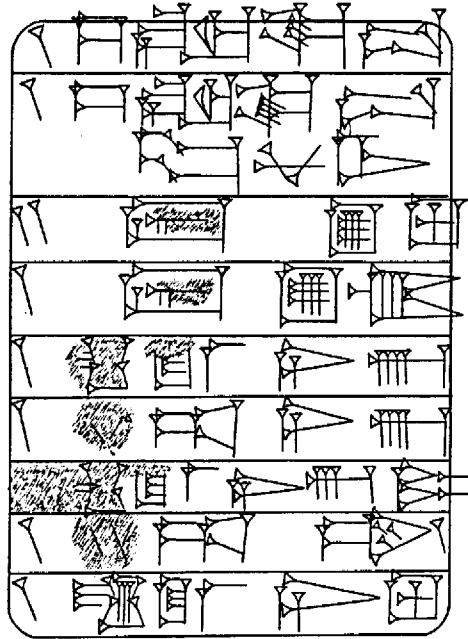


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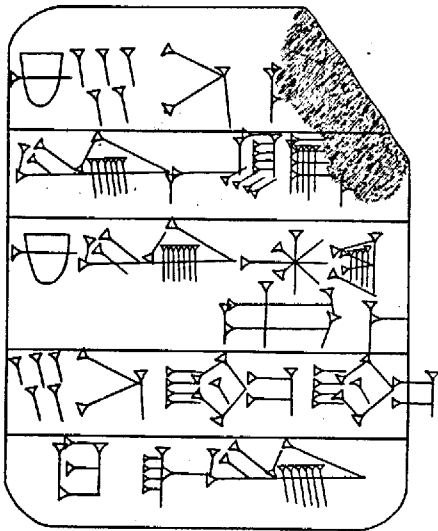


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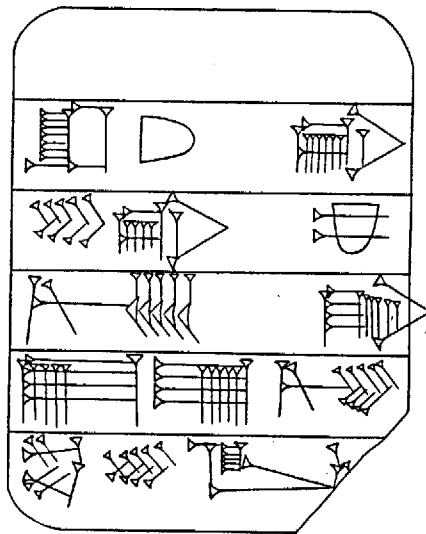


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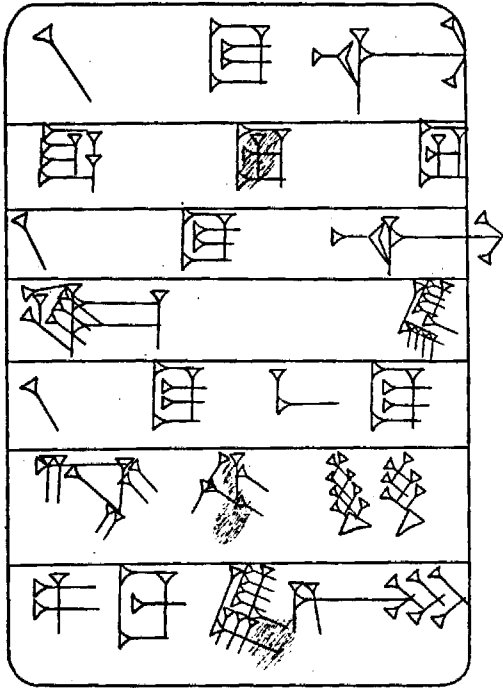
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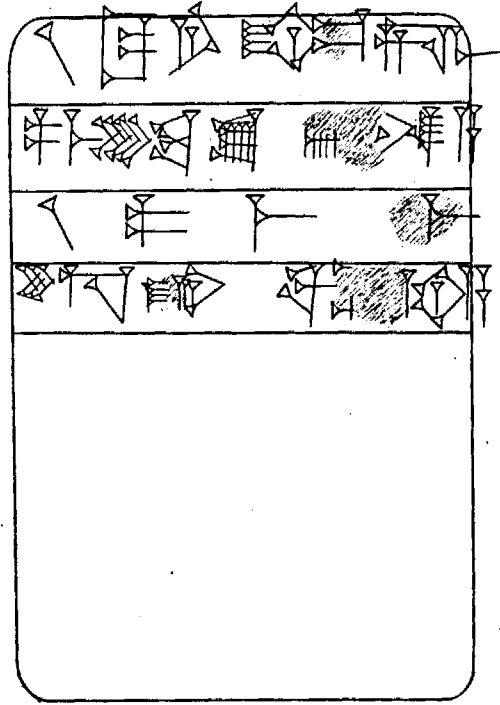


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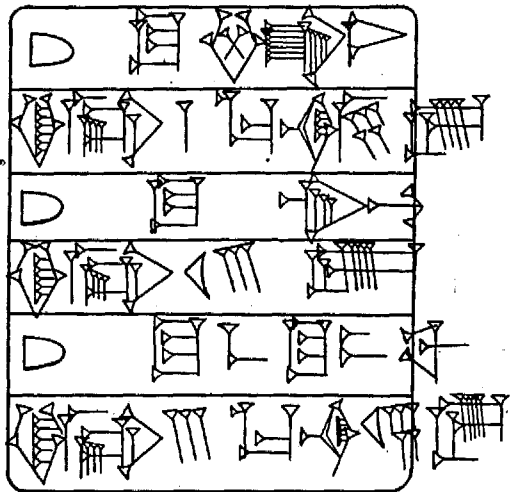


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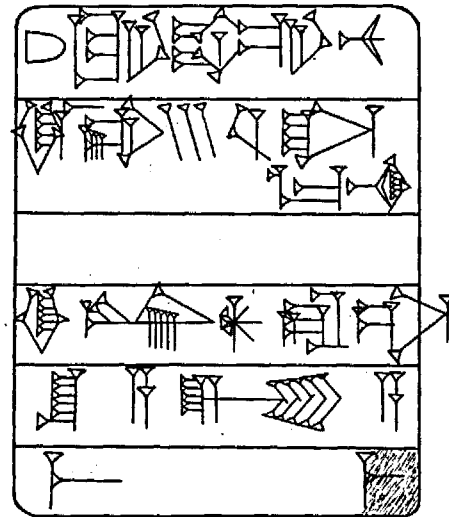


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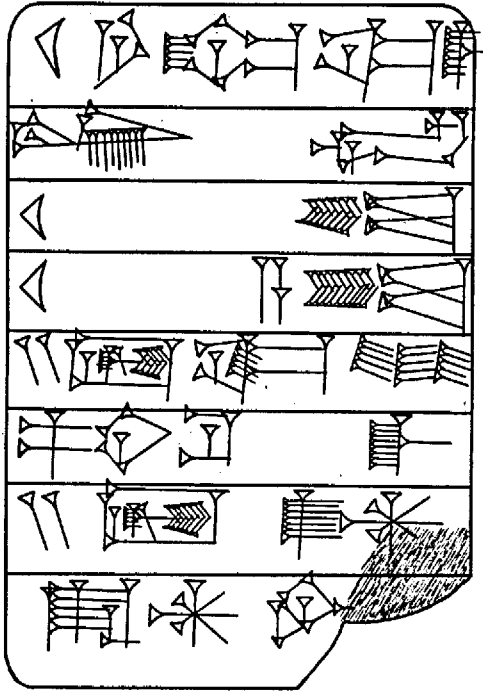
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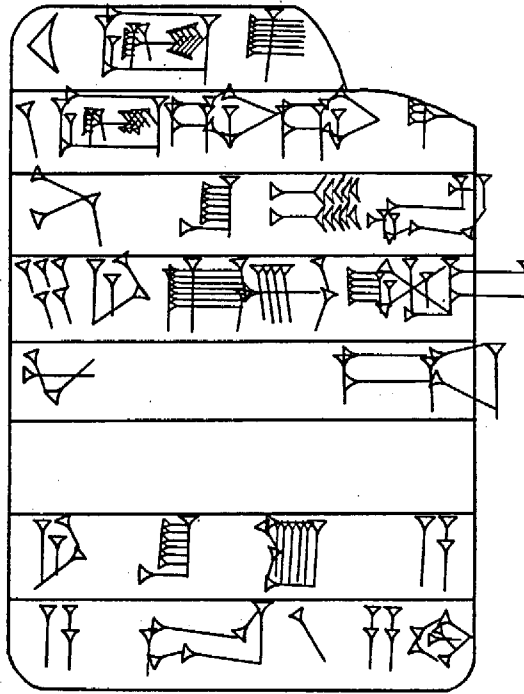


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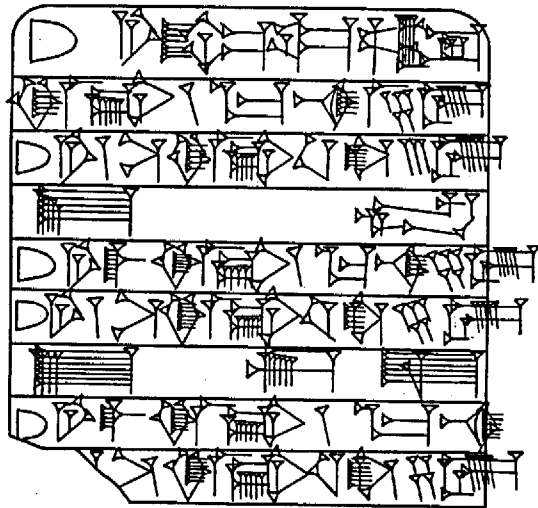


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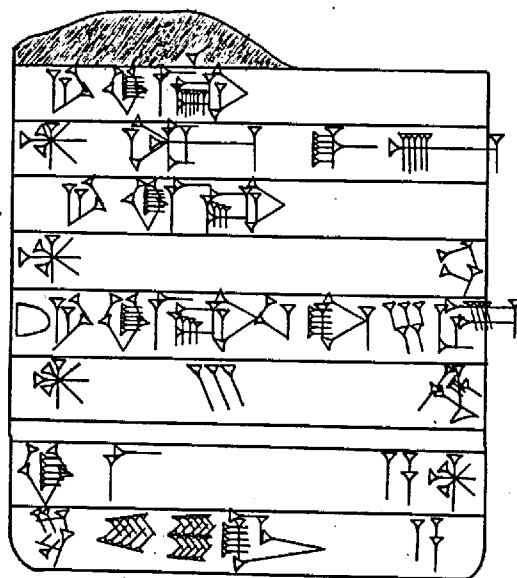


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OBVERSE



REVERSE

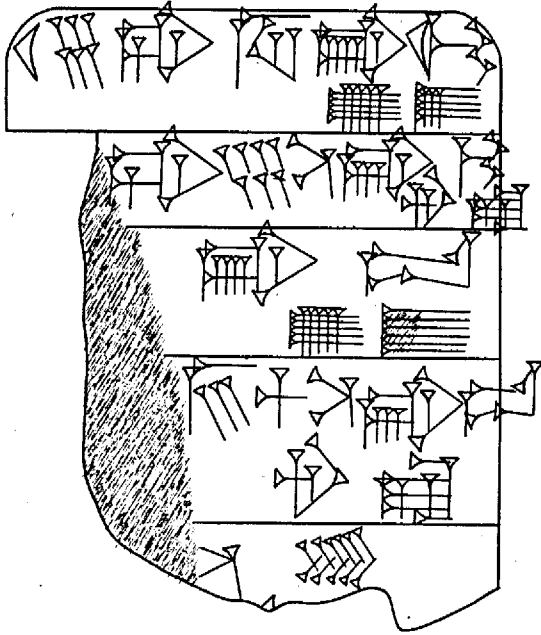




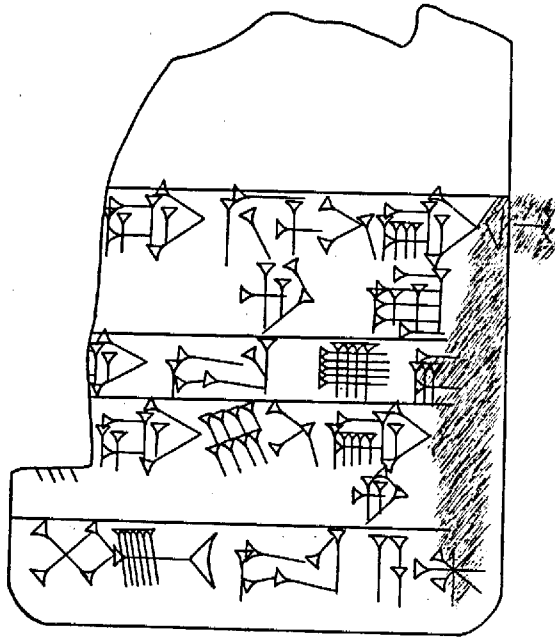


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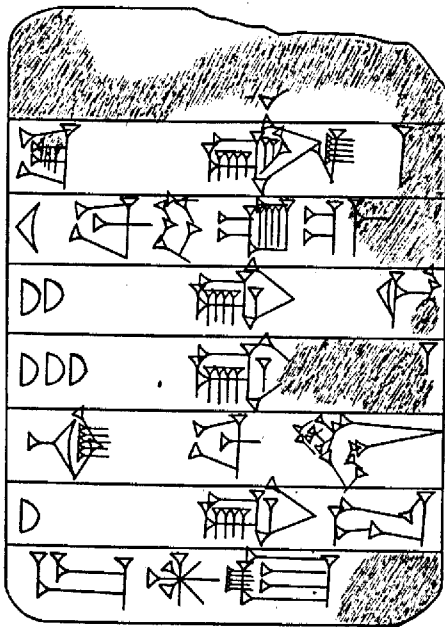


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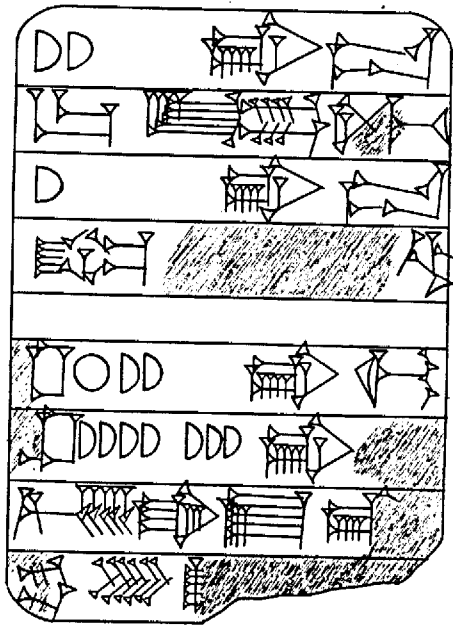


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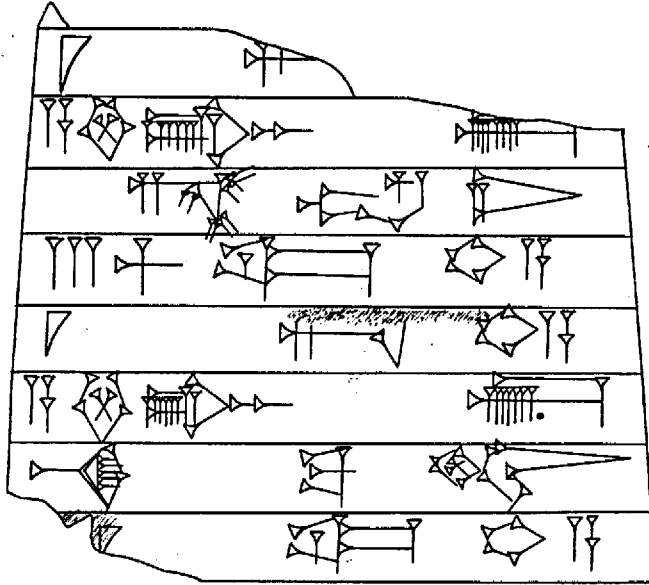
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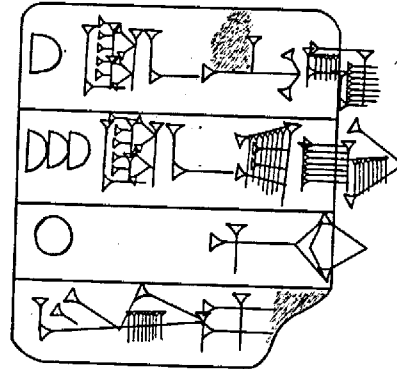
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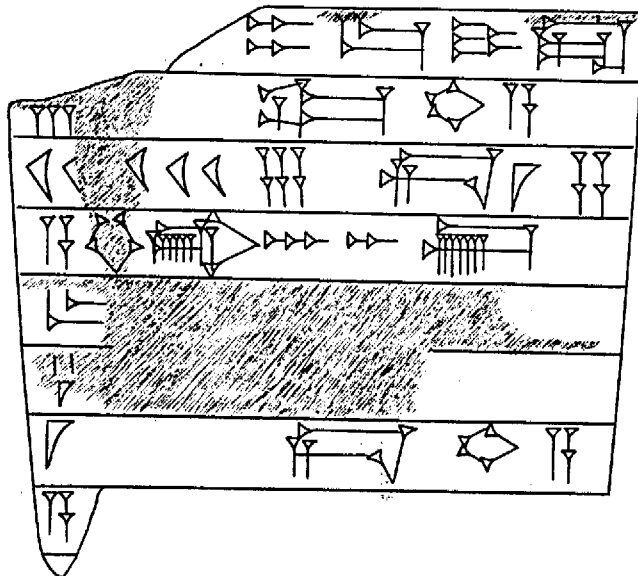


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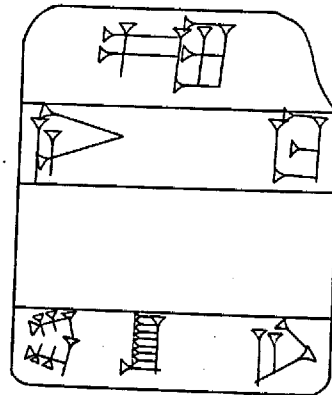
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REVERSE

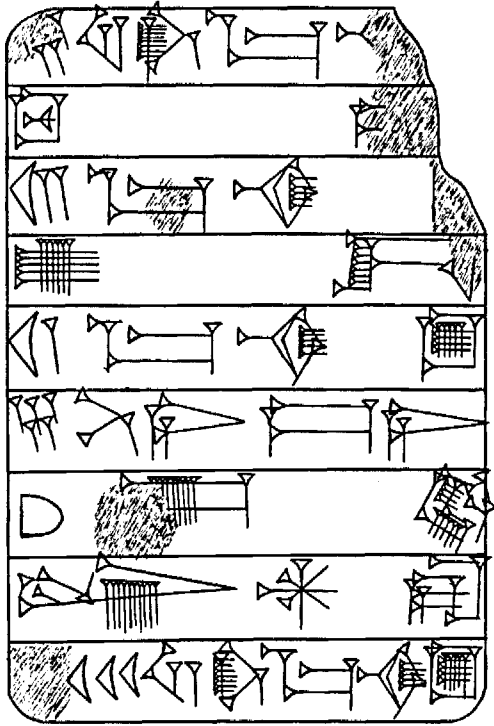


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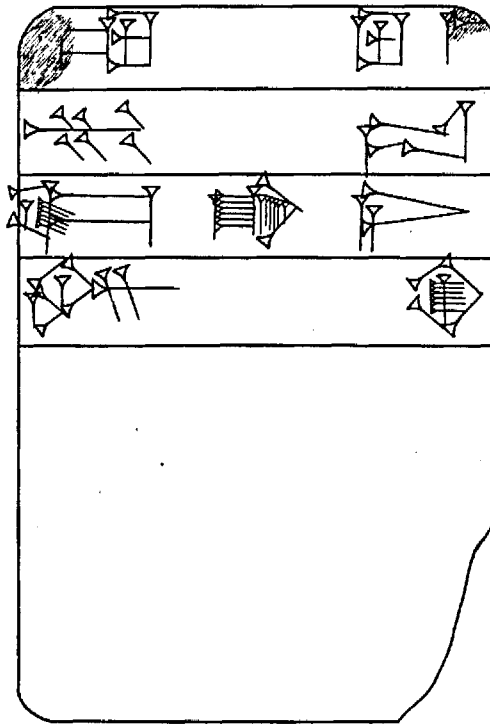


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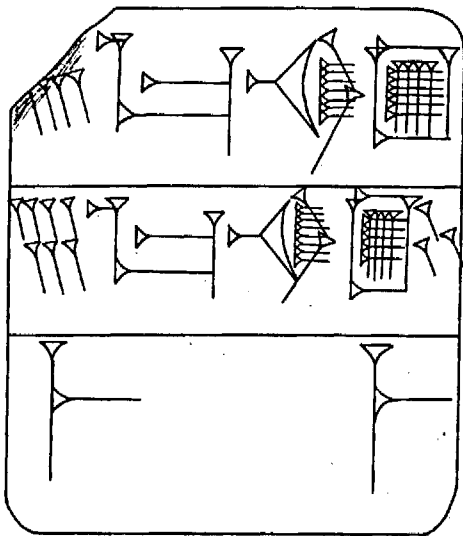


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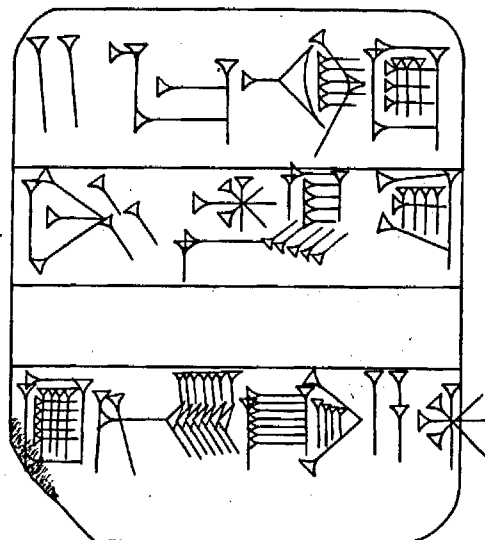


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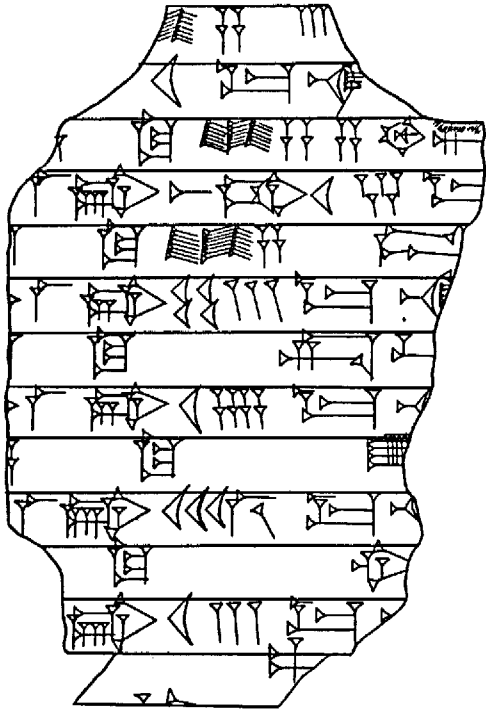
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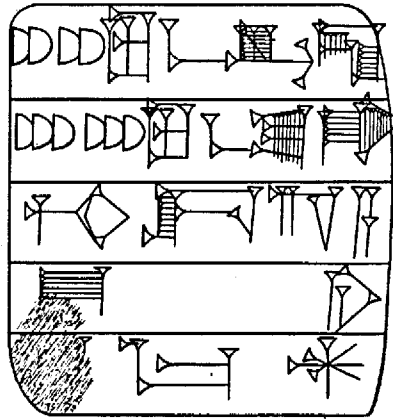


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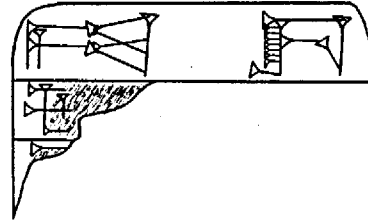


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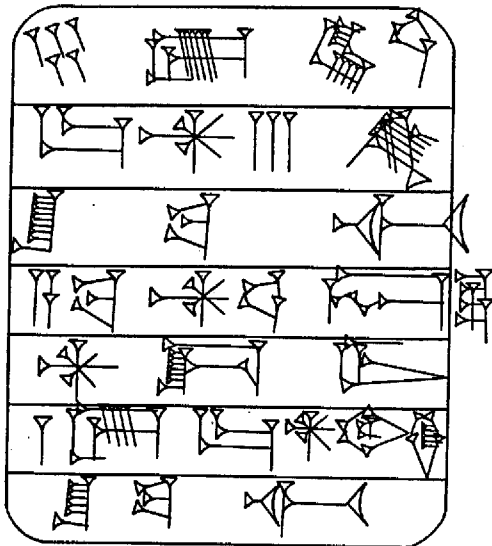


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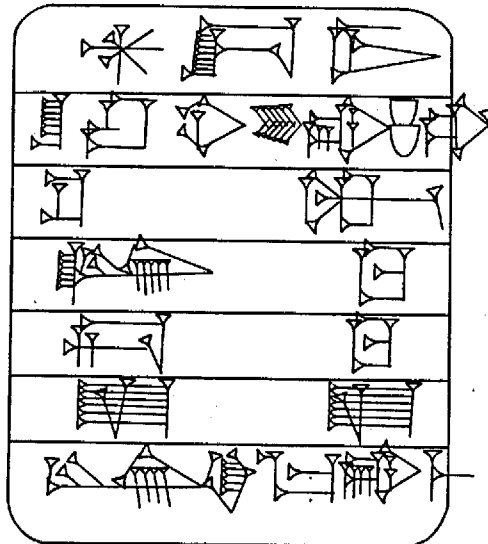


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REVERSE



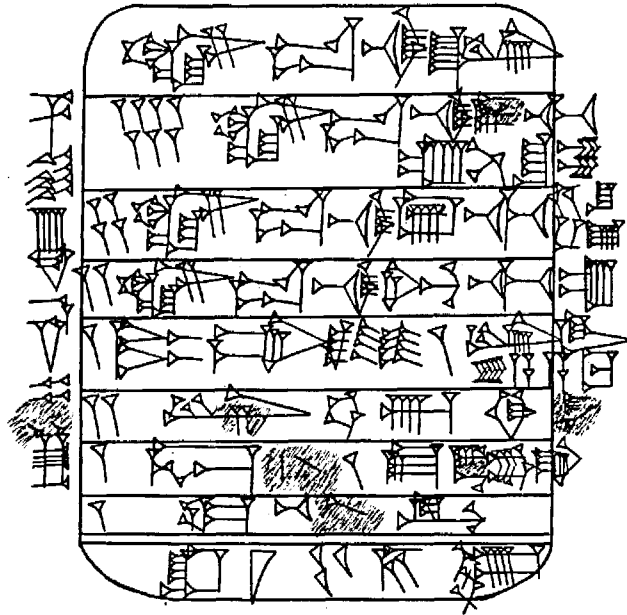
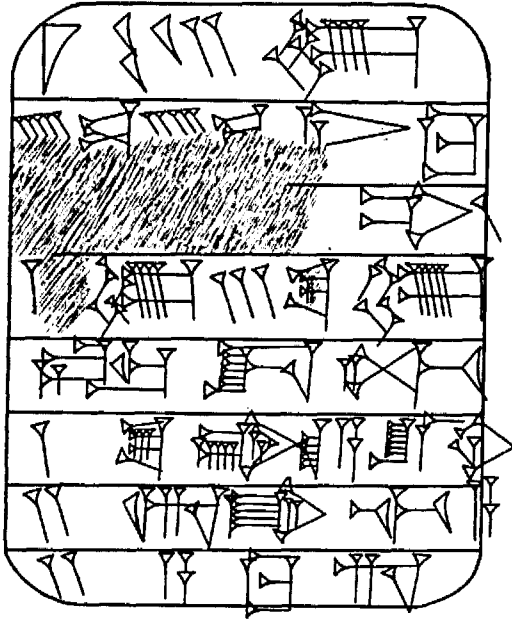




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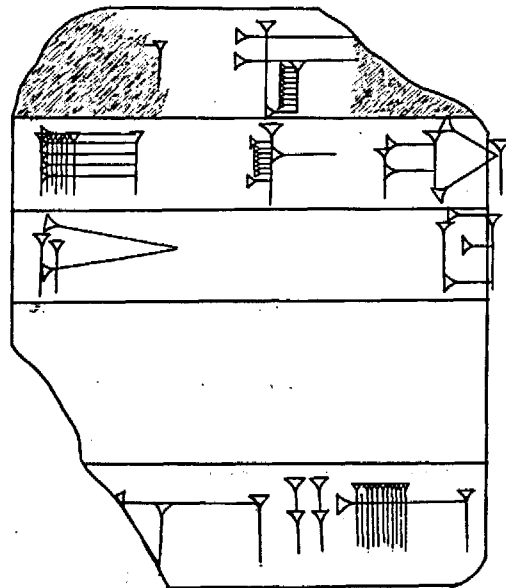
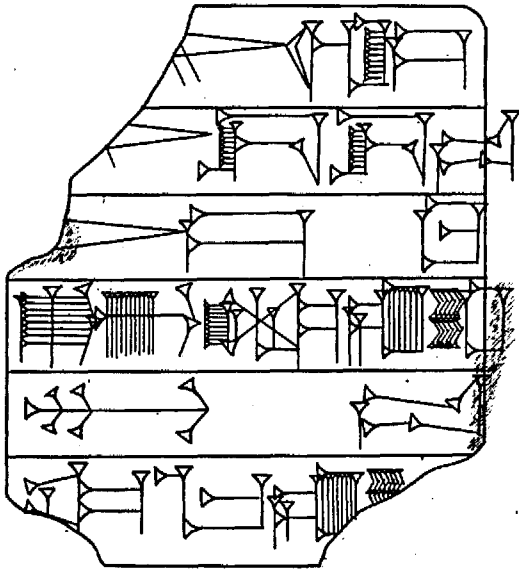
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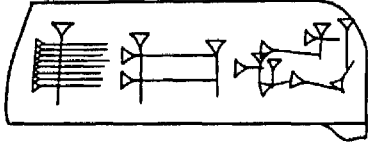
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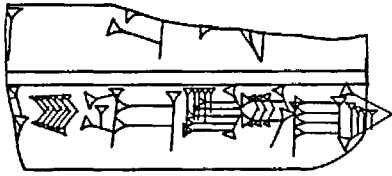




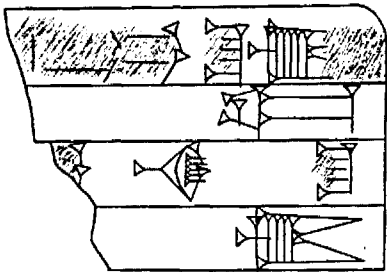
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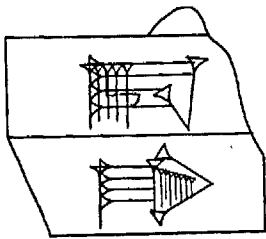
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195

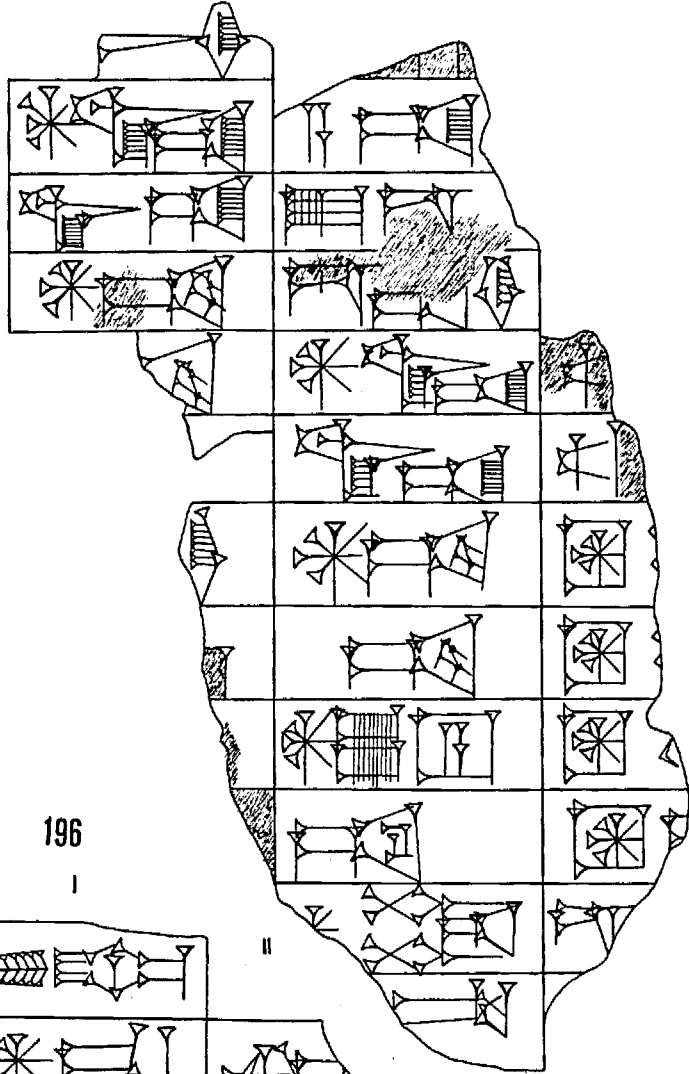


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I

II

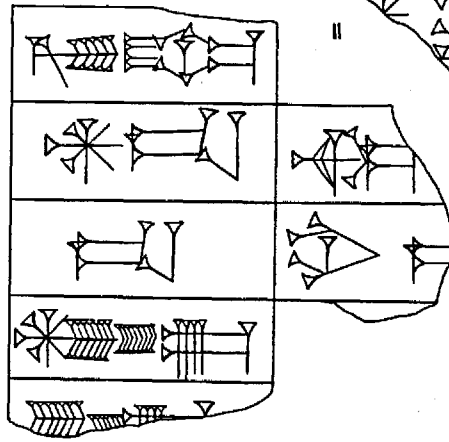
III



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I

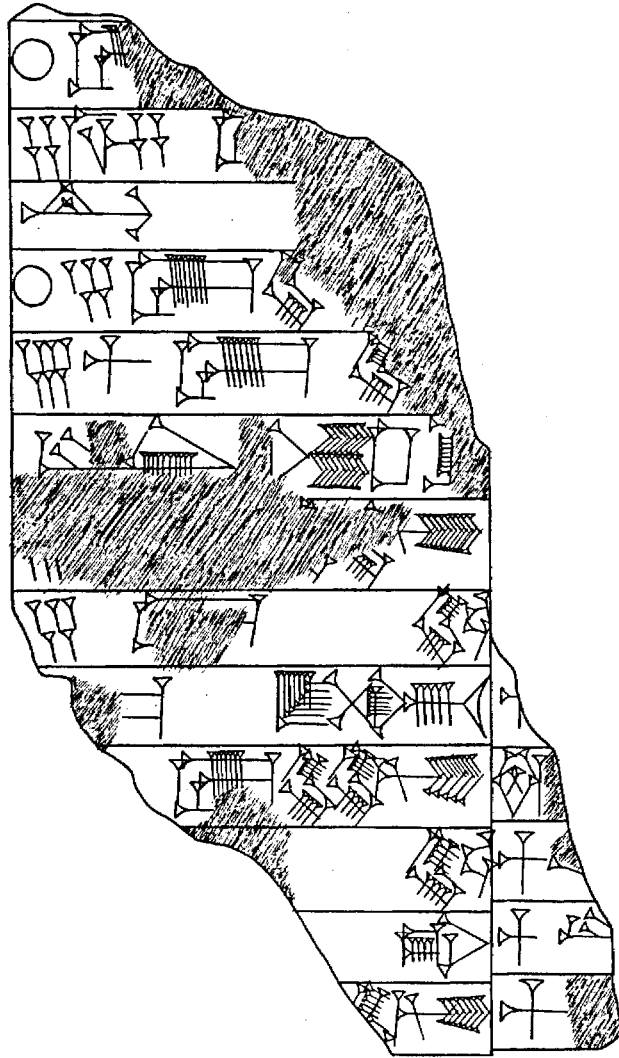
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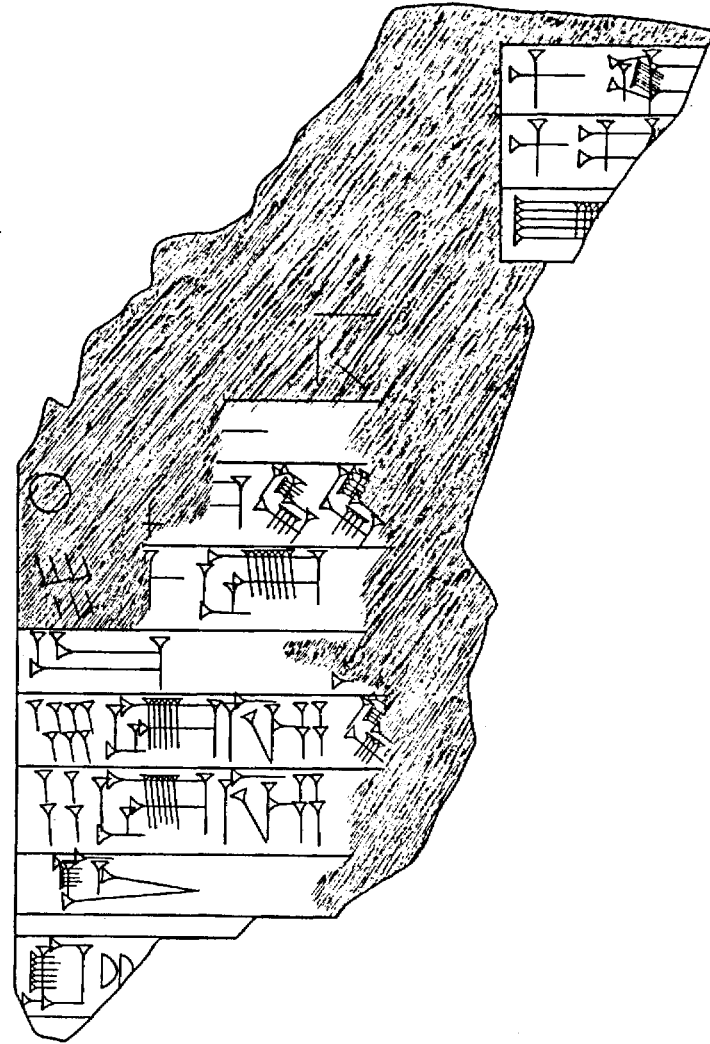


197

OBVERSE

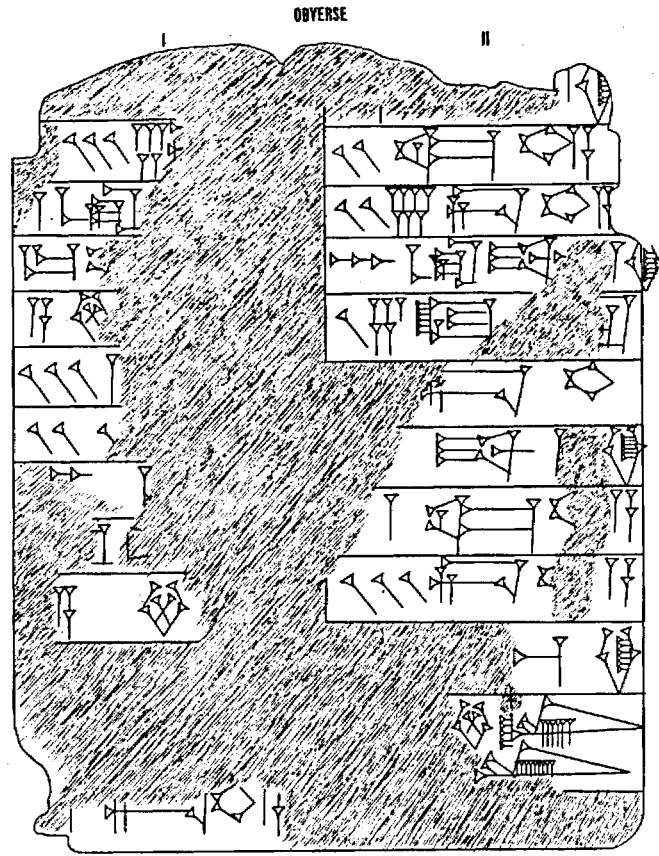


REVERSE





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REVERSE

III

