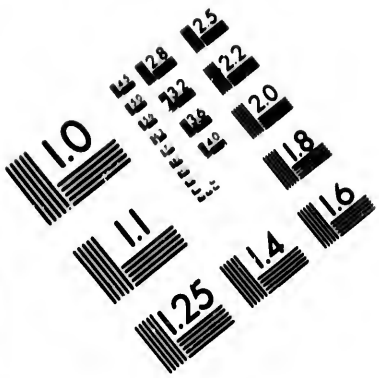


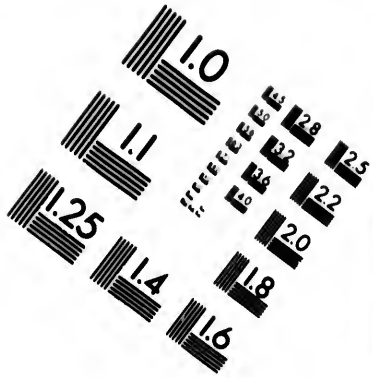
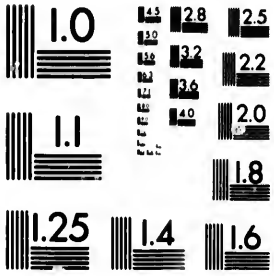
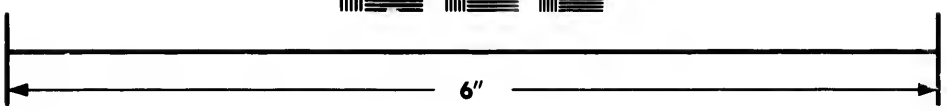
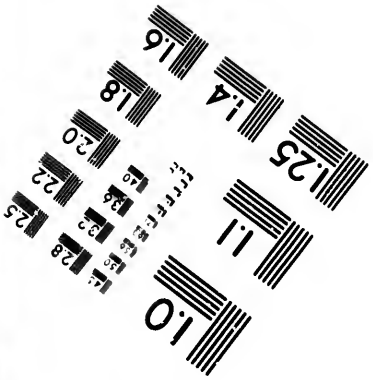
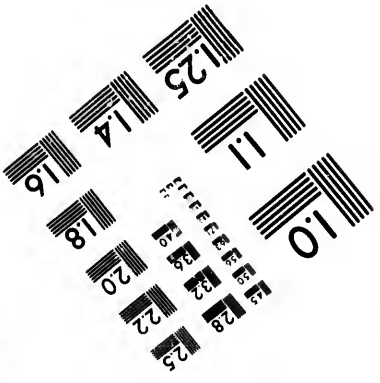


IMAGE EVALUATION TEST TARGET (MT-3)









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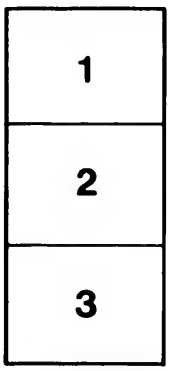

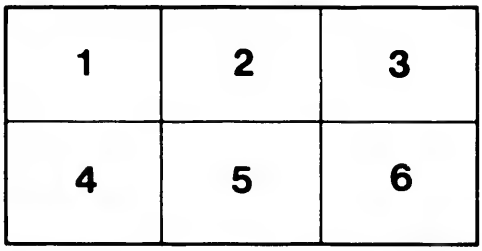

ᐊᔨᒥᐦᐊᐃᐧᐣ ᓂᑲᓇᐧᐣ

Psalms and Hymns

IN THE LANGUAGE

OF THE

CREE INDIANS

OF NORTH-WEST AMERICA.

COMPILED BY THE

REV. J. A. MACKAY,

C.M.S. MISSIONARY.

SANCTIONED BY THE

BISHOP OF SASKATCHEWAN.

LONDON:

PRINTED BY THE

SOCIETY FOR PROMOTING CHRISTIAN KNOWLEDGE, GREAT QUEEN STREET.

1877.

ALPHABET.

INITIALS.	SYLLABLES.				FINALS.
	ā	e	o	a	•
a	▽	△	▷	◁	○ ow
w	▽·	△·	▷·	◁·	X Christ
p	⋁	⋀	>	<	ˈ p
t	∪	∩	⊃	⊂	ˊ t
k	ϙ	ϼ	ԁ	ԟ	ˋ k
ch	ϩ	ϻ	ϳ	ԓ	ˉ h
m	⅂	⅂	⅃	⅃	ˍ m
n	ס	ס	ס	ס	˒ n
s	ᔑ	ᔑ	ᔑ	ᔑ	ˆ s
y	ᔦ	ᔦ	ᔦ	ᔦ	˃ r
					˂ l

The dot over any syllable lengthens the vowel sound.

ᓂᑲᒧᐃᐧ ᒪᓕᕆᔨᐦᐃᑲᓐ

1. ᖃᑭᓴᒃ ᓂᑲᒧᓐ

1 ᑯᓐᑯᓐᑲ ᐁᑲ·ᓂᐟ ᐊᐩᐩᓱˣ
ᑭᐟ ᐊᑐᓐᖃᐃᓐᑐ ᐅᑎᓀ
ᕿᑭᑎᓀ ᑭᐩᑎᑎᒋᐃᓐᑐ
ᖃᑭᓴᒃ ᐊᓴᒥᐩᐊᑯ

2 ᑰᐯ· ᑭ ᓀᓅᓐᑯᒋᒥᑎᑐ
ᑲ ᑭᐩᐩ ᑲᓀᐁ·ᓕᒥᓴᑐ
ᐱᕐᓂ ᑭᐩᐩ ᐊ·ᓂᓐᑲᐦᑐ
ᐱᐃᒪᑎᓯᐃ·ᓂˣ ᐃᓯ

3 ᐅ ᑲ ᑎᐯᓕᒫᒥᕐᓂᖅᓴᖅ
ᐁᐧᐱᓀ ᓂ ᒪᒥᒫᑎ ᐃᐧᓄ
ᓂᓗ ᐊᒫᑲᒫᓄᐧᐦ ᐸᑭᑦᐊᓀ
ᒥᔪ ᒥᑐᓱᓕᒫᒥᕐᓂᑲᓴ

4 ᐅᔪᓕᓕᒫᑦ ᑲ ᑭᓯᑲᑦ
ᓀ ᑐᑦᒋᓴ ᓀ ᐃᑌᐧᓭᓴ
ᐃᓕᓄᐧᐦ ᐁ ᑲᑎᑭᒫᒋᓭᓴ
ᑭᑦ ᐃᐧᒫ ᑲᓀᐧ ᑐᑦᒋᓴ

5 ᒪᒥᒫᑎᒥᕐᓵ ᑭᐱᒪᑐᑐ
ᑦᒫᑐ ᐊᑎᑭᕐᓵ ᑲ ᐊᓭᔪᔪᑦ
ᑭᐱᐊᓄᐧᐦ ᒥᓀ ᐃᑎᐱᒥᕐᓵ
ᒪᒥᒫᑎᒥᕐᓵ ᑭᐱᒪᑐᑐ

---

2. ᓀᑭᐱᔨ ᓂᑲᒧᑐ

1 ᑭ ᑭᒫ ᑲᓀᐁᐧᓕᒥᓄᑐ
ᐁ ᖃᑲᐧ ᑎᐱᑎᑲᑦ

ᑭ ᐃ·ᑦᑦ ᓇᓀᓵᕆᒥᑎᓀᓐ
ᒥᓇ ᐁ ᐊᑦ·ᓴᓱᓕᑦ

2 ᐊᓄᑦᓖ ᒥᓇ ᕿ ᑭᓗᑲᑦ
ᑲᓇᐁ·ᓕᒥᓀᓐ
ᒪᕿᒻᒪ ᒥᓪ ᐊᑦᓴᐊ·ᑦ
ᑲ ᐱᒻᒪᑦᑦᐊᑭᑦ

3 ᓂ ᑲ ᑲᕿ· ᓄᑯᑦᑰᓀᓐ
ᐁ ᑎᐱᓕᒥᒻᔪˣ
ᑭᑕ ᐊᑦ·ᕿᑦᑎᓕᐁ·ᒻᔪˣ
ᑯᑦᔪᓗᐁ·ᐃ·ᓇ

4 ᑭ ᑲ ᐃ· ᐊᑐᖏᑎᓀᓐ
ᐱᒻᒪᑦᑦᐃᐁ·ᓴᑐ
ᐱᓕᓵ ᑭᑕ ᐊᑦ·ᕿᒥᑰˣ
ᐃᓵᖏᒪᓂˣ ᑭᓗᑯˣ

---

3. ᐅᑦᑯᓯ ᓂᑲᒧᐊᓪ

1 ᑦᐯᐧ ᑭ ᓇᓀᖏᑎᑕᑎᓪ
ᐁ ᑭᐣ ᐊᐧᖏᑌᓇᒪᐃᐧᓴᓪ
ᐃᒪᒪᐃᐧ ᕿᐣᓴᓕᐃᐧᓴᓪ
ᕿᔭᐱᐧ ᑲᓇᐁᐧᓕᒥᓪ

2 ᓂ ᐊᐧᓂᓪᑕᒧᐃᐧᓇ
ᑲᐣᑭᓴᓂ ᐊᖁᓇᒪᐃᐧᓪ
ᑭᑦ ᑲᔭᑐᓕᐣᑦᑎᓪ
ᐁ ᐊᑎ ᓇᐣᐃᓯᓂᔭᓪ

3 ᒧᓴᐧ ᑭᖏᓄᐣᐊᒪᐃᐧᓪ
ᕿ ᐃᓯ ᐱᐃᒪᑎᓯᔭᓪ
ᐁᑲ ᐃᒃ ᑭ ᑯᖏᑦᓪ
ᓂᐱᐃᐧᓪ ᐅᑎᐣᑦᑎᒃᓂ

4 ᐋ ᓂᓯ ᐊᐣᔪˣ ᑲᓇᐁᐧᓕᑦ
ᑭᑦ ᑭᐣ ᒪᓐᓄ ᓂᑦᔭᓪ

ᒥᓇ ᑫ ᐊᑐᓂᖏᐊᑐᓄ
ᑭᑕ ᒥᔪ ᐊᑐᓂᑫᓴᑐ
5 ᐁᖏ ᔨᓂᑭᖅᖏᑐᒥᓴᓄ
ᑫᓴᐱᒻ ᖏᓇᐁᑐᔨᒥᑐ
ᐱᑯ ᑫᖏ: ᐁ ᒥᓴᑐᓯᑦ
ᑭᑕ ᒥᑐᓄᔨᖅᑕᒧᑐ
6 ᒪᒥᖅᑭᒥˣ ᐁᑐᔪᖅᑕᐃᐅᑐˣ
ᒥᓇ ᑭᓴᑦ ᐁᑐᑯᓯᓯˣ
ᒥᓇ ᖏᓈᑎᓯᓱ ᐊᖅᓚˣ
ᐃᒪᒪᐅᑐ ᐱᔪᑦ ᒪᓂᑐ

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4. ᐅᑕᑯᓯ ᓂᖏᒧᑐ

1 ᑭᔪ ᐅᐱᐃᒪᖅᐃᐁᐁᑐᓀ
ᐁᑐ ᐱᓯᒧᒥᓱ ᓂᓱ ᐊᖅᓚˣ
ᐁᖏᐃᑐᔪ ᐅᒪ ᐊᑎᑭ
ᓂ ᖏ ᐊᖏᐊᑐᔨᑎᑌᓂᖏᑯᑐ

2 ᐊᑎ ᓄᓀᑦᑲᓂᑉᓭᑦᓯᒃᓴᓂ
ᐅᒪᓂ ᓂ ᑲ ᐃᓕ ᑭᓀᑭᓕᓐ
ᐁ ᐃᓕᓕ ᒥᕋᓐᓄᑦᓯᒋᑲᑉᙵ
ᑭ ᑲᓇᐁᓕᓄᒥᐁᓕᓐ

3 ᐃᓐᓀᐃᓐᓇᓐ ᐁ ᑭᓕᑲᑦ
ᑭᓴ ᑲ ᐱᐊᒪᓂᐃᐃᓴᙵ
ᐃᓐᓀᐃᓐᓇᓐ ᐁ ᑎᐱᓀᑲᑦ
ᑭᓴ ᑲ ᐊᓀᐯᓄᒧᐃᓴᙵ

4 ᓇᓕᓇᓐ ᔪᓀᔪᓀᑲᐃᓴᓂᕐᓄ
ᒪᓐᔪᓀ ᒥᓇ ᐊᑕᓀᓂᐃᓴᙵ
ᐱᓄᓀ ᑭᑕ ᐅᑎᓂᕐᑕᒧᙵ
ᒥᔪᓐᓄᓄᐃᐅᓐ ᐃᓀᐱᒥᙵ

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5. ᐅᑦᑯᓕ ᓂᑲᒧᐅ

1 ᑭ ᑭᓂ ᑲᓇᐁᓕᓄᓇᓐ
ᐅᒪᓂ ᑲ ᑭᓂ ᑭᓕᑲᑦ

ᒥᓇ ᑲᓇᐁᓕᒥᓇ
ᐁ ᐊᑎ ᓇᑊᐃᔪᓇᔭˣ
ᑭᓴᑦ ᑲ ᐱᒧᒪᑊᐃᓴᔭˣ
ᑭ ᐃᓕ ᓴᑭᑊᐃᑎᓇᓐ

2 ᐅᑕ ᓂ ᐱᒍᑌᑊᐅᓇᓐ
ᖁᑲ·ᐧ ᕿᖏᐱᓗᐃᓂˣ
ᑲᑊᑭᔭᓄ ᐱᒧᒪᑊᐃᓇᓐ
ᐁ ᒪᒥᔪᔨᑦˣ
ᓂᐱᐃᓐ ᐅᑎᑊᑕᒧᑊᑫ
ᑭᑕ ᑭᑊ ᐃᓕᐃᓕᑦˣ

---

6. ᐅᑦᑯᔪ ᓂᑲᒍᓐ

1 ᐃᓕᐃᓐ ᑭᔪᖏᑲ ᐅᑦᑯᔪᓐ
ᐊᑎ ᑎᐱᖏᑲᓄ ᑭᓴᑦ ᐃᓕᐃᓐ
ᐃᖏᐱ ᑯᑕᑲᑊ ᓇᑲᔪᑕᐧᐁᐧ
ᓂᔭᑕᒦᓕᑫᔭᓐ ᐯ ᐃᓕᐃᓐ

2 ᒣᑦᑭᓪᓚᕐᓂᐅ ᓂ ᐱᓯᒪᓕᕐᓂᐊᓐ
ᒥᓇ ᐊᓐᑭᐅᐊᓂ ᒥᔪᓐᓕᒍᓂᐊᓐ
ᓇᒪ ᖃᑲ: ᐊᓐᑭᙵ ᖃᑦᑭᓕᓭᑕ
ᑲ ᒪᓐᑲᐃᓂᓕᖅᓯ ᐯ ᐃᓂᖃᐃᓐ
3 ᒍᐸᑦ ᑭ ᑭᑦ ᑭᑎᓯᖃᓕᒥᓯ
ᐁ ᐊᔪᑕ ᑭᑦ ᐯ ᓯᑐᓕᐃᓂᖅ
ᑭᖅ ᓇᒪ ᐃᓚᑲᓗ ᑭ ᐁᓱᓂᓯ
ᐃᓅᑲᓂᖅᓂᙵ ᐃᓅᔪ ᐯ ᐃᓂᖃᐃᓐ
4 ᑕᑦᑭ ᐱᔪ ᑭᑕ ᐃᓂᖃᐃᓂᖅᓯ
ᑭᖅ ᑲ ᐄᔪᑦᐊᓱ ᓯᒋ ᐊᓂᖅ
ᐊᐁᓇ ᔪᑕᑦ ᖃ ᑭᑦᑦ ᐃᓂᑭᑦᐃᓱ
ᐱᔪ ᐃᑕ ᑭᓴᑕ ᐯ ᐃᓂᖃᐃᓐ
5 ᐃᓅᑲᓂᖅᓂᙵ ᕿᐊᑲᓂᐱᓴᓄ
ᑭᖅ ᑲ ᑭᑦᑦ ᓂᐳᓅᑦᓯᓕᐃᓂᖅᓯ
ᕿᐃᓂ ᓇᓯᐃᓐ ᐱᓯᒪᓕᕐᓂᐊᓐ
ᓂᐳᐃᓂᓂᙵ ᐯ ᐄᐳ ᐃᓂᖃᐃᓐ

7. ᓂᐅᒧᐊ

1 ᖃᐅᓇᑦᓯᐊᕐᓂᒪᓐᓄ
ᐃᓂ ᑲ ᓄᕐ ᑭᓐᓯᓐᑲᑦᑎᕐ
ᓂᓗ ᐊᔪᓐᓂᐊ ᓂᕐᑎ ᖃᑲ:
ᐊᓕᓇᑦᔪᑦ ᓂᓗ ᐃᑌᓕᕐᑌᕐᑎ

2 ᓇᒪ ᖃᑲ: ᓂ ᒪᒥᓂᐊ
X ᐱᑯ ᑲ ᐱᒧᕐᐃᓕᓂᐊᓗ
ᓂᕐᑎ ᑲ ᓄ ᓴᓄᕐᓯᓴᐊ
ᓂ ᑲ <ᓄᑎᓇᒪᓇᑦᔪᓂ

3 ᑭᓐᓗ ᐅ ᓯᑎᑲ·ᓂˣ ᐅ ᑭᕐᑭˣ
ᓄᕐ ᐅᕐᓯᓂᓂᑲᐊ·ᓂᓕᔪᓂ
ᐅ ᒥᕐᑯ ᐁ <ᓯᓄᔾᖃᕐᓗ
ᐁᓯᐱᕐᓂ ᓄᔪᐊ·ᑎᓂᓂ

4 ᑲᕐᓄᔾᓂ ᖃᑲ: ᐊᔾᔾᐊᐊ
<ᓄᑎᓇᒪᓇᑦᔪᓐ ᐃᒃ

ᑲᑕ ᓄᖏᑌᐸᓕᓕᐸᑐ
ᐁᖅᐱᖏᑉ ᑭᓴᐊᓵᑎᓯᑦ

---

8. ᓂᑲᒪᑐ

1 ᐃᑕ ᓂᓯ ᐊᖏᐳ ᓂᖅᑐ
ᒥᐅᓴᐊᓵᑭᖏᐃᑐᑦᑕᓵᐃᓵ
ᐁ ᐊᐅᓴᑲᓵᒣᐃᓕᖏᑭᑋ
ᐅᑦ ᐊᓴᒥᖏᐊᐃᓵᓂᐊᓵᓄ

2 ᐁᑯᑕ ᕿ ᑭᖏ ᐊᐅᓴᐅᓴᑐ
ᐃᑌᓵᓄ ᐅᐱᒧᒪᑭᖏᐃᐁᓵᓄ
ᑭᑕ ᕐᖅᑭᓇᒪᐊᓵᑭᑋ
ᒋᐯᓵ ᑭᓴᐊᓵᑎᓯᐊᓵᑐ

3 ᑭᑦ ᐃᑕᓯᐁᓵᐃᓵᑐ ᐅᒪ
ᓂ ᐄᒪᒪᐊᓵᐱᖏᐃᐊᑯᓴᑐ
ᐯ ᐃᑎᓴᖏᐊᒪᒪᐃᓵᓭᑐ
ᑭᑦ ᐊᖏᓰᕽ ᐃᖅᐱᒥᕽ ᐅᖏᑭ

9. σbJᑐ

1 Lᑫᒃ- ᒋV· ρıı ΓııdΔ·o
ᓄΛİLPııΔ∇·ᑦ
σᓗ ᐅııP LσJPˣ
∇Pᓴdᔪᓕᑐ

2 σ LİᑎᑎᔪΔ·ᓴ P
ḃ ρıı σᐸııΔdᔪ
Lᑫᒃ- ρϟᐊ·ᑎᔪΔ·ᑐ
ᒋV· Δϟ Γᓱo

3 ᒋᔪᒋ· ΛPᑦ ρıı ḃPᔪ
Lσᑐ ᓄᐸııΔıı
ᐊᐳPᔪᓄᐊ· ᐅııP
∇ Lİᑎᑎᔪᐳ

4 σ b ᓴᓄVΔ·ııΔdᑐ
σ LPııᑎΔ·ᓴ

ᐁ ᐃᒥᑐᓂᓕᕆᓂᐊᒻᒪᓗᑐ
ᐅᑉ ᑭᙵ ᑐᓀᒪᐃᐅᓵᕐ

5 ᐃᒪᑉ ᓇᒪᐃᔪᖅ ᓂ ᑉ
ᑭᙵ ᑎᕐᓵᙵᑐ ᒋᐯᔪ
ᐁᑉᔪ ᓂ ᕐᑭᑎᓂᓗᓂᑐ
ᐅ ᑭᓴᑦ ᐅᑎᓂᑐ

10. ᓂᑉᒪᑐ

1 ᐅᒪ ᐱᐃᒪᑎᓗᐃᔪᑐ
ᐃᔪᕐᒥᑦ ᖃᙵᑭᕐᓴᓂᓄᑐ
ᐱᑐᑦ ᐃᓀ ᐃᙵᓂᔪᑐ
ᐅᑭᑫ ᐅ ᐊᐅᓴᑦ

2 ᒋᐯᔪ ᐃᒪᑉ ᑭᐃᓗᑐ
ᐃᓀ ᑉ ᐊᓂᕆᒪˣ
ᒪᓐᓂᒥᑦ ᒪᑦᔪᔪᓕᕆᐃᔪᑐ
ᐅᑭᑫ ᐁ ᐊᐅᓴᑦ

3 ᐅᓂᓕᖅᑐᓕᒻᒥᐅᓗᑎᒃ
ᑭᓪᓚᐃᓐᓇᓕᒫᒃ
ᐅᓪᓗᒥᐅᓗᒃᑕᐃᓐᓇᖅᑐᖅ
ᐅᖃᐅᔨᒪᔭᕐᓂᖅ

4 ᐊᓂᒍᑦ ᑭᓪᓗᒡᓗᑎᒃ
ᑭᓪᓗᒡᓗᑎᒃ
ᐃᓚᒋᑦ ᑭᓱᓕᕆᔨᒃᑯᑦ
ᑲᓪᓚᐃᓐᓇᓕᒫᒃ

5 ᐊᓂᒍᑦ ᐊᑐᓂᑎᐱᓕᕆᒃ
ᓇᓗ ᖃᒃ : ᓂᒃᓐ
ᐃᓚᒃ ᐱᓕᕆᔨᒪᓕᕆᓂᖅᓐ
ᐃᓕ ᑭᓪ ᐊᑦᑐᖅ

6 ᐃᓕ ᖃᐅᔨᑐᐃᓚᖅᑲᓪ
ᑭᓪ ᓚᓂᕐᒥᓇᒫᒃ
ᐅ ᐊᑦᓴᓐᓴᓕᕆᐊᓘᓂᓪ
ᑕ ᒥᔪᑦᓂᓕᒫᖅᑲᓪ

11. σbJ⁾

1 ρϟL⁾⁾ D′ ⊲ᑊᑐᑊb·
ϥ Δ· Pᑊ△dϟˣ
ρ< pᑊ σ<⁾ᑊ<Lˣ
Γ< ⊲ᒋJΔ·⁾

2 Δ^ΛΓˣ ϥ Dᑊᑎ⍳Lˣ
DL pᑊP ⊲·^Uo
Γ⍳ pᑊP ⊲ᒋJΔ·⁾
ϥ ⊲·^U⍳ᒐ<ˣ

3 ḃ p^P⍝ᑊ⊲ᒐJdϟˣ
ρ< ↗<·ᑊbϟˣ
Γ⍳ ∇ḃ LPᑊᑎΔ·⁾
ρ< Δᑊ⁾<Lˣ

4 DL ḃ pᑊ V·dϟˣ
Γ< ΔᒋᑊC·Δ·⁾

ᐅ ᑭᐦ ᑭᓯᐦᑕᒪᓄᕆˣ
ᐅᐱᒪᒥᐦᐃᐁᐦ·ᐠ
5 ᐅ ᕿᖏᑭᓂᐦᐊᒪᕿᓴᓗ
ᑲᓀᐊ·ᐸᒥᓭᓗ
ᑭᐟ ᐊᓴᒥᐃᐢᓗ ᒥᑐᓂ
ᒥ ᓂᓯᑐᐦᑕᒪˣ

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12. ᓂᑲᒧᓗ

1 ᑯᐯ· ᐁ ᑭᐦ ᓴᑭᐦᐃᑕˣ
ᒥᔭᖏ ᐅ ᑭᐦ ᐅᐦᒥ ᓂᐱᐟ
ᒪᐦᑎ ᐁᑲ· ᑭ ᑌᐦᐃᓭˣ
ᐅᐦᒥ ᓂᑲᒧᖏᑕᐊ·ᑯᐠ
2 ᑯᐯ· ᑭᐦ ᐃ·ᔭᑭᖏᑕᐊ·ᐠ
ᑲᐦᑭᓴᐠ ᑭᔨᓭᐠ ᐅᐦᒥ
ᐁ ᐃ·ᐦ ᐱᒪᒥᐦᐃᐊᔪᓴˣ
ᒪᐃᑎᓯᐃ·ᓂˣ ᐅᐦᒥ

3 ᑭ ᑭᑲ ᑕᐃ·ᓇᓰ.ᑯᓇᓄ
ᑭᑲᒋ ᑭᓯᑯ ᐃᖏᒃ·ᑲᑲᑌᑦ
ᒃᑭᑫ ᒥᓇ ᒃᑭᑫ
ᒪᒥᑲᑎᒥᑯᐃᓕᐣ ᐊᐅᓄᓄ

4 ᒋᐯ· ᑭᑲ ᐃ·ᓴᑭᑲᐅ X
ᐁ ᐃ·ᑲ ᐱᐊᒥᑲᒋᐟ ᐊᖏᑭ
ᐊᒐᑎ ᐊᒃ ᐁᒃ· ᒋᐯ·
ᒪᒥᑲᒥᐊᑦ ᒃᑭᑫ

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13. ᓂᒃᒧᐣ

1 ᖃᕆᐅᓴᕕᐁᑦ ᐃᖏᐱᒥᙵ
ᒃ ᒥᔪ·ᓄᑲᒋᒃ·ˣ
ᒐᑐᓂᓄᑲᒋᐊᓂ
ᐄᓱᖏᑭᓂᓄ ᓂ ᑌᑲ
ᓇᒪ ᓂ ᑭᖏᓄᑲᑌᓐ
ᒥᔪ·ᓄᒧᐃᓇ

ᒥᓇ ᑭᐦᐃᓕᐳᐃ·ᐃ·ᓐ
ᑲ ᐊᑦᓴᖏᑯᔾᔨᓐ

2 ᓂᐸᐃ·ᐊᑦᑊ ᐄᓴᓂˣ
ᐁ ᓇᓂᑲᒧᒧᑊ
ᐊᑦᓴᖏᒪ·ᑊ ᐁᔨᑭᕕᐊᑊ
ᐅᐦᒥᓇᒋᖏᓇᑊ
ᑲ ᑎᐯᐳᒥᑯᒧᑊ
ᑭᓗᑲᓇᒪᖏ·ᑊ
ᐅ′ ᐃᐦᒋᐃ·ᓂᐊᑦᐊ·
ᒥᔾᓱᓂᐳᐊ·

3 ᐁᑯᑕ ᓇᒪᐃ·ᔾ
ᖃᖏ : ᐊ·ᓀᐦᐃᐁᐢ·ᓄ
ᐯᐦᒋᖏ·ᓐ ᓂᖏᒧᐃ·ᓐ
ᒋᐯ· ᒣᐳᐦᒋᖏ·ˣ
ᑕᐦᑐ ᑲ ᐄᑯᐦᒋᑦᑭᑊ
ᐁᑯᑕ ᖏᑭᖃ

ᐁᑲ· ᐊ·ᐱᖏᑭᐳᐊᑦᑎ
ᒥᔪᓐᓂᒧᐃᓐᓂˣ

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14. ᓂᑲᒧᐃᓐᓄ

1 ᓂ ᐃᒪᐊ·ᑭᐣᐃᑐᐊᓄ
ᑭ ᐃ·ᐣᔫᐃ·ᓂˣ ᑭᓴᑎ
ᐯ ᐃᑐᐣᑌ ᑯᐊ·ᓂˣ
ᑕ ᓄᑯᐣᐅᓴᓄ ᐅᑕ

2 ᒥᓂᓴᓄ ᓂ ᑌᐣᐃᓴᓵˣ
ᐯᓵᐣᑕᑫᓂᒧᐃᓐᓄ
ᑲᓴᑭᐣᑕᒪᐃ·ᓴᓄ
ᐁᑭᑫ ᑕ ᐊ·ᑎᑌᑭ

3 ᑭᐃᓵᑦ ᐃᑕᑭᒥᓴᓄ
ᑭᑕ ᑭᐣ ᓴᑭᖏᑯᑯˣ
ᒪᒪᐣᑯᑯᓯᐃ·ᓂˣ
ᒪᓂᓄ ᐊ·ᑎᑌᐃ·ᓂˣ

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15. ᓂᒃᓱᓐ

1 ᐊᑦᑊᑎ ᒥᔪᓯᓯᒋᑦ
ᐃᓴᓂˣ ᐅᐃᓴᒋᑦ
ᐯᑦᐊᑦᑦ ᐱᐃᒪᑊᐅᐃᓐᓄ
ᒥᓇ ᒥᔪᑦᓂᒍᐃᓐᓄ

2 ᒥᔪᑊᑦᑯᓯᐊᑦᑦ
ᐅ ᐃᑦᑊᑕᒻᓇᒋᑦ
ᐃᓴᓐ ᑲᓇᐊᑦᔨᑕ ᒋᓴᑎ
ᑌᐯᓂᑊᑕˣ ᐅᑕ

3 ᒥᔪᑦᓂᑊᑦᑲᑲᑦ
ᓂᑊ ᑕᐊᑦᑲᓇᐊᑦ
ᐅ ᓇᑐᑊᑕᒍᒪᑲᑊᓂ
ᐱᐃᒪᑊᐅᐃᑦᓇ

4 ᓴᐅᑦᓂᑊᑦᑲᑲᑦ
ᓂ ᖃᓂᓯᑯᓇᐊᑦ

▽ ◁·<ᑦᑕᒧᒪᒃᑭᑦ
ᐊ·ᓵᑌᓂ △ᑕ ▽ᐅᓴᑦ
ᒪᓂᑐ ᓄᑯᑦᒋᓂ
▷ ᒪᓵᑲᐃ·ᓯᐃ·ᑐ
ᒥᓇ ᑲᑦᑭᓴᓂ ᐊᐃ·ᓴ
▽ △· ᐱᐃᒪᑦᐊᓯ

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16. ᓂᑲᒧᑐ

1 ᐃᒪᒪᐃ· ᑭᓵᑭᑦᑕᑦᒋᑦ
ᑭᓴᓵ ▷ ᐃ·ᑦᓯᐃ·ᑐ
ᑲᑫ· ᑭᓵᑌᓴᑦᒋᑯᑦᐃᕽ
ᑲ ᑎᐯᓴᑦᑭᑫᓯ
2 ᐊᓂᑭ ᐯᐃᒪᑦᐃᑦᑭᑦ
ᓀᓵᑫ·ᑦᐊᐃᒪᑐᐊ·ᑦ
ᑭᒋ ᓂᑲᒧᓵᕿᐊ·ᑭᑦ
ᑌᐯᓴᒥᑯᑭᑦ

3 ᑭᓴᐃᓐᓂ ᐊᓂᕐᓵ ᐅᑦᓴᓱᑦ
ᓴᐅᓂᓕᒥᓱᑦ
ᑭ ᑭᑦᑎᓯᐅᓂᐃᓐᓂ
ᑫ ᑎᐯᓕᑦᑭᕐᓂ

4 ᑭᓴᐃᓐᓂ ᑫ ᒪᓕᓂᓱᑦ
ᐅᓗ ᐊᓴᒪᑦᑭᐃᐅᓚᓐ
ᓄᒃᑎ ᑭᓐᑐᓕᒪᙵ ᑎᓴᓐ
ᑫ ᑎᐯᓕᑦᑭᕐᓂ

5 ᐅ ᑲᑦᑭᓴᓂ ᐃᓕᓂᐊᑦᓗ
ᐊᓂᕐᙵ ᑫ ᐊᑦᓴᒪᑦ
ᑲᑕ ᓂᑲᒧᓐᓯᐊᓗᓗ
ᑌᐯᓕᒪᓂᑦ

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17. ᓂᑲᒧᑦ

1 ᐅᓐᐯᑦᑭ ᐱᑭᑦᒋᓗ ᐊᓂᑭ
ᑫ ᑎᐯᓕᑦᑭᕐᓂ

ᐅ ᑯᓯᓴ ᐸᑭᑎᓂᐤ
ᑭᒋ ᓂᐱᐦᐃᐅᒥᐦᐣ

2 ᐊᐃᐧᓵ ᐁ ᒋᐯᐧᐦᐣᒋᑯᐣ
ᐁᑲ ᒋ ᓂᐱᐳᐣ
ᑲᑭᑫ ᐱᒪᑎᓯᐃᐧᔭ
ᒋ ᐅᑎᐦᐠᒋᐳᐣ

3 ᒋᐯᐧ ᑭᐦ ᑭᓴᑯᐧᑎᓯᐤ
ᑲ ᓴᑭᐦᐃᑯᓵᓪᕽ
ᑭ ᑭᐦ ᐱᒪᒋᐦᐃᑯᓀᐤ
ᐁᑲᐧ ᒪᒋᐦᒋᒋᕽ

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18. ᓂᑲᒧᐣ

1 ᐃᐧᒋ ᓂᑲᒧᐊᒪᒋᓂᔨ
ᐃᐢᐱᐱᒋᕽ ᐁᔭᑭᔨ
ᒋᐯᐧ ᐅᓴᓱᔭᑎᐣᐊᐧᔨ
ᐁ ᒥᔩᐧᔭᐧᒧᑭᔨ

2 ᑲᓕᑭᓯᒋᓂ ᑲ ᑭᑦᑎ ᓂᐸᑦᐃᑦᑦᓵ
ᐃᓗ ᓂᑲᒪᐊᐧᓵ
ᑭᑕ ᑭᓕᑌᐦᐅᓯᒋᑯᐃᑦᑦᓵ
ᐅ ᓂᐳᓕᑕᒧᓐᓵ
3 ᑭᓴᓕ ᑭᑦᑦ ᑲᓕᑭᓯᑕᒪᓗ
ᑭᓕᑌᐦᐅᒥᑯᐃᓐᓄ
ᒥᓇ ᑎᐯᐦᐅᑦᑭᑫᐃᓐᓄ
ᒪᓴᓵ ᑭᑕ ᐊᐅᓵ
4 ᑲᑦᑭᓵᓂ ᐅ ᑭᑦᑦ ᐅᓗᑦᑦᐊᓗᓵ
ᑕ ᐃᓐ ᑭᓕᑕᑭᒥᓵ
ᑭ ᒪᓂᑐᒥᓇᓂ ᒥᓇ
ᐅ ᓂᐳᓕᑕᒧᓂ

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19. ᓂᑲᒪᑐ

1 ᐅ ᑯᐯᐧ ᐁ ᒥᓀᑦᑦᑯᑲᐧˣ
ᑭᑦᑦᓕ ᐊᐱᓕᒪᐃᓐᓄ

ᑭ ᐱᐊᒪᑎᓯᖏᑲᑯᓀᑐ
ᐁᓯ ᐊᑉᓂᐩᐅᓴᕐ

2 ᓂᓯᐊᑉᓀᒪᐩᐅᐃᑉᓂᕐ
ᐁ ᓀᓄᑯᓯᓴᕐ
ᐃᒪᒃ ᑭᓴᐊᑉᑎᓯᐃᑉᓐ
ᕿ ᐅᐩᓯ ᕿᖏᐱᓴᕐ

3 ᐱᐊᒪᐩᐅᐃᑉᓐ ᐯᐩᒋᒃᑉᓐ
ᒥᓴᑲᒐ ᐊᖏᑭᕐ
ᑕᐩᑐ ᑭᓯᑯᕐ ᐁᐅᓴᑦ
ᐁ ᐊᑉᐃᑉᑎᐩᒋᑦ

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20. ᓂᒃᒪᑐ

1 ᒪᖏ ᐯᑦ ᓄᑯᓯᓂ ᐊᑉᖏᑯᕐ
ᐅ ᑭᐩ ᓂᐳᖏᒋᓕᕿ
ᒥᐩᕿ ᐅᒃᓇᒪᐩᐅᐊᑉ
ᐯ ᐃᑉᕿᐁᑉᓂ ᐊᓯᒪ

ᒪᒥᐦᑭᒥˣ

ᒪᒥᐦᑭᒥˣ ᐃ ᐅᒣᑦ

2 ᑲᐦᑭᓱᓂ ᑲᓇᐊᑉᐸᒥᑦ

ᑭᐦᐁᓕᐅᓐᔪ ᑭᑭᖏᑦ

ᕿᐦᑐ ᑲ ᒪᒣᓕᒪᒥᑦ

ᑲ ᑭᐦ ᒫᖏᐦᐊᐢᖏᑉᐸᒥᑦ

ᖃᑭᓯᐊᑉᑦ

ᑭᐦᒋᑉᑕ ᐅ ᐊᑉᐸᐃᒪᑦ

3 ᒥᓂᖏᑎᑲᑉ ᐃᑉᓂᐯᑲᑉ

ᑭᓯᑦ ᓇᒪ ᑕ ᕿᑲᑉᔪ

ᕿᐦᑐ ᑲ ᑭᐦ ᐸᑲᑉᐸᒥᑦ

ᐯᐦᕿᒪᑉᑦ ᐳᑎᒥᑲᔪ

ᐊᖏᕿᒥᑌᑦ

ᑯᓴᓯᐊᑉᑎᑯᐊᑉᓀ

4 ᐱᐃᒪᐦᐅᐃᑉᔪ ᑲ ᐯᐦᕿˣ

ᐊᑉᐸᐦᕿᒧᑦ ᐅ ᓄᑲᑉˣ

ᑲᐱᑭᓴᓂᐤ ᐯᐊᒪᐱᐃᐱᑦ
ᑲᑕ ᓇᑭᐢᑲᐁᐦᐊᐦᑊ
ᒪᒥᐱᒋᒥᕽ
ᒪᓂᑐ ᑕ ᓄᑯᓯᐤ

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21. ᓂᑲᒧᐣ

1 ᑲᐱᑭᓴᓂᐤ ᐊᐢᑭᕽ ᐁᑦᔨᓱᑊ
ᒪᒥᓴᐃᐦᑎᑯᐱᐊᒧᐣ
ᑭᑕ ᓂᑲᒧᐢᑕᐃᐦᓱᑊ
ᐊᓇ ᑌᐯᐣᒥᑯᓴᕽ

2 ᐁᐊᐦᑯ ᑭᓴᒪᓂᑐ
ᐊᓇ ᐅᑲ ᑭᐱ ᐅᓯᐱᐃᑕᕽ
ᑦᐯᐦ ᑭᓯ ᐊᓴᒥᑯᓇᐤ
ᐁ ᑲᓇᐁᐦᐣᒥᑯᓴᕽ

3 ᐱᐱᑐᑫᑊ ᐅᓯ ᐃᐢᑲᐦᐧᐱᑌᒥᕽ
ᑭᑕ ᓂᑲᒧᐢᑕᐃᐦᓱᑊ

ᓇᓵᓴᐸᒥᕐᓗ ᒪᒥᐳᑎᒥᕐᓗ
ᑫ ᐃᓱ ᑐᑕᒪᐸᓪ
4 ᐃᓕᓴ ᑲ ᑎᐯᓕᐳᑎᑭᓱᐧ
ᒥᓇ ᑲ ᓴᐁᓕᐳᑎᑭᓱᐧ
ᐅᐧ ᐊᓱᑕᒻᒪᑫᐃᓕᓇ
ᑲᑉᑫ ᑎᐱᐸᓕᐊᓕᓕ

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22. ᓂᑲᒧᓪ

1 ᑭᓪᑭᓄᐳᐦᐃᐃᓪ ᑭᐦᐁᐅᐸ
ᐊᓪᑭᕐᓂ ᐁ ᐱᒧᐦᐃᑌᓴᓪ
ᑭᓴ ᑲ ᒪᓪᑲᐃᓕᓱᓴᓪ
ᓂᓴ ᓂ ᓄᓱᐃᓕᓱᓪ
ᒥᒥᒥᓂᓪ
ᑭᑕ ᒪᓪᑲᐃᓕᓱᓰᓴᓪ
2 ᐸᓰᓪ ᑭᐦᐃᑌᓇᒪᐃᓪ ᐁᑲᓕ
ᑭ ᐱᐊᒪᐦᐃᐃᐁᓕᐃᓪ

ᑭᓵ ᑲ ᓇᑕᒪᑫᓵᑐ
ᒧᐊᖅ ᓂᑲᓄᖏᑕᐃᓕᐅ
ᐱᒧᒪᖏᐃᐳ
ᐃᓕᓴ ᕿ ᑭᓕᑕᒻᔪᑐ
3 ᐃᓕᐱ ᐯᓴᓕᖏᑕᒧᓪᓗᓄ
ᓂᐱᐃᓕᐅ ᑲ ᓴᓕᑕᒪˣ
ᕿᔪᐱᐢ ᑲᓇᐁᓕᓂᒪᑐ
ᐁᑲ ᑭᑕ ᓴᓕᑕᒧᐳ
ᒧᐊᖅ ᐃᒪ
ᑭ ᑲ ᓇᓇᓕᓴᒥᑎᐳ

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23. ᓂᑲᒧᐳ

1 ᑲᖏᑭᔪᓂ ᐅᒪᒍᑎᓴᖅ
ᑲ ᓂᓯᐊᓕᓇᑭᖏᐅᔨᖅ
ᑭᓯᐊᓕᖅ ᐯ ᓇᑎˣ ᑭᓴᓐ
ᐊᓇ ᑲ ᑭᖏ ᑲᓕᑕᖏᒋᓯ

2 ᑭᓴᑦ ᐊᓇ ᑉ ᑭᙳ ᓂᐱᐟ
ᐅᒪᒍᑎᓯᐊᓗ· ᐅᙳᑭ
ᐁ ᑎᐸᙳᐃᕐᕃᑦᑕᒪᔪᓗ·ᐟ
ᐅ ᒪᑭᙳᑎᐃ·ᓂᓕᐊᓗ·

3 ᑭᙳ ᓂᐱᓄ ᑭᑕ ᑎᐸᙳᐊˣ
ᐊᓂᙳᐃ ᒪᑭᙳᑎᐃ·ᓇ
ᐁᑲ ᐃ·ᓴ ᑉ ᑭᙳ ᑐᑕˣ
ᒍᒃ ᐁ ᑭᓴᔪ·ᑎᓯᐟ

4 ᒪᒥᙳᑭᒪᑦᑐ ᒍ ᑲᕐ·
ᑉ ᐃᓯ ᐊᖏᙳᐃᑯᓴˣ
ᐁ ᐃᓯ ᐸᑭᑎᓂᓯᐟ
ᑭᑕ ᓂᐳᖏᑐᒍᒪᓴˣ

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24. ᓂᑲᒧᑦ

1 ᑦᐯ· ᓴᐁ·ᓕᙳᑦᑕᑯᓯᓄ·
ᒣᓱ ᐊᓴᒥᙳᐊᘐ

ᐊᓇ ᐅ ᒪᑭᐣᑎᐃᓐᓇ
ᑲ ᓴᓂᐣᑕᒧᒪᐣ

2 ᐁ ᒪᒥᔨᑌᐣᐁᐢᑲᑯ′
ᐅ′ ᐊᐢᐯᓂᒍᐃᓐᓴ
ᑭᓯᑯˣ ᒥᓇ ᐁ ᐅᐣᑭ
ᑲᕿᐢᑭᓄᐣᑕᐣᐃᐣ′

3 ᒥᓇ ᑲ ᑭᑎᒻᒪᑭᓯ′
ᐃᓐᐢᑕ ᒥᔭᓐᓂᒍ
ᐁ ᐯᓵᓐᕮᒻ′ ᑭᓵᓵ
ᒣᔨᑌᐣᐁᐢᑲᑯ′

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25. ᓂᑲᒍᓴ

1 ᐊᐁᓐᓇ ᑭᓯᑯˣ ᐁᓵ′
ᑲ ᐊᐢᐯᓂᒍᑐᑕᐊᓐᑊ
ᑭᓵ ᐱᑯ ᐅ ᒪᓂᑐ
ᑲ ᑭᑎᒻᒪᑭᓇᐃᓐᓵᓴ

2 ᓇᒪᐃᓐᓴ ᒥᓇ ᑯᑦ
ᐊᖏᕈˣ ᓂ ᐃᖅᑕᑌᓯᒧᓐ
ᕈᑦ ᒪᒥᓱᔪᑦᐊᓐᑦ
ᕈᓴ ᐱᑯ ᕈᓴᐋᓐᑎᖏ

3 ᒋᐯᓐ ᐃᓴ ᕈᖅᕈ ᖃᑲ:
ᕈᑦ ᓀᑦᑦ ᓂ ᒪᓂᔪᑦ
ᕈᖅᕈ ᕈᓱᑯˣ ᐁᑯᑌ
ᑦ ᒪᒥᖅᕈᒪᑦ ᐅᕈᕿ

4 ᓂ ᑲ ᒪᒥᓱᔪᑦᐊᓐᓄ
ᕿ ᐃᖏᑯ ᐱᒻᒪᓂᓱᓴᔪ
ᐱᓯᖏ ᕈᑦ ᕈᖅ ᐅᑎᖅᑦ
ᑦᒋᐯᓐ ᒥᔩᓐᓯᒧᐃᓐᓂˣ

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26. ᓂᑲᒧᔪ

1 ᒥᖏᑦᖅᐃ ᕈᖅ ᔪᑦᑦ ᒥᓇ
ᕈᖅ ᕈᓴᐋᓐᑎᓂᓄᓄ

ᐊᓂᑦᐃ ᑭᓴᒪᓂᐅ
ᐅ ᓂᓯᓴ ᑎᓵᐢ
2 ᑭ ᑲᐧᕆᑭᓯ ᐃᐧᓂᓇᓄᐧ
ᐃᐢᐱᒥˣ ᐅᑎᑦᑎᐢ
ᒥᓇ ᑭᓴᐊᐧᑎᓯ ᐃᐧᐣ
ᑭᑦ ᐯ ᐃᐩᑦᑦᐃᐢ
3 ᐃᐢᐱ ᑲᑦ ᐊᐧᓂᐩᕆᒪˣ
ᐁ ᑭᑦ ᑌᐢᑭᑦᑦᒋᓴˣ
ᑭᕆ ᖃᖃᐧᕆᑦᑦᒋᓴˣ
ᖃᑭᕿ ᐃᐢᓂᑕᑦ
4 ᑎᓵᐢ ᑭᑦ ᐯᒋ ᓇᐅᑦᑦᕆᐟ
ᒪᒋᐃᑦᑎᐃᐧᓇ
ᐃᐢᐱᒥˣ ᑭᑦᒋᑭᓯᓂˣ
ᕆ ᑭᑦ ᐃᐩᑦᑌᓴˣ
5 ᒋᐯᐧ ᑭᓴᐊᐧᑎᓯᐅᐣ
ᑭ ᓄ ᓂᑦᒋᐧᓂᓇᓄᐧ

▽ ᑭᑎᒪᑭᓐᓂᔭᕐᓗˣ
▽ᓂᐟ ᐊᑉᓂᐩᑎᑐᕐᓗˣ

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27. ᓂᑲᒧᐅ

1 ᐅ ᑭᕐᒪᓂᐅ ᑭᐢᐱᐅ
ᒪᑭᐃᐩᑎᐃᑉᓀ
ᒥᐢᑲᒪᓄ ᓂ ᑌᐩᐃᓐᓀˣ
ᐊᑉᕐᐃᑉᐁᑉᐱᓀ

2 ᐅᑊᐩ ᐊᑎ ᐊᑉᓂᓂᓀᓐᑭ
ᑭᐢᑭᓄᐩᑕᐩᐃᓐᓀᐅ
ᐊᑎ ᐊᓕᐅᐩᑕᐩᐃᓐᓀᐅ
ᒥᓐᒐᑉᓂᐟ ᒣᐢᑲᓀᓄ

3 ᒪᓕᐟ ᓂᓂᐩᑲᒪᐃᑉᓀᐅ
ᒧ ᐃᑉᑭᐩᐃᑐᐅᓐᓕˣ
ᐃᐢᐱᒥˣ ᐁ ᐃᑐᐩᑌᓐᓕˣ
ᒧ ᐃᑉᓇᐃᑉᑐᓐᓕˣ

28. ᓂᒃᓗᓐ

1 ᒥᓴᓐ ᑭᑎᒪᕐᓂᒥᓐ
ᐅᓯ ᑭᑎᒪᑭᓯᓐ
ᐃᑭᕐᑫ ᓂᓗ ᐊᐃᒃᐊᑦᑕᓐ
ᑭᓂᐸ ᑭᑕ ᓇᑎᑦᔅ

2 ᑭ ᐃᓕ ᐊᑦᐸᐦᑎᓂᑎᓇᓐ
ᐅ ᐊᔪᑕ ᐃᓕ ᓴᑭᐦᐃᐅᔪᓇ
ᐊᓐᑭᐃᓕ ᓴᑭᐦᐃᐅᐁᓕᓐ
ᑭᓵᔾᑕ ᔭᒻᓕᑊ ᒪᓐᒃᒥᓇᓐ

3 ᐅᐊᑦᑯ ᐅ ᐃᓕᓯ ᒥᓴᑊ
ᑭᓄ ᑭ ᓴᑭᐦᐃᐅᐁᓕᓐ
ᓂᓗ ᐊᐦᐃᓐᑯᙵ ᐸᑭᑎᓇ
ᐃᑭᕐᑫ ᐱᒻᒪᑦᓯᐃᓐ

4 ᐅ ᐸᓐᑭᑌᓯᑊ ᐃᓐᑯᑌᓂ
ᐃᓕᑯᙵ ᓴᑭᐦᐃᐅᐁᓕᓐ

ᓂᓴ ᐊᐦᐁᐦᑯᕽ ᑭᐦ ᐸᐦᑭᐦᑎᕽ
ᑭᓗᐸ ᑲᑕ ᑲᓛᐦᑯᐃᐅᓂ

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29. ᓂᑲᒪᑐ

1 ᒋᐯᓛ ᓂ ᑭᐦ ᒪᐃᑦᓗᐃᓐᑐ
ᐁᑲ ᐁ ᑭᐦ ᒋᐯᓛᐦᑕᒧᑐ
ᐁᓯ ᑭᑎᒪᑫᓗᒥᐟ
ᑭᓴᑦ ᐅᐱᒪᒪᐦᐃᐁᓛᓂ

2 ᒋᐯᓛ ᑭᐦ ᒪᖏᑲᑫᓂ ᓂ ᑌᐦ
ᒧᓴᑊ ᐁ ᐊᑕ ᐯᐦᑕᒧᑐ
ᐁ ᑭᐦ ᐃᓯ ᑭᑎᒪᐦᐃᐦᐟ
ᓂᓗ ᐁ ᐃᓛ ᐱᒪᒪᐦᐃᓯᐟ

3 ᐊᐦᐳᓇ ᐃᓛᓗ ᕿᐦᑭᐊᓛᑊ
ᐁ ᐊᑦᓗᐟ ᒪᑭᐦᑎᐃᓛᓇ
ᑲ ᑭᐦ ᐅᐦᑭ ᑲᓛᑕᐦᒋᐟ
ᒪᖏᑯᕽ ᐃ ᑭᖏᒋᖏᓛᓂᐅᐦᐟ

4 ᐱᓂ ᐊᓕᓯᓕᓂᐅᐊᓐ·
ᐁ ᑎᐸᑊᐃᐊᑫᒋᑕᒪᐊᓐ·ᓱ
ᑭ ᓇᑐᒥᑯᓇᓂ ᐃᒪᑲ
ᑲᑊᑭᓴᓂ ᑭᑕ ᓄᕐᕕᓵˣ

5 ᐁᑲᐃᐊ·ᓵ ᐃᕊ·ᓕᓐᒧᑦ
ᑭᒋᐱᑦ ᐊᐃ·ᓵᑦ ᓄᓯᓗ
ᓂ ᐃ·ᑊᓯᐊᐃ·ᑦ ᑦᐯ·ᑊᑕᑊᕊ
ᑲᑭᕊ ᑕ ᐱᐃᒪᑎᓯᓂ

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30. ᓂᕊᒧᑦ

1 ᓂ ᑭᖅᒪᓂᑐᑦ
ᑭ ᓇᓄᒋᑯᒥᒋᑎᑐᑦ
ᓇᒪ ᓂᓱ ᐊᑭ ᐱᐃᒪᑎᓯᑦ
ᑭᒋᐱᑦ ᓇᑲᓯᓵᑦ

2 ᑭ ᐊᑭ·ᖃᐅᓯᐊᐃ·ᑦ
ᓂ ᐊᑭ·ᖃᒋᑲᐃᒪᑯᑦ

ᒋᐯ· ᐃᒃᑲ ᒥᔪᓱ·ᓵᒧ
ᐊᓇ ᑲ ᐃ·ᕿᐃ·ᓐᓴ
ᑭᓴ ᐅᐦᑭ ᒥᔫ
ᐊᑦᓴᐊ·ᓴ ᐁᔭᒋᔩᐊ·ᓴ
ᒋᐯ· ᒧᔪᓱ·ᓵᒧᐦᐃᐊᐊ·ᓴ
ᑲ ᐯᐦᓯ·ᐸᒥᓀᑭᓴ
ᓂ ᒧᓀᑕᐁ·ᓵᐦᐦᑐᓄ
ᑕ ᐯᐦᓯ·ᐸᒥᒋᓄ
ᐅᓴᑦ ᓀ ᐳᔪᐊ·ᐸᒥᑎᓄ
ᐅ ᑭᓴᓀ ᐅᑎᓂᓄ

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31. ᓂᑲᒧᓄ

1 ᑭᓴᓀ ᓂᐟ ᐃᑌᓵᒧᒧᐃ·ᓄ
ᐃᓀᐱᒥˣ ᑲ ᑭᐦᐦ ᐃᑐᐦᑌᐟ
ᐃ·ᔭ ᐱᑯ ᓂ ᐄᒥᓯᓄ
ᓂᓀᑦ ᐁ ᐃ· ᐃᑐᐦᑌᐄᔭᓄ

2 ᑕᑦᑐ ᑲ ᒥᓴᓐᑎᓯᑎᑦ
ᐁᑯᑌ ᑭᑦᑦ ᐃᑐᑦᑌᐊᓐᑦ
ᐁᐊᓐᑯ ᐱᑯ ᐧᒋᑲᓇᓂ
ᐃᑌ ᑭᑕ ᒥᔪᓐᓂᒍᕽ

3 ᑭᓄᓐ ᓂᑊ ᐊᑎᑕ ᓇᑐᓄᑦ
ᐃᒃᑲ ᐁᑲ ᐁ ᒥᒋᑲᒻᒍᑦ
ᓂ ᑭᑦᑦ ᑲᑲᓐᑕᔪᓂᒍᑦ
ᐅᐃᔪᑦ ᐁ ᒪᑖᓂᐃᓐᔾᑦ

4 ᐁ ᐊᑎᑕ ᓇᓇᑭᒋᑕᒻᒍᑦ
ᐊᑦᑦᑎᑦ ᓂ ᐅᔪᑎᑦᐃᑯᑦ
ᑎᔪᒋ ᓂ ᐯᑦᑌᑦ ᐁ ᐃᑌᓛ
ᐊᒋᑕᑦ ᓂ ᐅᒪ ᐧᒋᑲᓇᓂ

5 ᐁᑲᓐ ᓂ ᒪᒪᑦᒋᑯᓯᑦ
ᑎᔪᒋ X ᐁ ᐃᓐ ᐅᑎᓂᑊ
ᐁ ᐊᑎᑕ ᒪᑖᓂᐃᓐᔾᑦ
ᐁᓂᐁᓐᙵ ᐁ ᑭᑦᑦ ᐅᑭᑦᑦᐃᑊ

32. ᓂᑲᒧᐣ

1 ᐃᐯᐧ ᒪᓪᓴ ᐅᑕᐢᑭᐊᐧᑊ
ᐃᐢᐱᒪᒥˣ ᐁᐃᓗᒪ
ᓇᒪ ᑕᑲᐣ ᐊᐩᐦᑯᓯᐣ
ᑲᑭᑫ ᑯᓯᑲᓂ

2 ᐁᑯᑕ ᑲᑭᑫ ᓂᐱᐣ
ᐁ ᐅᐃᓴᐊᐧᐢᑲᐧᐢᑭᐧ
ᓂᐱᐃᐣ ᓯᐱᒼ ᐃᓯᐩᑎᐣ
ᐁ ᑭᐱᐢᑲᑯᓗᐠˣ

3 ᐊᑲᒪˣ ᐁᑯᑕ ᐊᐃᓄᐧ
ᐅᒪ ᒪᓪᓴ ᐊᐢᑭ
ᑲᑭᑫ ᐱᐃᒪᑎᓯᐃᐣ
ᐁᑯᑕ ᐁ ᐊᐃᓴᐧ

4 ᐱᑕᓂ ᑭᐩᐩ ᐁᐧᐱᓇᒪˣ
ᑲ ᑭᐱᐢᑲᑯᓗᐠˣ

ᑭ ᐃᕐᓂᐅᓕᐊᓂᓂᓇᓄᑦ
ᐅᑉ ᐅᑦᑭ ᓄᑦᑕᒪᙵ
ᑭᑦᐱᔪᑦ ᓂᓯᑕᐊᓂᓇᒪᙵ
ᐅᒪ ᕆᔨ ᐊᑦᑭ
ᑲᑦᑭᔭᓄ ᐃᕐᓂᐅᓕᐊᓂᑦ
ᑉ ᐁᓱᐅᑦᑎᓇᓄ

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33. ᓂᑉᓕᑦ

1 ᑭᔭ ᑉ ᑎᐯᓕᑦᑕᒪᑦ
ᑭᕐᐊᓐᑎᓯᐊᓂᑦ
ᐃᒪᒪᐊᓂ ᖃᑦᖅᓕᓕᐊᓂᔭᑦ
ᑲᓇᐊᓐᕿᒥᓇᑦ

2 ᑭᔭ ᐱᑯ ᐊᐅᔭᐊᓂᓇᑦ
ᐅᑎᓂᓇᑦ ᑭᐅᑦ
ᑭᑕ ᑲᓇᐁᓂᓕᒥᔭᙵ
ᑕᑦᑎᓐᓂᓄ ᐁ ᑭᓯᑲᑦ

3 ᑭᐣᒥ ᑭᓴᐃ·ᑎᓯᐅᐅ·ᑐ
ᓂ ᒧᑦᑕᐁ·ᑦᐣᑌᑐ
ᓂᓄ: ᐁ·ᐣᒥ ᐊᓀᐣᑕᒋᓴˣ
ᑭᑕ ᓇᑐᐣᑕᒪˣ

4 ᐱᑕᓂ ᑭᐣ ᓇᑐᐣᑕᒪˣ
ᓂ ᑌᐣᐃᓵˣ ᐅᐣᒥ
ᑭᓴᑦ ᐊᐣᒥ ᐅᓯᐣᐃᓵᑐ
ᓂᓴᐃ·ᑎᓯᓴᑐ

5 ᑲ ᑲᓵᑎᓯᓴᑐ ᐊᐣᑭˣ
ᐊᓪᑦ ᓂ ᑌᐣᐃᓵˣ
ᑲᑭᓂ ᐱᒪᑎᓯᐃᐅᑐ
ᒥ ᑭᑭᓪᑲᑯᒋᓴˣ

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34. ᓂᑲᒪᑐ

1 ᐅ ᑭᓴᑢ X ᐅᑎᓂᓵᑐ
ᐅᑎᓂᓵᑐ ᑭᓴᑦ

ᑭᓗᐸ ᐱᒪᑭᐦᐃᓇᓐ
ᑫᖏᐊᓐᑎᓯᖏᑐᑦ

2 ᐊᐁᓐᓇ ᑫ ᒪᒥᓯᓴᓚ
ᒥ ᐅᑎᓂᓂᑯᓴᓚ
ᑭᓴ ᐯᒪᑭᐦᐃᐁᓐᖏᑐᑦ
ᓂᓗ ᐊᑎᐯᓗᒧᓇᓐ

3 ᐁᑯᓯ ᑲ ᑭᐦ ᐃᑌᓐᖏᑐᑦ
ᐁ ᐯ ᓇᑐᒥᓴᓚ
ᑭᖏᐱᑦ ᐊᐃᓐᖏᑦ ᓇᓯᓯ
ᓂ ᑲ ᐱᒪᑭᐦᐊᓂ

4 ᐁᑲᓐ ᐃᒃ ᓂ ᑌᐦᐃᓇᓵᓚ
ᓂ ᒧᖏᑕᐃᓐᓂᓇᓐᑐᑦ
ᑭᓴᑦ ᖁᒪᑦ ᐅᑎᓂᓇᓐ
ᒥ ᐱᒪᑭᐦᐃᓴᓚ

35. ᓂᒃᓗᓕ

1 ᓴᐅᐧᓂᓭᐦᒋᑯᓯᓂᐤ ᐊᓐ
ᒪᒋ ᐱᑭᖏᐧᐃᐧᐅᓕᓄ
ᐅᒃ ᑲ ᓀᔪᐦᐦᐠ ᒥᓀ
ᐅᒃ ᑲ ᒥᑎᒣᓱ

2 ᓴᐅᐧᓂᓭᐦᒋᑯᓯᓂᐤ ᐊᓐ
ᒣᒋ ᔪᑕᒥᓂᓱ
ᐅᒃ ᑲ ᐃᐧᖏᐊᐧᓄ ᒥᓀ
ᐅᒃ ᓂᔪᐦᐦᐊᐧᓄ

3 ᒪᖏᒪ ᓀᖅᐱᐧ ᓴᑭᐦᒋᓂ
ᒥᓂ ᐊᓴᒥᐃᐧᓄᓕᓄ
ᐃᐦᑭ ᐄᒥᑎᓂᓭᐦᐦᑦᑦ
ᐅᓴᓯᐅᐧᐃᐧᓄᓀ

4 ᒋᐱᖅᓄᐧ ᐅ ᐃᓯ ᐊᑲᓱ
ᐅ ᒥᓯᓯᓱ ᒥᖅᑎᑦ

ᑭᒃᐱᓕ ᓂᐱˣ ᐅ ᑭᒪᓗ
ᓀᒃᐱᓪ ᒥᓂᓗᐃ·ᓄ
5 ᐅᑯᓗ ᒋᐱᒃᑯᓪ ᐃᓗ
ᑭᓗᓴᐃ· ᐊᐅᓄ
ᓀᓀᑦᐅᐸᓗᓄ ᑕᑦᑭ-ᓄ
ᒥᓀ ᒥᓱ ᐊᐅᓄ
6 ᒪᑫᒪ ᐅ ᒪᓂᑐᒪ
ᒧᓴᑦ ᓴᐅ·ᓗᒥᑦ
ᐃᒃᑲ ᑲ ᒪᑭᑐᑕᑦᑭᑦ
ᑲᑕ ᐸᑦᑭᓗᓀ·ᑦ

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36. ᓂᑲᒧᑐ

1 ᑭᓵ ᑲ ᑎᐯᓗᑦᑕᒪᑐ
ᑭᓴᐊ·ᑎᓗᓗᐃ·ᑐ
ᐅ ᐃᓗ ᐊᓗᒥᓗᓱᑐ
ᑭᒃᑭᓗᑐᕆᐃ·ᑐ

2 ▽ ძᓯᑲᒪᓪᑭᐱᓕᕆᓂᒃ
σ ᒪᑭᐱᑎᐃᓕᓐᓀ
ᑲᐱᑭᓵᓄ ᐊᑎᓀᒪᐃᓕᓐᓂ
▽ᓯ ᐃᓅᐱᐃᓕᒃᓂ
3 ᒥძᓀᑲᑌᓵᐱᑕ ᒧᐃᓕᓐᓂ
▽ ᑭᐱᓀᑲძᐃᒃᓂ
▽ ᐃᓯ ᓄᓴᐃᓕᓯᓂᒃ
V ᒪᓀᑲᐃᓕᓯᐱᐃᓂ
4 ᐅᒪ ᑲ ᓄᓴᐊᓕᓵᓄ σᓵᓄ
ᐃᓕᓴᐊᓵᐱᑕᒧᒪᓂ
ᒥᓵᓂ ᓯᐯᓵᐱᑕᒧᐃᓕᓐᓂ
ᒥᓀ ᐊᓕσᓀᑲσᓂ
5 σᐱᐃᓕᓂ ᐅᑎᐱᑕᒪᓐᓄ
ᑭᓂᑦ σ ᑲ ᐯᐱᐅᓂ
ᒥᓵᓂ ᐃᓀᑲᓕᓐᓄ ᑭᑦ ᑭᐱ
ᒪᒥᓯᔪᑦᑕᑦ

37. ᓂᑲᒧᐣ

1 ᒋᐯᐧ ᐃᓴ ᒥᐅᓕᔪᓐᓇᐧ
ᑭᔨ ᐊᓵᒥᐃᐧᓇ
ᑲᓇᑕᐣ ᑯᓵᔪᐁᐧᐃᐧᓕᐣ
ᕿᕿᖏᑭᒥᑯᐅᓵᐣ

2 ᓇᒪ ᓂ ᑭᖏᕿᐊᐦᐃᑌᓇᐣ
ᑕᐦᒋᐧᓄ ᖃᑭᐦᐃᑎᐅᓵᙵ
ᐅ ᐃᑲᑌᓇᒪᐃᐧᓄᐣ
ᑭᒧᒼ ᒪᑭᐦᐃᑎᐃᐧᓕᐣ

3 ᐁᑲ ᑕ ᐄᒐᔪᐅᒥᒋᙵ
ᑲᓇᐁᐧᔪᐅᒥᓄᐣ
ᒧᐸᐠ ᑭᑕ ᓇᑭᖏᑕᒪᙵ
ᕿᑲ: ᐁ ᐄᓵᕆᙵ

4 ᐁᑯᓯ ᑕᐦᑐ ᑭᓯᑲᓄ
ᕿ ᓇᓄᖏᑯᒥᒋᙵ

ᑭ ᑲᓇᐁᓕᒥᐁᐃᓐ

ᓂᐟ ᐊᓚᐯᓕᒧᓇᐅᓐ

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38. ᓂᑲᒧᐅ

1 ᒪᓴ ᐃᓐᓯᓯᐊᓐ ᐊᙱᐅᙱᑲᓐ

ᑕᑌ ᐁᓐᙱᑎᓇᙱᑭᓐ

ᐅᒪ ᑲᑕᐊᓐᓯᓯᐃᓐ

ᐅᑭᑫ ᑭᓯᐞˣ

2 ᐅᐞ ᐃᓕᒥᓯᐃᓐᓂˣ

ᑭᙱ ᐱᐃᒪᑎᓯᐊᓐ

ᐁᑲᐧ ᐄᑲ X ᐅ ᒥᙱᐞˣ

ᐅ ᑭᙱ ᐯᙱᑭᙱᐃᙱᑭᓐ

3 ᐁᑲᐧ ᓂᕐᐃᓐᑦᑕᒣᐊᓐ

ᐅᐟ ᐊᐱᐃᓐᓂᓕᓄ

ᐅ ᑭᙱ ᐱᐃᒪᙱᐃᐞᑭᓐ

ᐃ ᐊᑐᑦᑲᐊᓐᑭᓐ

4 ᓇᒪ ᖃᑲ: ᑭᓕᒋᐊᓕ
ᑲᑭᖃ ᑭᓱᑲᓂ
ᑭ ᑭᑦᑎ ᓂᐳᖏᒋᒪᔪᓕ
ᑲᓇᐁᓕᓂᐸᑲᓕ
5 ᑲᑕ ᐸᐢᒍᒪᑦᑕᑦᐃᑲᓕ
ᒥᔪᓕᓂᒍᐃᓂᓚ
ᐅᑦᑭᑲᐊᒋᓕᐱᐃᓕᓄ ᒥᓇ
ᑲᑕ ᐅᑎᓇᒋᒪᓄ

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39. ᙭ᒪᖏ ᓂᑲᒍᓄ

1 ᒋᒪᑦ ᐁᓄᑭᕕᐊᓕ ᓂᑲᒍᒧᐊᓕᓕ
ᐁ ᑭᑦᑎ ᓄᑯᓱᐟ ᑭᔪᖏ
ᒪᓂᑐ ᒥᓇ ᐃᓕᓂᓄ
ᐅᑐᑌᒥᒥᑐᐊᓕᓕ
2 ᒪᒪᑦᒋᑯᓱᓕ ᐁᑲᓕ
ᑲᑦᑭᔭᓄ ᐃᓕᓂᑎᓐ

ᐃ·ᑭᑦᐃᐦᑲ·ᓂ ᑭᓯᑯˣ
ᑲ ᐅᐦᑭ ᓂᑲᒪᑭᑦ
3 ᓀᑲᑕᑉ ᑭᐦᑭ ᑭᓯᑦ
ᑭᑕ ᐱᒧᒪᑦᐃᐁᐢ·ᐟ
ᕿᑯᓯᔪ ᐃᓕᓂᐊᐢ·
ᑭᐦᒋ·ᑦ ᕿ ᐊ·ᓂᖏᑲᓀᐟ
4 ᐊᔪᑦᑕ ᒧᑲ ᐃ·ᓀᐃ·ᓀᔪ
ᑲ ᐊᓴᐊ·ᐸᒥᒋˣ
ᓂᐸᐦᒋ ᓂ ᑌᐦᐃᓀˣ
ᑲᐦᑭᓴᓂ ᒪᑭᐦᑎᐃ·ᔪ

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40. ᐁ ᐊᐱᓯᓯᓄᐃ· ᑭᓯᑲᑦ

1 ᑭᓴᔪ X ᑭᐦ ᐊ·ᓂᖏᑲᓂ
ᐁᑲ· ᒥᓴᐊ·ᑕᒧᑦ
ᑭᓯᑯˣ ᑲ ᐊᑦᓴᓴᑦ
ᒥᓇ ᑲᐦᑭᓴᓂ ᐊᖏᑭˣ

2 ᑭᓄ ᐊᓴᓗ ᑭᑦᑎ ᐊᓐᓂᖏᓐ
ᓂᐱᐃᓐᓄ ᓴᐋᑭᑦᑕᓐ
ᑭᓄ ᐊᓴᓗ ᑭᑦᑎ ᐅᑦᐱᖏᓐ
ᓴᐋᑦᑕᓐ ᓱᖅᑦᐊᓂᖅᓄ

3 ᐁᖅ ᖃ ᒪᑭᑦᑎᑎᔪᑦ
ᐁᓯᕆᒪᖅᐃᓐᔪᑦ
ᑭᑕ ᐅᔨᑌᒥᔪᑦ
ᖃ ᐱᒪᑭᑦᐃᐃᓯᑦ

4 ᑭᓴᑎ ᐊᓗᓚᒥ ᐊᓐᓂᖏᓐ
ᐁᖅ ᒥᓴᐊᓐᕆᒧᑦ
ᑭᓯᐁᓐᑦ ᒪᒥᑦᑭᒥˣ
ᐊᓇ ᖃ ᕿᑎᔨᖏᑫᓯ

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41. ᓯᖅᑦᐊᑦᑕᕐᐊᐃᓐ

1 ᑭᑕ ᐊᑐᑎᖅᐊᓐᓯ ᐊᓇ
ᖃ ᑭᑦ ᓂᓕᕆᑎᓐ

ᑭ᐀ ᐃᓯ ᐅᑎᓂᑎᓀᓐ
ᐅᒪ ᓂᐱ ᐅᐣᑭ

2 ᐁᑲ ᑕ ᐄᕿᑫ·ᔭᒧᒪᓐ
X ᑭᑕ ᐃ·ᖁᐊ·᐀
ᑕ ᓄᑎᓂᕿᖏᑕᒪᐊ·᐀
ᐁᑲ ᐁ ᓀᑭᓐ

3 ᑭᑕ ᒥᑎᖁᐊ·᐀ ᒥᓀ
ᐃ·ᓗ ᐅ ᖁᖏᑲᓀᓂ
ᑭᑕ ᐃᓯ ᐅᑎᓀᒪᓐ
ᑲ ᐃᓯ ᐅᑎᓀˣ

4 ᐁ ᑭᖏᕿᓀᐊ·ᑭᐣᐃᑦᙵˣ
ᑭᑕ ᑎᐯᔭᒥᖏ
ᐱᑕᓂ ᑦᐯ· ᐃ·ᖁᐊ·᐀
ᒥᐊᖅ·ᔭᒧᐃ·ᓂˣ

42. ᓯᑲᐃᐊᐃᒋᕐᓂᐊᓐᓄ

1 ᑭᑎᒪᑭᓇᕐᓂᐅ
ᐅᐱᒪᒋᑦᐃᐊᐅᐁᐅ
ᐊᐃᓗᐃᑦᑲᒃ ᐊᐊᓵᓯᓴ
ᑭᓴᐊᓵᓐᑕᐁᓵᐅ

2 ᐁᖏᓵ· ᐊᖏᑭˣ ᐊᓱᓴ
ᐅ ᑭᐃᑦ ᑕᐃᑯᓇᐃᒋᑦ·
ᑭᐃᑦ ᑭᐃᑦ ᒪᓵᓐᑕᐁᓵᐅ
ᐁ ᑭᐃᑦ ᓴᐁ·ᓄᒧᒪᓴ

3 ᐅ ᑭᓱᑦ ᐅᑎᓂᔨ
ᑕᐃᑐ ᐅ ᐯᓯᐃᑭᔨ
ᒋᐯ· ᒪᓕ ᐃᑕᑭᒪᔨ
ᐱᒧᒪᐃᔨ ᒪᓇ

4 ᓂ ᐯᓯᐊᓵᓇᓇᔨ
ᐊᐱᖏᑕᐊᓵᓯᓴᔨ

ᐅ X ᑭᑦᑭ ᓴᐁᓕᒃᑐᑦ
ᐱᒧᒪᑦᐃᑦ ᒥᓇ

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43. ᑭᑦᑭ ᐃᓱᒪᒋᑉᐃᓐ

1 ᑭᓴᒪᓂᑐ ᐅᒪ ᒥ
ᑭ ᑲᓇᒥ ᐃᓱᒪᒋᑉᐃᓐ
ᑭᓵᑦ ᑕ ᐯ ᒥᒥᓱᐊᓕᑊ
ᑲᑦᑭᓵᓂ ᑭᑊ ᐃᓕᓂᒪᑊ
2 ᒋᐯᓕ ᒥ ᑭ ᑲᓕᑕᑦᒋᑐ
ᑲᓇᒥ ᒥᑭᓱᓵᑲᑐ
ᑭᓵᑦ ᑕ ᐯ ᒥᓂᑦᕃᓕᑊ
ᑲᑦᑭᓵᓂ ᑭᑊ ᐃᓕᓂᒪᑊ
3 ᑲᓇᑌᓕᑦᒋᑲᓕᓂᓕᓂ
X ᐅ ᑎᐱᐟᑭᓄᑦᕃᓕᐃᓐ
ᒋᐯᓕ ᓴᐁᓕᑦᒋᑯᓱᓂ
ᐊᓇ ᒐᓴ ᐊᑭᑦᑕᒪᑦᐟ

4 ᐅ ᑭᓴᑦ ᐃᓄᒃᑭᓇᐱᐃᑦ
ᒋᐯ· ᒪᒪᐱᒋᑯᓯᐃᓐᓄ
ᐱᐊᒪᐱᐃᑦ ᓴᐁ·ᓕᒥᑦ
ᑭᓯ ᐃᓕᓂᒪᑦ ᐅ ᑭᓴᒃ

5 ᑭᓴᑦ ᐃᓕᓇᒪᐃ·ᓀ
ᒋᐯ· ᑭ ᑎᐱᐅᑕᒻᒡ
ᑭᑕ ᑭᐱ ᐯᐱᓄᑎᑭᓴᒡ
ᒥᓇ ᑭ ᒥᓵᒃᑲᑯᓴᒡ

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44. ᑭᐱᑭ ᐃᓯᐱᒋ·ᐃᓐ

1 ᐅ ᑲ ᑎᐯᓕᐱᑭᕐᓴᐅᓐ
ᓂ ᐃ· ᑲᓄᑭᒃᑭᓯᓀᓐ
ᑲ ᐃᓯ ᐄᑭᐱᐃᐁ·ᓴᐅᓐ
ᑯᐱᑭ ᓂᐳᒃᑕᒪᐃ·ᓴᐅᓐ
2 ᑭ ᒥᐱᑯ ᑲ ᓯᑭᓇᒪᐅᓐ
ᓂ ᑲ ᐃ·ᐱᐱ ᐯᐱᑭᐱᐃᑯᓀᓐ

ᑭᑕ ᐊᑲᓐᓇᖏᐅᑯᓗᕐᒃ
ᑭ ᑲᓗᓴᑭᒋᑎᓯᐊᓐᓄ
3 ᐅ ᑭᖏ ᑲᑲᓐᑕᑭᖏᑦᓴᓄ
ᓂ ᑌᖏᐃᓇᓇ ᐯᖏᑭᖏᑦᑦ
ᒪᑭᖏᑎᐃᓐᓄ ᐅ ᑯᓯᑲᓐᒃ
ᑲᖏᑭᓴᓂ ᒥᓇ ᐅᑎᓇ
4 ᐁᑲᐃᓐᓴ ᑲ ᐃᓗᓴᑕᒃ
ᓂ ᑲ ᑎᐯᓵᒥᑯᓇᓄ
ᓂ ᑌᖏᐃᓇᒃ ᐸᑭᑎᓇ
ᑭ ᒥᔪᓐᓕᓵᒥᖏᖖᐃᓐᓄ

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45. ᑭᖏᑭ ᐃᓯᖏᑦᓐᐃᓐᓄ

1 ᐅ ᑭᖏ ᐃᓯ ᓯᖏᑭᒥᓴᓄ
ᐁ ᑕᐸᖏᑌᓵᒥ ᓯᓗᓴᓄ
ᓂ ᐃᓐ ᑲᕐᓐ ᑎᐱᑐᑌᓄ
ᑭᑕ ᑭᓐᑭᓯᑐᑦᑦᓄ

2 ᑭᓗᓂ ᑲ ᑭᑦᑦ ᐱᑯᓇᒥˣ
ᓂ ᑲ ᐃ· ᐁᐸᒥᑦᐃᑯᑦ
ᐅᒪ ᒥᓇ ᒥᓂᑦᑲ·ᑲᑦ
ᑭᑦ ᑭᖏᑭᓯᑦᑦᑦ
3 ᐁ ᐃᒪᒥᑐᓂᐳᑦᑦᑦᑕᒪᑦ
ᑲ ᑭᑦᑦ ᓂᐳᖏᑕᒪᐃ·ᓴᑦ
ᒥᓴᖏ ᓄᐱᐃᒪᑦᑦᐃᐁ·ᑦ
ᑭ ᐃ· ᑭᖏᑭᓯᑦᑦᑕᑎᑦ
4 ᐁᑦᑦ ᐁᖏᑲ· ᐱᐃᒪᑎᓯᐃᓴᑦ
ᓂ ᑲ ᐃ· ᑦᐯ· ᒧᓯᑦᑦᑦ
ᑭ ᑭᑦᑦ ᓱᑭᑦᑦᐃᐁ·ᐃ·ᑐ
ᑭᑦ ᑭᖏᑭᓯᑦᑦᑦ
5 ᐃᖏᐱ ᐃᒪᑲ ᐅᑦᑕᒪᓂ
ᐃᑦ ᑭᑦ ᓇᑲᑦᕈᑦ
ᑲᑦᑭᓴᓂ ᐊᖏᑭˣ ᑲ ᐊᐃᓵ
ᐁᑲ· ᑭᖏᑭᓯᑦᑦᐃᑐ

46. ᐊᔨᓕᑦᐃᐃᐅᐃᓐ

1 ᑲᑕ ᒪᒥᑦᑭᒪᓂ ᐁᑲ·
ᑭ ᒪᓂᓐᒥᓕᓂ
ᐅᒪ ᑭᑦᑭ ᐃᓱᑦᒋ·ᐃᓐ
ᐁ ᐊᓵ·ᐸᑦᑎᓕᓪᑕᙵ

2 ᐊᑲ ᑭᑦ ᐊᓱᑕᒋᒪᕐᓴᙵ
ᒥᑐᓂᓕᑦᑕᑦᒋᑦ
ᑭᑕ ᐃ· ᐊᔨᓕᑦᒋᓴᙵ
ᕿᑦᑭᐊᓵ·ᑦ ᑭᓴᓂᓂᓂ

3 ᒪᒋ ᐃᓱᑦᑭᕿᐃ·ᓂ
ᑭᑕ ᐁ·ᐱᓂᒪᙵ
ᒪᒋ ᐊᑲᐊᓵ·ᑕᒧᐃᓐ
ᑭᑕ ᐊᓂᓵ·ᑦᑕᒪᙵ

4 ᒥᓱᐁ· ᐊᓴᒥᑦᐊᐃᓐ
ᑭᑕ ᒋᐯ·ᑦᑕᒪᙵ

ᒥᓯᐁ· ᐱᐃᒪᑎᓯᐃᓐ
ᑭᑕ ᐃ· ᐊᑦᓴᓵˣ
ᒥᑎᒥᓇᐃᒪ·ᑕ ᐃ·ᓴ
ᐅᓴᓯᐁ·ᐃ·ᓇ
ᐃ·ᑊᑊ ᑐᑕᐃᒪ·ᑕ ᐃᓕᑯˣ
ᕿ ᐱᐃᒪᑎᓯᓴˣ

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47. ᐁᓇᑊᐃᓂᑊᑭᑊ ᐅᓂᐱᐊᑦᑊ

1 ᑯᓐᓂˣ ᑲ ᒪᐃ·ᑊᑲᑕᑊᑯᑊ
ᑭ ᑐᑌᒥᓇᐊᑦᑊ
ᑎᓴᑦ ᑲ ᑭᑊᑊ ᐯ ᓇᑐᐃᒪ′
ᑭᑕ ᐃ·ᕿᐃ·ᑯ′
2 ᑯᓐᓂᑊᑭ ᒥᓇ ᓂᐱᐃᓐ
ᑲᓄᓴᑭᑊᐃᑯᓴˣ
ᐁᐊ·ᕿ·ᓕᓂ ᐅᒪ ᑎᓴᑦ
ᐅ ᓇᑐᑊᕿᒧᐃᓐ

3 ᒋᓂˣ ᒥᓇ ᓱᑲ·ᑦᐊᔪᑦᑲᔪ
ᑭ ᓴᑭᑦᐃᐃᑯᓂˣ
ᐁᑯ ᑐᐃ·ˣ ᐃ·ᓴᓂ ᑭᓴᑦ
ᑭ ᑭᑦ ᓇᑦᐃᐅᓇᒪᑦᐟ
4 ᐁᑯᑕ ᑭᑦ ᐅᑦᑭ ᕿᑦᐱᓂ
ᒥᓇ ᐁ ᐊ·ᓂᑦᑲᐟ
ᕈ ᑭᑦ ᓂᑲᓂᑦᒋᑯᓇᓂ
ᐃᑦᐱᒥᓂˣ ᕈᓗᑯˣ
5 ᕈᓴᑕ ᒧᓇ ᑕ ᐯᑦᒋᑲ·ᑐ
ᓀᓗᐁ·ᑊ ᐱᐱᑲ·ᑐ
ᑯᑦᑯᑦᑲᑊ ᐊᒋᒥˣ ᐊᑦᑭˣ
ᑭᓴᐊᔨ·ᓂ ᐁᓴᔪᑊ

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48. ᐁ ᓇᑦᐃᓂᑦᑭᑊ ᐅᓂᐱᐊᑦᑊ

1 ᒧᒪᑦ ᒋᓂᒋᑭᑊ ᕈᓗᑯˣ
ᑭ ᒥᔭ ᓂᐱᓗᐟ

ᓄᓇᕗᑦ ᑕᕐᓂᓯᖅᑐᑌᐊᕐᓗ
∇ ᑕᕐᓂ ᓂᐱᓕᓴᖅ
2 ᑭᓱᓇ ∇ ᐊᑎᑎ ᓂᐯᖅᓯᒋᖅ
ᑕᕐᓂ ᐊᒋᔭᓕᐊᕐ
ᑲᖅᑭᔭᓄ ᒪᑎ ᖃᑲᓕᖅ
∇ ᓄᑲᑕᑕᓕᖅ
3 ᑲᖅᑭᔭᓄ ᐊᒋᓕᑕᓵᐊᓐᓄ
ᐅᑕ ᓄᑲᑕᒪᓐᓇ
ᒪᓂᕐᐊᕐ ∇ ᓄᑦᑕᑭᓇ
ᑭ ᐊᑐᓇᑲᐊᕐᑭᓇ

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49. ∇ ᓄᖅᐃᓂᖅᑭᓇ ᐅᓂᐱᐊᕐᓗ

1 ∇ ᐊᕐᓴᖅᑕᒪˣ ᓂᐱᐃᓐᓄ
ᐃᒪᖅᑎ ᑲᖃᕐ ᑭᒥᓵᑦᑦᓇ
ᓂᔭ ᑭ ᓂ ᑲᕐᔪᑎᓵᓄ
ᑭᑦ ᓄᑲᑦᒪᓐ ᐊᓀᑭ

2 ᐃᒡᐱ ᐅᒪ ᓂ ᔪᐦᔪᕆᐃᓐ
ᑲ ᐃᓯ ᒋᐯᐧ ᓄᔪᐊᐧˣ
ᐊᑎ ᑭᐱᐦᑭᔨᑫ
ᓂᐱᐃᓐ ᓂ ᑲ ᐅᑎᐦᑌᓐ
3 ᓂ ᑲ ᓇᑲᑌᓐ ᑲᐦᑭᔭᓄ
ᐅᑕ ᑲ ᑭᐦ ᓴᑭᐦᒋᓴᓐ
ᑭᑕ ᐅᐦᑎᒃᑲᐃᓗᒃᐊᐧᓵ
ᐊᓇ ᕿ ᐅᔭᓯᐊᐧᓯᐟ
4 ᓂ ᑲ ᒥ ᐃᒃ ᐯᐦᑕᐊᐧᓄ
ᑭᑕ ᐃᓯᐟ ᐊᐊᐧᓯᑌ
ᒪᒥ ᐊᐦᐁᐦᑲᐧ ᐃᐧᕃᐃᐧᓵ
ᓇᓄᐦᑲᑌᓭᒧᐃᐧᓂˣ
5 ᓇᐊᐧᐨ ᐃᑎᐦᑕᐊᐧᓵ ᐊᒋᑦ
ᑲ ᓴᐁᐧᓭᐦᒋᑯᓯᔭᓐ
ᐊᐅᔭ ᐃᒡᐱᒥˣ ᑭᓯᓄˣ
ᑲᑭᕕ ᒥ ᔪᐧᓭᒧᐃᓐ

50. ᐁ ᐊᓴᒥᐦᐁᑭᓂᑲ

1 ᑭ′ ᐊᑐᖏᐃᐧᓂᓇᐊᐧ
ᐁᑲᐧ ᑭᓵᑦ ᐁᐧᐱᓇᐦᑦᑦ
ᑎᓴᑦ ᑲ ᐃᐧᐦᑦᒪᔪᓴˣ
ᐁᑲᐧ ᑲᖏᐧ ᐅᑎᓇᐦᑦᑦ

2 ᑭ ᓂᓯᐦᐦᑲᒪᖏᐃᐧᓇ
ᑦᐦᑭ ᓂ ᑲ ᒪᒥᓯᓀᑐ
ᒧᓴᑦ ᓂ ᑲ ᑦᐯᐧᐦᐦᑌᓀᑐ
ᑭ ᑭᐦᑭ ᐃᓀᐦᐦᐃᐁᐧᐃᐧᑐ

3 ᐱᑕᓂ ᑭᐦ ᑯᐧᐧᐸᐦᑦᒪᑐ
ᐊᓄᐦᒼ ᑭ ᐃᓀᐦᐦᐃᐁᐧᐃᐧᑐ
ᑲᐦᑭᓴᓄᐧ ᓂ ᒪᑭᐦᐦᑎᐃᐧᑐ
ᐁ ᐳᓗᓯᐦᑦᒪᒪᐃᐧᓴᑐ

4 ᑦᐯᐧ ᑭ ᑭᓴᑯᐧᐧᑎᓀᑐ
ᐁᑲ ᐁ ᑭᓀᑯᐧᐦᐦᐃᐁᑦᑐ

ᐁᑲ· ᐃᒃ ᓂ ᐃ· ᓱᑌᓗ
ᑲ ᑭᐩᐊᓪᒪᐃᓕᔭᓗ

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51. ᐊᐊ·ᓯᓯ ᓂᑲᒧᓗ

1 ᒪᓐ ᒥᔪ·ᔨᒧᐃᐃ·ᓗ
ᐋᑦ·ᐩᐩᔭᓄ ᐊᖏᑭˣ
ᐅᑲᓱᑎᓯᐊ·ᑊ
ᐁ ᐊᑦᔭᒪᑊ
ᐃᒪᐩ ᑲ ᓂᑲᒧᒪᑊ
ᐁ ᒥᔦᐩᖏᑯᓯᒪᑊ
ᐅᐱᐃᒪᑭᐩᐃᐁ·ᓄ
ᒪᒥᐩᑭᐃᓄ

2 ᐯ ᓱᑕᒧᑊ ᐅᒪ
ᒥᔦ ᐊᖏᑭ
ᖃᓄˣ ᑲ ᐊᔭᔪᑊ
ᐁ ᐯᐩᐅᔪᑊ

ᐁᑯᑕ ᕿ ᐊᓴᑦ
ᑭᐯ· ᒪᕋ·ᓕᒧᐃᐅ·ᓄ
ᑲ ᑎᐯᓕᑦᑭᕿᓗ
ᐁ ᐃ·ᕿᐊᑯ·ˣ

3 ᑲᑦᑭᔪᓂ ᐁᑯᑕ
ᑲ ᐊᓴᑭᑦ
ᑲᓀᐁ·ᓕᒪᒃ·ᑦ
ᑯᑦᑭᐃᓂᓀ
ᑭᑦᑭᔭᒪᑦ ᐃᒃ
ᑭᑕ ᑭᑦ ᐅᑎᑦᕈᒪˣ
ᐃᔭᐱᒪˣ ᑲ ᐊᓴᑦ
ᑭᑦᓱᓕᓂᐃᓄ

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52. ᐊᐊ·ᓯᓗ ᓂᒃᒧᓄ

1 ᐱᕈᓂ ᑭᑦ ᐃ·ᕿᐊ·ᑭᑦ
ᐃᔭᐱᒪˣ ᐅᓄᓱᕆᐊᑦ

σ^ϹϷ ϷϹ ΔϷᑦᐅᒧᓕᓐ
ᑲ ᐊᓗϷᑦᐅᒧϷᑦᑦ
Ϸᓴᑦ ᓄᐱᒪϷᑦᑦΔ∇·ᑦ
ϷϹ Ϸᑦᑦ ᐊᑦ·ᐸᒪᑦ
ᒥᓀ ϷϹ ᓀᓭᑦᑯᒪᑦ
ᒥᔪ·ᓗᒍΔ·σˣ
2 ∇ᑯϹ ᓀᒪ Δ·ᑦᑦᑲ⁻
σ ᑲ ᐊᔪᑦᑯᓗᓐ
ᓀᒪ Δ·ᑦᑦᑲ⁻ σ ᑲ ᐃᓐ
ᓀᒪ ٩ᑲ: σ ᑲ ᑯᑦᑐᓐ
σ ᑲ ᑲᓀ∇·ᓗᒥᑦ
ᑭᓴᑦ ∨ᐃᒪᑦᑦΔ′
σ ᑲ Δ·ᑭᑦᑦΔᐊᑦ·ᓐ ᐃᒃ
∇ ᓭσᑲᒃᒧᑦᑕᑦᑦ′
3 σ ᑭᑦ٩ᓗᑦᑦᑐᓐ ᑦᐯ·
∇ ᓄᓴΔ·ᓂᔨᓐ

ᐃᒃ ᒥᐦᑫ᙮ ᐊᐃᓂᓕᓴ᙮
ᑕᓴᐢ ᐱᐃᒪᑦᐦᐅᓂ
ᓂᓗ ᒥᓇ ᓂᐱᐃᓗᓂ
ᐅ ᑕᓴᐢ ᐅᑎᓂᓐ
ᐅᓐᑭᕕᐊᓴ ᐯ ᐃᑎᓴᑦᐦᐅᓴ
ᑦ ᓭᐯᓂᑦᑕᐦᐃᑭᓴ

4 ᐁᑯᑦ ᐃᒃ ᐃᐢᐱᒥˣ
ᓂ ᒃ ᐃᓂᕆᐃᓂᐊᓂ᙮
ᓂᐢᑦ ᑭᑦ ᐃᓭᐦᐅᐃᓗᓐ
ᐡ ᐊᐳᓭᐦᐅᑭᓴ᙮
ᑕᓴᐢ ᓄᐱᐃᒪᑦᐦᐃᐁᐧᑦ
ᑭᑦ ᑭᐦᐦ ᐋᓂᐸᒪᓵ
ᒥᓇ ᑭᑦ ᓀᓀᐢᑯᒪᓵ
ᒥᔪᓂᐅᒧᐃᓂᓂˣ

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53. ᓂᑲᒧᐃᐧ

1 ᑭᓯᐊᔪᓗ ᓂ ᒪᓂᐅᑦ
ᑭᓯᐊᔪᓗ ᑭᖅ
ᐁ ᐊᔪᑦ ᐊᓕᒪᕽ
ᐁᔪᙱᐱᓂᓄᐃᖅᐧ
ᑭᐃᖅᑦ ᓂ ᓂᑲᒧᐃᐧ
ᑭᓯᐊᔪᓗ ᓂ ᒪᓂᐅᑦ
ᑭᓯᐊᔪᓗ ᑭᖅ
2 ᐁ ᐊᔪᓂᓯᓂᐃᖅᐧ
ᐸᙱᑭᓯᒧᐃᐧ
ᐁ ᑎᐱᐢᑭᖏᐃᖅᐧ
ᓂᓗ ᐊᐸᔪᐱᐧ
ᓂ ᑲ ᐃᔨᐸᙱᑌᐧ
ᐁ ᐯᐃᔪᐸᒥᔨᐧ
ᑭᓯᐊᔪᓗ ᓂ ᒪᓂᐅᑦ
ᑭᓯᐊᔪᓗ ᑭᖅ

3 ᑭᓴᑦ ᓂ ᐊᒃᑲᓇᓄ
ᑲᑦ ᓄᑲᓐ
ᑭᓯᑯˣ ᐁ ᐃᓯ
ᐸᔭᐦᑌᒍᑦ
ᐁᑐᔨᐊᑦ ᐃᒃᐱᒥˣ
ᑭᒃᑭᓄᐦᑕᐦᐃᑭᑦ
ᑭᓯᐊᓐᑦ ᓂ ᒪᓂᑐᑦ
ᑭᓯᐊᔪᑦ ᑭᔭ
4 ᐁᑲ ᓂᕆᔨᔭᓄ
ᑭᔭ ᒥᓇ
ᑭ ᓱᓀᑯᒥᑕᑎᓐ
ᐯᒪᑭᐦᐃᐃᔭᓐ
ᐁ ᐊᔨᔪᒥᓯᔨᓐ
ᑭ ᐯᓴᓐᔪᒥᑕᑎᓐ
ᑭᓯᐊᔪᑦ ᓂ ᒪᓂᑐᑦ
ᑭᓯᐊᔪᑦ ᑭᔭ

5 ▽ ᒥᓴᐊᓱᑦᑕᒧᑦ
ᑭᓯᐢ ᐅᐦᑭ
ᓂ ᐊᓱᓂᑭᑭᓯᓐ
ᐅᒪ ᐊᖏᑭ
ᑭᓵᑦ ᓂ ᓂᑲᒧᑦ
ᐁᐊᑎ ᓱᑎᑯᐢ
ᑭᓯᐊᓱᐢ ᓂ ᒪᓂᑐᑦ
ᑭᓯᐊᓱᐢ ᑭᓴ

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54. ᓂᑲᒧᑦ

1 ᑯᐯᐧ ᑭ ᓇᓵᖏᑦᓕᒥᑎᑐᓄᑦ
ᑭᓴ ᓄᐱᒪᒥᐦᐃᐁᐧᑦ
ᑲ ᑭᖏᑫᓴᐦᐦᑕᒧᐦᐃᐁᓴᑦ
ᐁ ᑭᑎᒪᒋᑭᓇᐃᐧᓴᑦ
ᑭ ᓇᓵᖏᑦᓕᒥᑎᑐᓄᑦ
ᑲ ᑭᒥ ᐯ ᐱᒪᒥᐦᐃᐁᓴᑦ

ᑭ ᑭᑦ ᑭᒃᑭᓂᐊᒪᓕᐃᓐᓄ
ᑭᑦ ᑭᑦ ᑭᒃᑫᓗᒥᒋᓄ
ᑭ ᓇᓴᒃᑯᒥᑎᓄ
∇ ᑭᑦ ᐯ ᐱᐊᒪᑦᐃᓘᓄ
2 ᑭ ᐸᑭᑌᓗᑦᑕᐊᒪᓄ
ᑭᑦ ᑭᒃᑯᓂᑦᑕᑦᐃᓘᓄ
ᑕᑦᑭ ᐊᒃ ᐯ ᐃ·ᕂᐃ·ᓄ
ᑭᑦ ᐱᒥᑎᓴᑦᐅᒋᓄ
3 ∇ᒃ· ᐊᒃ ᓂ ᒥᑎᒥᓄ
ᐊᓇ ᕆ ᑲᓇ∇·ᓗᒥᐟ
ᐃ·ᑭᑦᐃᓄ ᐊᒃ ᐅ ᑭᓴᑐ
∇ᒃ ᑕ ᐸᑭᑎᓂᒋᓄ
4 ᐃᒃᑯ ᐯᐊᑎᓯᐊᑯ·ᓂ
ᕆᓗᐱ⁻ ᑲᓇ∇·ᓗᒥᓄ
ᐃᒃᑲ·ᓴ⁻ ᐊᒃ ᐅᑎᓂᓄ
ᐃᑦ ᑭᓴ ᑲ ᐊᓗᓴᓄ

55. ᓂᑲᒧᓄ

1 ᐯ ᐃᔨᐦᑌᓵ ᑲᐦᑭᓴᓂ ᑎᓭᐯᐧᐦᑕᒣᓵ
ᐯ ᐊᐧᐸᒥˣ ᐅᐱᒪᒋᐦᐃᐁᐧᓂ
ᐊᓕᓯᓕᓂˣ ᑭᐦ ᐃᓯ ᓂᐦᑦᐃᐧᑭᓂ
ᐁᑲ· ᒪᒥᐦᑭᒋᒐᓵ
ᑭᓴᑦ X

2 ᑦᐯ· ᒪᓂᑐ ᑦᐯ· ᒪᓂᑦˣ ᐅᐦᑭ
ᐁᑲ ᑲ ᐊᑦᐁᐧᓕᒥᔭᓴˣ
ᑭᐦ ᓄᐧᔨᓂ ᑭᑕ ᐱᒋᒋᐦᐃᐧᔨᓴˣ
ᐁᑲ· ᒪᒥᐦᑭᒋᒐᓵ
ᑭᓴᑦ X

3 ᓂᑲᒧᓵ ᑭᓴᐊᐧᓂ ᐅᐱᒋᒋᐦᐅᐊᐧᓵ
ᒥᓇ ᐁᑐᑭᕮᐊᓵ ᑭᐦᑭ ᑭᔨᔨᔭ
ᒪᒥᐦᑭᒥˣ ᐄᐊᐧ·ᒻ ᐁᐢᐯᓕᐦᐦᑦᔨᔨᐟ
ᐁᑲ· ᒪᒥᐦᑭᒋᒐᓵ
ᑭᓴᑦ X

4 ᐃᒪᒪᐃ· ᓂᑲᒧᓕᕆᔨ·ᑉᑐ ᑭᓴᓐ
ᐃᒪᒪᐃ· ᑲ ᑎᐯᓗᒥᓕᔪˣ
ᐊᑐᓗᓗᓂˣ ᑭᐣ ᐃᓗ ᓂᐣᑉᐃ·ᑭᓂ ·
ᐁᑲ· ᒪᒥᐣᑭᒧᑦᑦ
ᑭᓴᓐ X

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56. ᓂᑲᒧᑐ

1 ᐃᐣᕆᑲ·ᑐ ᐁ ᒥᐅᓴ·ᓗᑦ ᐊᓐᑭ
ᕆ·ᐣᓴᓂ ᐅᐣᑭ ᑭ ᕆ·ᐸᐣᑌᓇᓂ
ᑯᐣᑉᐃ·ᓇᓂ ᐯᐣᐅ ᐁᑯᑌ
ᐁ ᑲ·ᐅᓴᑭᐣᑉᑉˣ ᐃᐣᑉᐃ·ᑐ
ᐁᑯᑌ ᐸᑎᓰᒪ
ᑲ ᓇᑭᓐᑲᑐᐅᓇᓂ ᒥᓇ ᐸᑎᓰᒪ
ᐁᑯᑌ ᐸᑎᓰᒪ
ᑲ ᓇᑭᓐᑲᑐᐅᓇᓂ ᒥᓇ

2 ᑲ ᐃ·ᒋ ᓂᑲᒧᐃᓇᐊ·ᑦ
ᐊᐸᑦ ᑲ ᒥᔪ·ᓄᒧᒋᑦ
ᓇᒪ ᐃ·ᙵᑲ᙮ ᒥᓇ ᐯᑯᑌ
ᑭ ᑲ ᓇᓂᙵᑲᑌᓄᒧᓇᐅ

3 ᑯᙵᑦᐃ·ᓇᐅ ᐃᐟᐱᒥˣ ᐯᐅᓵᑦ
ᑲᑭᕐᕃ ᑲ ᒪᒥᙵᑭᐃᓇᐅ
ᐅ ᑭᔪᐊ·ᑎᓯᐃ·ᔭ ᐯᐅᓵᑦ
ᐊᓄᙵ᙮ ᖁᑲ·᙮ ᒥᓇ ᕿᑎᑦᒪ

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57. ᓂᑲᒧᔭ

1 ᑭ ᑲ ᓇᑭᐟᑲᔪᓇᐅ ᑭ
ᐊᑲᒥˣ ᓂᐳᐃ·ᓂˣ
ᐃᑕ ᑲᑭᕐ ᐊᐸ·ᔪᐅᓵˣ
ᒥᔪ·ᓄᒧᐃᔭ ᐯᐅᓵᑦ
ᑲ ᓇᑭᐟᑲᔪᓇᐅ
ᑲ ᓇᑭᐟᑲᔪᓇᐅ

ᑭ ᑲ ᓇᑭᓵᑲᔨᓇᓂ ᑕ
ᐊᐧᑲᒥˣ ᓂ>Δ·ᓂˣ
2 ᑭ ᑲ ᓇᑭᓵᑲᔨᓇᓂ ᑕ
ᑭᑊᑊ ᐅᑎᑊᑕᑊᐊᒪᑊᑯ
ᐊᓂᒪ ᒥᔪ ᑲᐸᐧΔ·ᔭ
ᐁᐧᑲ ᕐ ᓇᑲᕈᒪˣ
3 ᑭ ᑲ ᓇᑭᓵᑲᔨᓇᓂ ᑕ
ᒪᓂᔭ ΔᑊᐧᐦΔ·ᓂˣ
ᒪᓂᔭ ᐅᓭᑊᑭᑲᓇ
ᕐ ᒪᓵᑲᓵᐊᐱᓭᓇˣ
4 Δᐸ ᐧᐯ· ᓂᑲᒧΔ·ᔭ
ᐁᕐᓀᓗᐧ ᕐ ᐯᑊᐸᒪˣ
ᐁ ᐃᒪΔ·ᑊᐧᑯᑯᐱᑭᐧ
ᐧᑲ ᑭᑊ ᐱᐃᒪᑊᑊΔᑊᑭᐧ
5 ᑲ ᓇᑭᓵᑲᐊ·ᓇᐊ·ᐧ ᑕ
ᐧᑲ ᑭᑊ ᐊ·ᓂᑊᐊᓗᑊᑯᐧ

ᑲ ᓇᑐᑦᑕᑯᓂᓇᐊᓵ ᑭ
ᒥᓇ ᑯᓂᐸᑦᑐᖏᑦᑯ

6 ᑭ ᑲ ᓇᑭᔅᑲᑯᓂᓇᓂ ᑭ
X ᐅᐱᒧᒥᑦᐃᐁᓵ
ᑭ ᑲ ᑭᔅᑫᐳᒋᓇᓂ ᑭ
ᐯ ᓇᑐᒥᑯᖏᑦᑯ

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58. ᓂᑲᒧᑐ

1 ᖃᕗᐅᓴᕐᕕᑦ ᐃᔅᐱᒪᒥᕽ
ᑲ ᒥᔪᓵᑐᑦᑕᑲᓵᕽ
ᖃᑐᓂᐳᑦᑕᒋᓂᓂ
ᐃᓴᑲᔅᑭᓂᓂ ᓂ ᑌᑦ
ᓇᒪ ᓂ ᑭᔅᑫᐳᑦᑌᑐ
ᒥᔪᓵᑐᒧᐃᐃᓵᓇ
ᒥᓇ ᑭᑦᖏᒧᐳᐃᓵᐃᓵᑐ
ᑲ ᑯᓵᓴᔅᑲᑯᐸᑐ

2 ᓂᐸᐃᓐᐊᓕ ᓴᓗᓂˣ
ᐁ ᓇᓂᑲᒧᒪᑉ
ᐊᓐᓴᖏᒪᓕ ᐁᑐᒥᕕᐊᑉ
ᐅᑦᑭᓇᒋᑲᓇᑉ
ᑲ ᑎᐯᓗᒥᑯᒪᑉ
ᑭᓯᑲᓇᒪᑲᓕᑦ
ᐅᐟ ᐃᑦᒋᐃᓐᓂᐊᓐᐊᓐ
ᒥᑦᓴᓐᓯᓂᓗᐊᓐ

3 ᐁᑯᑕ ᓇᒪᐃᓐᓗ
ᖃᑲ : ᐊᓐᓀᑦᐃᐁᓐᓄ
ᐯᑦᒋᑲᓐᑐ ᓂᑲᒧᐃᓐᑐ
ᒋᐯᓐ ᒣᓭᑦᒋᑲᓐˣ
ᑕᑦᑐ ᑲ ᓴᑯᑦᒋᓐᑭᑦ
ᐁᑯᑕ ᑲᑭᖃ
ᐁᑲᓐ ᐊᓐᐱᖏᑦᐅᐊᓐᐟ
ᒥᕋᓐᓀᒧᐃᓐᓂˣ

59. ᓂᑲᒧᐃ

1 ᒧᓴᐣ ᑕ ᐃᓕᓐᓇᐊᓕ
ᑲ ᑎᐯᓗᐦᑭᓐᓀᐣ
ᐁᐊᓕᑯ ᐱᒧᑎᓯᐃᓕᓄ
ᐁᑲ ᓂᐳᒪᑲˣ
ᐅᑕ ᐃᓕᓴ ᐊᓀᓀˣ
ᓇᒪ ᓂ ᐊᑭᓕᐦᑌᓄ
ᑕᐦᑐ ᑎᐱᓀᑲᓂ ᐁᓗᐁᓕˣ
ᓀᓯᐊᑭᓕ ᓄᑎᐦᑌᓄ

2 ᓄᐦᑦᑭ ᓀᓕ ᐃᐦᑦᑭᐃᓕ
ᐃᓀᐱᒥˣ ᑲ ᐊᑲᓕ
ᐊᑭᓀᑲᓂ ᓂ ᑭᐯᓕᐦᑕᒧᐃᓕ
ᐊᑭᓕᐦᑕᒧᒪᒪᑲᓄ

3 ᑭᐯᓕ ᓂᓚ ᐊᐦᐦᑎᐦᐦᑯˣ
ᓂ ᒧᓀᑕᐁᓕᓗᐦᑌᓄ

ᐅ ᒥᔪᓐᓂᒍᐃᓐᓂᑯᓗᒃᑐᓄᑦ
ᐅᑲᓴᒥᖏᐅᑯᓐᓄᑦ
4 ᒍᓱᑦ ᑕ ᐃᓐᖁᑯᓐᓄᑦ
ᑲ ᑎᐯᓂᖏᓕᕐᓂᖅ
ᓄᖏᒋᐊᓕ ᑎᐱᔪᓂᖏᓐᓇᐃᓐᓄᑦ
ᑭᓴ ᑭᓂ ᐃᑌᓐᐃᓐᓄᑦ

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60. ᓂᑲᒍᑦ

1 ᐁᓂᐊᖏᕐᖁᓐᓂᒍᑦ
ᐁᓴᒥᖏᓯᔪᔪᓄᑦ
ᑲ ᓂᑲᓂᓂᑦ ᒥᔪᑎ
ᐱᒥᑎᔪᖏᐅˣ
X ᐃᓐᓴ ᑭᖏ ᐃᓐᖏᕐᕕ
ᑕ ᓂᑲᓄᖏᒋᕕˣ
ᖃᑲ: ᖃ ᐊᑎᕐᒪˣ
ᑭ ᐃᓐᖁᐊᓄᐅ

2 ᑲᑕ ᑕᐸᓯᐊᐧᐣ
ᑭ ᑯᓀᒋᓴᑦᑯᐣ
ᑭᑦᑭᓀᑕᒧᐣ ᐃᒪᑲ
ᐱᐃᒪᑎᓯᐅᐧᐣ
ᑲᑕ ᐅᐧ ᐯᑦᒋᑲᐧᓄ
ᐁ ᓂᑲᒧᓴᓕᓴˣ
ᐁ ᒪᒥᑦᑭᐃᒪᓴˣ
ᑭ ᓐᑕᐃᒪᑕˣ
3 ᑭ ᐱᒧᑦᒋᑌᓐᓂ
ᐅᑕ ᐅᐧᓀᒋᐊᐧᓂ
ᑭ ᑭᑦ ᐱᒧᑦᑌᑭᐣ
ᐯᐃᒪᑦᐅᑦᑭᐣ
ᑭ ᐅᐧᕽᑯᓐᐊᐧᐣ
ᒥᓀ ᑲᑦᑭᓴᓂ
ᐅᒋᐯᐧᑦᑕᒧᐊᐧᐣ
ᒥᓯᐁᐧᓀᑲᒥᐣ

4 ᐱᓂ ᖃᑲ: ᐅᑕ
ᑕ ᓄᖏᑐᐸᓗᓂ
ᑲ ᐃᑕᓀᐢ ᑭᓴᓀ
ᑲᑭᖃᖅ ᐊᐅᓴᓂ
ᐱᒧᒪᖏᐃᐁᐦᐃᓐ
ᑲ ᑭᖏ ᑭᓯᖏᐢ
ᐃᓀᓂ ᖃᐱᑦᑕᐊᓚ
ᑲᑕ ᐃᖏᑕᑲᓐ
5 ᒪᖏᑭᓀᒧᑦ ᐃᒪᑲ
ᐯ ᐃᐦᖃᐃᐦᓯᓐ
ᐊᓕᓯᓕᓂᑎᑦ
ᒥᓯᐁᐦᑲᒥᑦ
ᓂᑲᒧᐢ ᐁᑲᐦ
X ᒪᒥᖏᑭᒧᐢ
ᐃᓀᐱᒥᙵ ᐁᐅᑭᑦ
ᐃᐦᖃᖏᐊᐢᓂᑦ

61. σbJᑭ.

1 ḃ σ>ᒋᑕL△·ᓗᑭ
ᑭ b ᓱᑦᒍJᒋᑦᑎᑭ
ᑭᐅᑦ ᑭᓗ ᑭ ᒥᑦᑯ
σ b ᑭᒋᒋᑎσᑯᑭ
σ LᒥΔᑦᑎΔ·ᓭ
ᑕ ∇·ΛσḃUᑭ

2 ᓭL σ b bᒋᑭᑦᑦᑦᑭᑭ
ᑭᓗ ᑯᓗᓯ∇·Δ·ᑭ
ᑭᑕ ᑎΛᑭᑕᒧᒪᑭ
σᓗ ᑎΛᓗᓂ ᐅᑦᑦᑭ
ᑭᓗ ᐱᑯ ᑭ b ᑭᑦ
ᑎᐸᑦΔᕐᒋᑕL△·ᑭ

3 L ᕐb : σ ᑭᑭᑭ
σ Δ· ᒍᑦᑭ Lᒥᓯᑭᑭ

ᐁ ᑭᐣ ᐊᑕᒪᐃᓕᒃ
ᐁ ᓂᐳᖏᑕᒪᐃᓕᒃ
ᐅ ᐅᐱᒧᒋᑭᐣᐃᐁᓄ
ᐯᐣᑭᐣᐃᒃ ᐱᒧᒋᑭᐣᐃᒃ
4 ᐁ ᒣᑲᓄᐱᒧᑎᒋᔭᒃ
ᒥᓇ ᓇᑲᑕᒧᓐ
ᐃᖏᐱ ᓇᑭᖏᑕᓐ
ᐃᖏᑲᓄᒃ ᑭᓯᑲᑫ
ᐁ ᓂᐳᖏᑕᒪᐃᓕᒃ
ᑭ ᑲ ᓇᑦᒧᒥᑦᑎᒃ

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62. ᓂᑲᒧᒃ

1 ᑎᓴᖏ ᑭ ᓇᐊᒥᑯᓇᓄ
ᐁ ᒣᑲᓄ ᐋᔨᒥᓯᓴᕽ
ᑕᐣᒃ ᑭᓯᑲᓄ ᐯ ᐃᑌᓄ
ᐁᑲᓄ ᐯ ᐱᒥᑎᓴᐣᐅᒃ

2 ᐊᐸᑦᑕᕕᐊᑦ ᑭᐣ ᐯᐣᑕᐃ·ᐊ·ᑦ
▽ ᖁᒃ· ᐊᑐᑦᒃᓗᑭᑦ
ᑭᐣ ᓇᒃᑕᒪ·ᑦ ᒪᐣᑭᓴᓂ
ᑭᑕ ᐱᒥᑎᓴᐃ·ᑭᑦ
3 ᑭᓴᑦ ᑭ ᓇᑐᒥᑯᓇᓂ
▽ ᖁᒃ· ᒪᑦᑭᐣᑭᕿᓴᕐˣ
ᐃ·ᓴ ᑭ ᐯ ᐃᑎᑯᓇᓂ
ᓇᐊ·ˉ ᓂᓴ ᐄᑭᐣᐃᓴᑐ
4 ▽ ᖁᒃ· ᒥᓴᐃ·ᑕᒪˣ
ᒥᓇ ▽ ᐃᓕᒥᓯᓴˣ
ᕿᐅᓴᐱˉ ᐃ·ᓴ ᑲ ᐃᑌ·ᐟ
ᑭᐅᓴᑦ ᓂᓴ ᐯ ᐄᑭᐣᐃᑐ
5 ᑭᓴᑦ ᑭ ᓇᑐᒥᑯᓇᓂ
ᐱᑕᓂ ᐄᒃ ᐯᐣᑕᐊ·ˣ
ᑭ ᑌᐣᐃᓇᐊ· ᒥᐅᓴˣ
ᑦᐯ· ᑭᑕ ᐄᑭᐣᐊᐅᓴˣ

63. ᓂᐅᒪᓐ

1 ᖃᐅ: ᐯᐦᑎᑯᓕᒪᑲˣ
ᕿᑯᓐ ᑭᓴᑦ X
ᐃᓕᓂᑎᑦ ᐱᐦᑐᐅᐦᐃˣ
ᐱᐦᑭ ᑭ ᑌᐦᐃᐊᑯ᙮ˣ

2 ᕿᑯᓐ ᑕ ᐊᐃᐱᐦᑯᓀᐟ
ᐅᐦᐅ ᐃᓕᓂᐊᑯ᙮
ᑲ ᒪᐦᑭᑲᖏᐦᐱᑎᑯᓕᓵᐟ
ᒪᑭᒪᓂᑐᐊᑯ᙮

3 ᕿᑯᓐ ᑭᑦ ᐃ᙮ᑭᐦᐊᑯᐟ
ᓲ ᑎᐱᑦᑭᓕᓵᐟ
ᒥᓇ ᑕ ᐊᑯᑌᓇᒪᐊᑯᐟ
ᐁᑲ ᓲ ᐊᑯᐱᓵᐟ

4 ᕿᑯᓐ ᒥᓇ ᑕ ᒣᑭᐟ
ᒥᓱ ᐊᑭᒧᒧᐃᓐ

ᑭᓪ ᑭᑎᒪᓂᕆᒪᓕᒃ
ᓂᑎᒪᑭᓯᕆᓕᒃ
ᐅ ᑭ ᓄᑲᒪᓪᓚᑎᓱᒋᑦ
ᑲ ᒪᒥᐱᑦᒥᑲᑦ ᒥᓱ
ᑲᐱᑭᓴᓂ ᐅᓯᑭᕕᐊᑦ

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64. ᓄᑲᒧᑦ

1 ᓄᐱᓂ ᐊᓱ ᑲ ᐃᓕᐱᐊᑭᒃ
ᐊᓄᐱᐃ ᒪᐃᑎᑎᓯᕆᓕᒃ
ᐊᓪᑭ ᓱᓱᓱᒥᕐᔪᓂ
ᑲᓪᑭᑎᐱᓪᒃᓂ ᐃᓪᐱᒥˣ
2 ᐊᑦᓪᒥᑎᑦ ᐃᔨᓄᑎᑦ
ᑭᑦ ᒥᑐᓂᓕᐱᒥᒪᑦ
ᐅ ᑭᐱᑭ ᐃᓕᐱᐃᐅᐁᐧᐃᓐ
ᐊᓱ ᑲ ᓄᐳᓪᓚᒋᒪᑦˣ

3 ᑐᓴ ᐊᓴᓗ ᑭᐣ ᐊᐱᓕᓕᔪ
ᑎᕐᓂᑲᒥᑯᕽ ᐅᐣᑎ
ᐁᔪᑎᕋᐃᑎᓵ ᐃᓂᓂᒧᓵ
ᐄᒪᒪᐃ· ᒥᖅᐊᑦᑕᒧᓵ
4 ᐃᓂᓂᑎᓵ ᔾᓂ ᐄᑐᓵ
ᑎᓴᐢ ᐁ ᑎᐯᓂᐢᑭᑫᓵ
ᓂᐱᐃᓐᔪ ᑲ ᐃᓱᓄᐣᑉᓵ
ᒥᓇ ᒪᑎᒪᓂᔪᐊᑦ
5 ᐅ ᑲᑭᑫ ᐱᐄᒪᑎᓕ
ᑲ ᑭᐣᑎᐅᑭᒧᐃᓐᓴᔪ
ᖏ ᑭᐣ ᓂᐣᑉᐃᓐᑭᓴᐣᐸᔪ
ᑭᑕ ᐱᐄᒥᐣᐃᐁᓐᓴᔪ

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65. ᓂᖏᒧᔪ

1 ᐊᓴᐢ ᐃᔪᐣᑌᓂ ᑎᓴᐢ X
ᐃᐢᐱᒥᕽ ᑭᐣᑎᑭᓕᑯᕽ

>σ ◁·Δ·ϟϙᐳᑦᑕᑦ
ᓇᒪ ᒥᓇ ᑲᑕ σΛᐤ
ᑲᑭϙ ᑕ Λᐃᒪᑎᓯᐤ
ᒥᓇ ᑭᑦ ◁ᓯᑕᐃᒪϙᐤ
ᑲᑦᑭᐳᐤ ᑕ Λᐃᒪᑦᑦᐊᓯ
◁σᑦᐃ ϙ ᑦᐯ·ᑦᑦᑕᑯᓯ
2 ᑭ ᑭᑦᓭ ᐅᑭᐃᒥᓇᐤ
◁ᓇ ᑲ σ>ᑫᑕᐃᒪᑕˣ
ᑭ ᑲᓇᐁ·ᐳᒥᑯᓇᐤ
ᑭᓯ ◁ϟᒥᑫᑕᐃᒪᑯᓇᐤ
ᑭ ᑲ ◁·<ᑦᑎᐳᑯᓇᐤ
ᑭᑦᒥᑭᓯᑯˣ ᒣᑫᑲᓇᐤ
ᑭ ᑭᑎᐃᒪᑭᓴᑯᓇᐤ
ᑭ Δ· ΛᐃᒪᑦᑦΔᑯᓇᐤ
3 ᐅ! ᑲᑕ Δ· ᐯᑦᑦᑕᑲ·ᓇ·
ᑭ σᑲᒧΔ·σᓇ◁·

ᑕ ᒪᒥᐱᒋᒪᓴˣ ᐊᓀ
ᑭᐱᓕ ᑭᓱᑯˣ ᑲ ᐊᐱᐟ
ᑲ ᐃᔨᑯᐱᒍᐟ ᓂᐱᐃᓐᑐ
ᑲᐱᑭᓴᓂ ᑲ ᑎᐯ ᓄᐱᒡˣ
ᑲ ᕿᔅᑭᐱᑌᓀᒪᑯᓴˣ
ᐃᔅᑲᓐᐱᑌᕆ ᑭᐱᓕ ᑭᓱᑯˣ

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66. ᓂᑲᒧᑐ

1 ᑲ ᑲᓀᑎᓱᓴᑐ ᐊᐱᐊˣ
ᐋᓐᑌᓀᒪᐃᓐᓀᑐ ᒥᓀ
ᑎᐯᓄᐱᒡ ᑲ ᑐᑦᒪˣ
ᒥᓀ ᑲ ᐃᑌᓄᐱᒡᒪˣ
2 ᒧᐸᐟ ᑲᓀᐁᓐᓄᒥᓀᑐ
ᐁᑲ ᑢ ᒪᑢ ᑐᑦᒪˣ
ᐅ! ᑭᔅᑭᓂᐱᐊᒪᐃᓐᓀᑐ
ᕆ ᐃᓱ ᐱᐊᒪᑎᓱᓴˣ

3 ᑭᐯ·Δ·ᐣ ᐊᑊ·ᐸᑦᑎᓂᓄᓐ
ᓂ ᑌᑦᐃᓀˣ ᐸᑭᑎᓇ
ᑲᕐ·ᒢᐸᓂᓄᑦᑕᒧᐃᓐᓄ
ᑕ ᑲᓇᐁ·ᓄᒥᑎᓂᓄˣ

4 ᐅ ᐃᑐᑦᑕᑦᐃᓀᓐ ᐃᑕ
ᓂ ᒪᓂᑐᒥᓀᓐ ᐁᓴᓱ
ᐁᑯᑕ ᕐ ᐊᐸᖅ·ᐱᓴᓂˣ
ᒥᓇ ᕐ ᒥᐸᖅ·ᓄᒧᓂˣ

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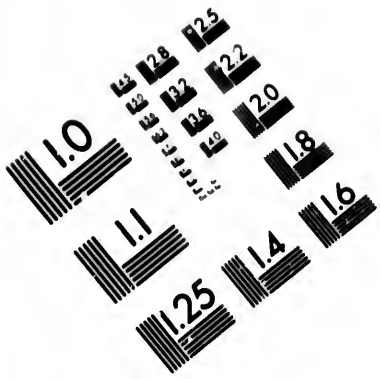
67. ᓂᑲᒧᓐ.

1 ᐅᑊ ᑲ ᓂᑦᑭᐃ·ᑭᑦᑭᓴᓐ
ᑭᖃᐊ·ᑎᓱᐃ·ᐣ
ᑭᓂᓄᑯˣ ᒥᓯᑦᑭᑲ·ᐣ
ᑭ ᒪᓱᓇᑦᐃᐳᑲ·ᐣ

2 ᐅᑕ ᕿᑎᒫᑭᓱᓕᖅ
ᒧᐸᖅ ᑭᑦ ᒥᔅᑲᒪ·ᖅ



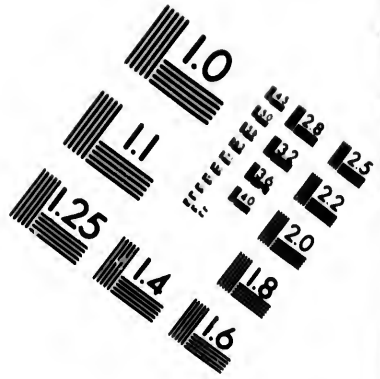
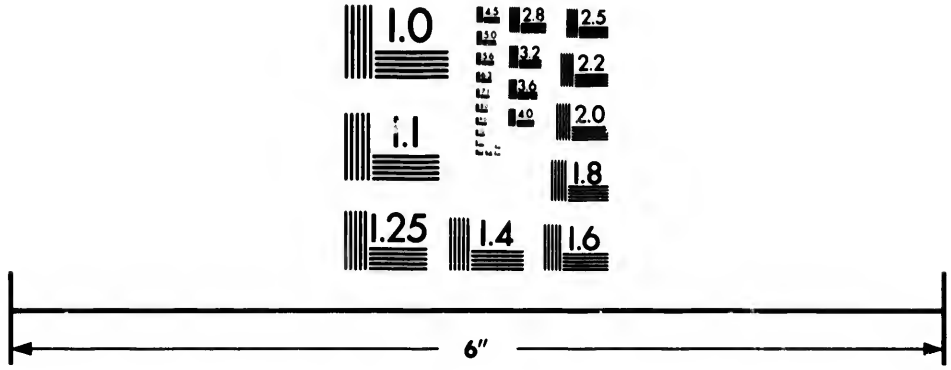
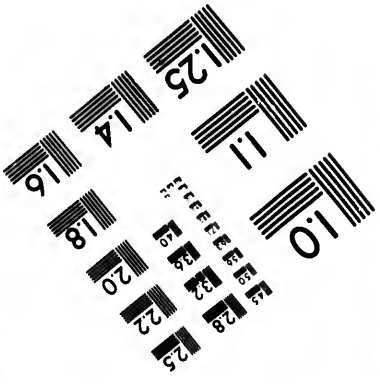


IMAGE EVALUATION
TEST TARGET (MT-3)





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ᐅᐧᐦᑎᑐᓯᐃᐧᓀ ᐅᐱ
ᓂᓯᐊᐧᓀᑕᑦᑭ

3 ᐅᑕ ᑲ ᐱᒪᒋᑦᐃᐅᐧᓴ
ᐊᔭᒥᓂ ᑲ ᐅᑦᑭ
ᑭᓀᕿᓂᑦᑕᒪᓗ ᑲᑭᕿ
ᑕ ᐱᒪᑐᓯᔨᓗ

4 ᐅ! ᕿᓀᑭᓂᑦᐊᒪᕿᔭᓗ
ᒪᐸᔪ ᐯ ᐃᐧᕿᐃᐧᓴ
ᑭ ᒥᕐᓄ ᒪᓯᓀᑦᐃᑲᓗ
ᓂᓯᔪᑦᑕᒧᑦᐃᓗ

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68. ᓂᑲᒧᓗ

1 ᕿᑲ: ᕿ ᐃᐧᑭᑦᐃᐧᑯᓯᔪᖅ
ᑲ ᐅᓀᑲᑐᓯᓯᔪᖅ
ᑕ ᑲᓀᐯᐧᔨᒥᓯᔪᖅ
ᐯ ᐃᐧ ᒋᐯᐧᑦᒋᓀᑭᖅ

2 ᑭ ᒥᓴ ᐊᔭᒥᐃᓂᓐᕿ
ᒪᓱᓇᑦᐃᐅᑉᐳᓂ
ᑭ ᑲᓇᒋ ᕆᕆᕐᓂᐊᓂᓗ
ᕆ ᐃᓂᑦᑎᐃᑯᑦᓴ
3 ᐅ! ᐃᓱᓇᓇᑲᓗ ᑯᐱᖏᑯᒻ
ᕆᑦᑲᓱᕆᓴ ᐱᓱᑦ
ᓂᖏᑦ ᓂ ᐊᓐᖏᑌᓇᒪᑯᓗ
ᐁ ᑎᐱᖏᓱᓕᔭᓗ
4 ᑯᐯᓐ ᓂ ᔪᕐᑯᓐᕕᑦᐃᑯᓗ
ᐁ ᐃᓐᑦᑕᒪᑯᓕᔭᓗ
ᒥ ᐸᑲᓐᑕᒪᓗ ᑲᑦᑭᔭᓄ
ᓂ ᒪᑭᑦᑎᐃᓐᓇ
5 ᓂ ᒪᓂᓗᑦ ᓂ ᓴᖅᑦᑦᑯᓗ
ᑭ ᑲᕆᖏᓐᓂᐃᓐᓇ
ᓇᒪ ᕆᑲ: ᐊᐊᓐᓯᒐ
ᓂ ᒧᖏᑕᐁᓔᑦᑎᓗ

69. ᓂᑲᒧᐊ

1 ᐅ! ᓇᑎˣ ᐯᒪᑭᐦᐃᐁᐦ᐀
ᑭᓴᐃᓂ ᒣᓄᓗᔪᓐ
ᑭ ᐃᐦ ᐁᐦᔪᑎᓗᐦᐃᑯᐃᓂ
ᒋᐯᐦ ᒥᓇ ᑲᔭᑭᐦᒋᓂ
ᑲᒡ ᐅᒡᐢ
ᐁᑲ ᐃᐦᓴ ᐄᕿᐦᓕᒧᐊ

2 ᑭᓕᐸ ᐃᓗ ᐯ ᓇᑎˣ
ᑲ ᑭᑎᐃᒪᑭᔪᓐᔪᐦ
ᐊᓇ ᑲ ᑎᐯᓕᐦᐦᑭᕿ᐀
ᑭᒡ ᔪᐁᐦᓕᒥᑌᐦ
ᒥᓇ ᑭᒡ
ᒪᒥᐦᑭᒣᐦ ᒪᓂᑐ

3 ᐁᑲᐃᐦᓴ ᐃᑌᓕᒥˣ
ᓇᒪᓂ ᓄ ᑲ ᐄᑭᐦᐃᐦ

ᑭ ᑲ ᐊᓴᓇᒧᑐᐊᓂ

ᑭ ᑲ ᓴᑭᐦᐃᑐᐊᓂ

ᑭᐦ ᕆᑐᓂ

ᑭᑕ ᐱᒧᒪᑭᐦᐃᑕˣ

4 ᐅ! ᓯᒥᑐᓄᐅᐦᐃᒧᒪˣ

ᐅ ᑭᐦ ᑲᑲᓐᑐᑭᐦᐃᓂ

ᐯᐦᐃᒧᒪˣ ᐅ ᐃᓂ ᑌᐯˑˊ

ᐁ ᓂᐳᐢᕆᒧᑐᐊᓴᐠ

ᑭᐦ ᑭᓂᐦᐃᓯᐅ

ᐅ! ᑭᐅᐸ ᐃᐯᓀᐦᐃᙵ

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70. ᓂᑲᒪᑐ.

1 ᓇᒪ ᓂ ᑲ ᓄᐯᐃᓀᓂᑐ

ᑭᑕ ᐊᐅᐳᒧᒪᐠ

ᒥᓇ ᑭᑕ ᑭᑌᑌᐳᒪᐠ

ᓂ ᑭᐦᑎᐅᑭᒋᒪᑦ

2 ᑭᓴᐢ ᓂ ᑭᐳᑐᐅᑭᒧᑦ
ᑭ ᑭᐢᕿᓗᒥᑎᐢ
ᑭᓱ ᐃᓱᓂᐳᐱᓱᐃ·ᓂᕽ
ᓂ ᑲ ᐊᐢᐯᓗᒍᓐ

3 ᐅᓇᐢᐱᒃ ᒪᐢᑲᐃ·ᓱᒪᑲᓐ
ᐅ ᑭᐳᑭ ᐃᑌ·ᐃ·ᓐ
ᓂ ᑌᐳᐃ ᑲᓀᐯ·ᓗᐳᑦᑦ
ᐅ ᓀᓂᐳᑭᐃ·ᓂᕽ

4 ᐃᐢᐱ ᐃᒃ ᓱᐯ·ᐳᑌᓴᓐ
ᐅᑦ ᐊᐢᑭᕽ ᐅᐳᑭ
ᐅᐳᒋᐃ·ᓴ ᐅᑭᐳᑭᓗᕽ
ᓂ ᑲ ᐸᑭᑎᓂᐠ

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71. ᓂᑲᒧᓐ

1 ᓀᒪ ᓂ ᒪᒪᐳᒋᔪᒧᓐ
ᓂ ᒥᓴ·ᑎᓱᐃᐢᓐ ᐅᐳᑭ

σ′ ◁ᑦVᓗᒍᒍᓄᑦ ᐃᒃ
ᐅ ᑐᑕᒪᐃᓵ′ ᑭᓴᑦ X

2 ᑲᐅᓴᑦ σ ᑭᐩᐩ ᐃᑌᓗᐩᐩᑌᓄᑦ
σ ᑲᓵᓴᑦᑯᐱᐃᒪᑎᓯᓄᑦ
ᐃᑦᐱᒥᕽ σ ᑲ ᐃᑐᐩᐩᑦᑕᑦ
∇ ᒥᔪ ᐱᐃᒪᑎᓯᓴᓄᑦ

3 ∇ᑲᓵ ᐃᒃ σ ∇ᓵᐱᓂᑦ
ᐅᒪ ᐃᑌᓗᐩᐩᑕᒍᐃᓵᓄᑦ
σ ᐳᑦᑎᑦᕿᑦ ᐃᒃ ᑭᓴᑦ
ᐅ ᑲᓵᓴᑦᑭᑕᑎᓯᐃᓵᓄᑦ

4 ᐃᑦᐱ ᐃᒃ ᓇᑕᐃᒐᓂ
ᓇᒪ σ ᑲ ᓴᕿᓵᓗᒍᑦ
ᑭᑕ ᐅᐩᑎᑦᑲᐃᓵᑦᑲᐊᓵᑊ
ᐯ ᐅᓴᓯᐊᓵᓯ∇ᓵᑭ

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72. ᓂᑲᒧᐣ.

1 ᐊ ᐊᔪᖏᑲᐁᓗᑦ ᓄᖅᒪᓂᔪ
ᐊᓕᒧᒥᕐ ᓄᓗ ᐅᓄᐱᒥᐊᔪᓐ
ᐊ ᑎᐯᓕᖅᑭᓄᓗ ᒥᓗᐁᓐᑲᒥᑦ
ᒥᓀ ᐃᖏᐱᒥᕐ ᐅᑌᓀᐃᓐᐃᓐᓂᕐ

2 ᓄᖅᒪᓂᔪ ᐃᓐ ᐱᐊᒥᖅᐁᓐ
ᑲᖅᓄᓕᓐ ᐁᖏᐯᓕᒧᔪᑎᑯᓗ
ᒋᐯᓐ ᐊᒃ ᑲᑦ ᐃᓐ ᓀᓀᖏᒥᑦ
ᐊᓂᖅᐃ ᑌᐸᖅᐊᐊᒪᕐᕆᒪᐊᔪᓗ

3 ᐅ! ᐁᑯᓗ ᑲᖅᓄᓕᓐ ᐁᔪᒥᕕᐊᑦ
ᐱᑦ ᓄᕆᓀᒣᐊᓐᑦ ᒥᓱᓴ
ᐅ ᓂᐳᖏᑕᒪᕐᕽ ᒥ ᐅᖅᐱᓂᕆᕽ
ᓄᖅᒥᓄᓗᑯᕽ ᐅᓄᐊᐃᓐᐃᓐᓂᕐ

4 ᒪᒥᖅᑭᐊᒪᑦ ᑲᓐᓗᖏᑦ ᑐᑦᖅᑦ
ᓀᓀᖏᐃᒪᒋᑦ, ᓄᖏᓀᐊᒪᒋᑦ

ᐊᓇ ᐃᓕᐊ·- ᑲ ᑭᑐᒪᓂᔪᓕᓪᓗ
ᑲ ᐊᑦᕿᑎᑎᓂᐅᐊ·ᓱ ᐅ ᐄᓚᑎᐃᑕᕽ

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73. ᓂᑲᒧᑦ

1 ᓇᖏᑦᔨᒐᑦ ᒪᓂᑐ
ᓭᖏᐱ- ᑫᖃᐊᑦᑎᓕᓱ
ᐅ ᑭᖃᐊᑦᑎᓕᐊᓐ
ᑲᑭᑫ ᐅ ᐊᑦᔾᓕᑦ

2 ᐅ ᓕᑎᑲᑎᓕᐃᓐᓂˣ
ᐊᖏᑭᓕᓄ ᑭᑎ ᐅᓕᑎᒋᓄ
ᐅ ᑭᖃᐊᑦᑎᓕᐃᓐ
ᑲᑭᑫ ᐅ ᐊᑦᔾᓕᑦ

3 ᐃᑦᔭ ᐅᑎᑭᖏᒪᐅᑦᓄ
ᒡᑎᑐ ᐯᐃᒪᑎᓕᓕᑦ
ᐅ ᑭᖃᐊᑦᑎᓕᐃᓐ
ᑲᑭᑫ ᐅ ᐊᑦᔾᓕᑦ

4 ᐊᓂᐱᒃ ᒥᓴᐲᑕᐅᓄ
ᐅᐟ ᐃᐳᓂᒪ ᒧᐸᐠ
ᐅ ᑭᔭᐃᓐᑎᓯᐃᓕᐣ
ᐄᑭᑫ ᐁ ᐊᐄᔾᐳᐠ

5 ᑭ ᓴᐁᓐᐳᒥᑯᐊᓄ
ᐁ ᑭᑎᒪᒪᑭᓯᔭˣ
ᐅ ᑭᔭᐃᓐᑎᓯᐃᓕᐣ
ᐄᑭᑫ ᐁ ᐊᐄᔾᐳᐠ

6 ᐊᓂᑯᒪᑦᐠ ᒪᓂᑦ
ᐊᐊᓂᐱᒃ ᑫᔭᐃᓐᑎᓯᐟ
ᐅ ᑭᔭᐃᓐᑎᓯᐃᓕᐣ
ᐄᑭᑫ ᐁ ᐊᐄᔾᐳᐠ

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74. ᓂᑲᒧᐣ.

1 ᐁ ᐃᒪᓂᑲᑦᒪᐣ
ᓂᐟ ᐃᑦᐱᐣ ᐱᐦᑭ

σ ᑌᑦᐃˣ ᐃᑕ ᐁ ᐊᐅᓗ
ᒥᑦᑫ᙮ ᒪᑭᑦᑎᐃᓐᓄ

2 ᐅᑦᐅ σ ᐊᓚᑦᑐᓄ
ᑭᑢᑌᓕᒥᓗᐃᓐᓄ
ᓗᑦᑫᓕᒍᐃᓐᓄ ᐊᓗᒥ
ᕿᑲᓐᓗᐃᐁᓐᐃᓐᓄ

3 ᐅ ᒣᑢᑲᐃᓐᓗᓕᓄ
ᐅᑦᐅ ᐄᐊᑭᑦᑦᑕ
σ ᑌᑦᐃˣ ᐅᑦᑭ ᐁᓐᐱᓇ
ᑲᑫᕿᑎᓗᐃᓐᓄ

4 ᐅᒪ ᑐᑕ ᐁᑲᓐ
ᑫ ᒪᒥᑦᑭᒥᑦᑕᑦ
ᑭ ᑲ ᐄᑭᑦᑦᐃᑎᓄ ᒥᓇ
ᑭ ᑲ ᑦᐯᓐᑦᑦᑕᑎᓄ

75. σbJᑐ.

1 ᐱᒧᑎᓂᓄ ᐯᒧᑭᐣᐃ′
ᑲ ᐅᐣᑭ ᒥᔪᓕᐣᓀᒧᑐ
ᐱᒧᑎᓂᓄ ᑲ ᑭᐣ σᐱ′
ᒍᓴᑦ σ b ᑎᐯᓕᒥᑦ

2 bᑕ ᑭᑌᓕᐣᒋdᓂᓄ
ᑭᓴᑢ σ ᑭᐣᑭᐅᑭᒧᑦ
ᒋᐯ· σ ᒪᒪᐣᒋdᓂᐣ
ᑲᑭ9 ᐁ ᐱᒧᑎᓂ′

3 bᑕ ᓂbᑦᑕᑎᐣ σᔭᓄ
ᑭᐣ ᓇbᑕᒧᓂ ᐊᑢᑭ
ᐁᓕᐁ·ˣ ᒧb ᕮᑌᒧ
σ ᔭᐃ·ˣ σ b ᐊ·ᕮᒧᓄ

4 ᒥᓇ ᑭᐣᒋ·ᑦ ᑕ ᐯ ᐅᔭᓂᓄ
σ b ᐊ·σᢆbσᑦ ᒧb

ᑭᐸᓗᑲᒥᑯˣ ᐅᑦᑭ
ᐁᑲ· ᒥᓀ ٩ ᐊᑊ·ᐸᒪᑊ

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76. ᓂᑲᒧᓗ.

1 ᒥᔪᑊ·ᓗᒧᐊᑊ·ᑊ ᐊᓂᑭ
ᑊ ᑭᖏᓗᐅᒪᑊ
ᑭᔭᒪᓂᑐᐊ· ᒧᔪᑊ
ᑲ ᐃᖏᑦᐃᑯᒪᑊ

2 ᐅ ᑲᓐᒥ ᐃᓗᓂᒪ
ᑲᐅᓴᑦ ᑭᑦ ᐃ·ᑭᑦᐁᓂ
ᑭᖏᓀᓂ ᑲ ᑐᑦᑯᓀᓂ
ᑊ ᑭᑦ ᐃᑦᑐᐊᑊ·ᐟ

3 ᓀᖏᐱᐧ ᒪᓂᑐᐃ·ᓀᑯᓯᓂ
ᐅ ᐊᑊ·ᖏᑲᑦᐃᑲᓂˣ
ᐁᑯᑕ ᐃ· ᐃᑐᑦᑌᑕᑊᑊ
ᑭ ᒥᔪᑊ·ᓗᒧᔪᓴˣ

4 ᐅ ! ᒪᓂᑐ ᐃ·ᑭᑦᐃᓐᓴᑐ
ᑭᑕ ᐸᑭᑦᐃᑦᑕˣ
ᐁᑲ· ᕿ ᒪᒥᑦᑦᑕˣ
ᐃᑕᐱᒥˣ ᑭᓯᑯˣ

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77. ᓂᑲᒧᑐ.

1 ᐃᒪᐊ·⁻ ᓭ'ᓯᑦᑦᑲᑎᓯᓗᑐ
ᓂᐳᑕᑕᒪᐃ·ᓗᑐ
ᑭ ᑭᓗᐊᓵ·ᑎᓯᐃ·ᓀ
ᓂ ᑲ ᐃ· ᐊᑭᑦᑌᑐ

2 ᑭ ᐃ· ᐊᑕᐯᐅᒧᑦᑕᑎᑐ
ᐅᑭᕿ ᐅᑭᕿ
ᑭ ᒥᔪᑐᑦᑦᕿᐃ·ᓀ
ᓂ ᐃ· ᐊᐅᒧᒪᑐ

3 ᓂ ᑲ ᐱᒧᑦᑦᑐ ᒣᑕᑲᓀˣ
ᑭᓯᑯˣ ᐁᑕᒧᑦ

ᓄᑦᒋᐃᓐ ᐁ ᐃᓐ ᐊᓵᐸᒪ
ᓱᓴᐱᒃ ᑲ ᓴᑭᑦᐊᑎ
4 ᓀᓂᑦᑲᑌᓗᒍᓕᓂᓂ
ᐁ ᒪᑭᑐᑕᒪᑐ
ᓂ ᑲ ᓀᑐᑕᒪᐊᓵᓄ X
ᑭᑕ ᑲᓱᑭᑦᐃᑊ
5 ᓂ ᑲ ᐃᓐᑦᑌᑐ ᓂᐟ ᐅᑭᓕᑦᑉ
ᐁ ᑭᑦ ᓴᐊᑭᑦᒋᐟ
ᒪᑭ ᓯᑦᑲᑎᓯᐃᓐᓀ
ᑲ ᓄᑭᑦᐃᐊᑦᓴᑐ

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78. ᓂᑲᒪᑐ.

1 ᐅ ! ᑲ ᑕᐊᓯᓀᑐ ᐊᒋᑭˣ
ᑕ ᑭᒋᑭᓄᑦᐊᒧᒉᓴᓗᑐ
ᑭ ᒥᓪ ᓴᑭᑦᐃᐁᐃᐃᓐ
ᓂ ᑌᑦᐃˣ ᐯ ᐸᑭᑎᓀ

2 ᐁᑯᑕ ᑲᑕ ᑲ·ᑊᑯᑌᓂ
ᕃ ᐅᑊᑭ ᒥᓴᐊᑯ·ᑕᒪᑦ
ᐁ ᖃᑲ· ᐱᒧᑊᒋᑕᒪᑦ
ᑭ ᒥᓪ ᐊᓴᒥᐃ·ᓀ

3 ᐅ ! ᒪᖏᑲᐃ·ᑊᒋ ᓂ ᑌᑊᐃˣ
ᑲᑊᑭᓴᓂ ᑲ ᒥᑦᓴ·ᓱᑭ
ᓂ ᒋᐯ·ᔪᓕᑊᑕᒧᐃ·ᑐ
ᒥᓀ ᑭ ᑭᑊᑭ ᒋᐯ·ᐃ·ᑐ

4 ᒧᐸᑦ ᑭᖏᓄᑊᐊᒪᐃ·ᑐ
ᐅᑕ ᑭᑕ ᒋᐯ·ᑊᒋᒋᑐ
ᐁᑲ· ᕃ ᒪᒥᑊᑭᒥᒋᑐ
ᐃᖏᐱᒥˣ ᐊ·ᐸᒥᒋᓂᓄ

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79. ᓂᑲᒧᑐ

1 ᐊ·ᖏᑲ ᑭᑊᑭ ᐊᐱᐃ·ᓂˣ
ᓭᖏᐱᐨ ᒥᑊᕀ᙮ ᓂᐸᐃ·ᐊ·ᑦ

ᐅ ᑭᑦᐱᒪᑦᐃᓂᑦ
ᐁ ᓀᓂᒃᒍᒧᑦᑕᐊᓕᑦ
2 ᐊᖏᕐᓵ ᐁ ᐁᖏᒃᓴ· ᐊᐅᓗᑦ
ᑭᑦᐱ ᓀᓄᑦᐱᒃᑐᑕᒧᐊᓕᒃᓵ
ᐁᒃᓴ· ᐁ ᒥᓵᐊᔪᓕ·ᑕᑦᑭᓵ
ᐃ·ᑕᐱᖏᐊᓕᒃᓵ ᑭᓵᓵ
3 ᓀᒪᐃ·ᓴ ᒧᓕᑦᑦᑕᐊᓕᒃᓵ
ᒪᑭᑦᑎᐃ·ᓄ ᐊᑦᐸᓕᓕᐃ·ᓄ
ᒪᑐᐃ·ᓄ ᐊᓕᒥᓕᓕᐃ·ᓄ
ᑲᑦᑭᓵᓄ ᑭᑦ ᓀᑲᑕᒪᒃᓵ
4 ᐅ ᑭᑦ ᓂᓗᖏᑕᒪᓕᑦᑭᓵ
ᒧᓵᓵ ᓂᑲᒧᖏᑕᐁᓕᐊᓕᒃᓵ
ᐁ ᑭᓕᑲᓵ ᐁ ᑎᐱᖏᑲᓵ
ᐅᑭᑫ ᒪᒥᑦᑭᒧᐊᓕᒃᓵ
5 ᑭᖏᑐᓕᑦᑦᑕᐊᓕᓄᓄ ᐊᓀ
ᐅ ᒥᑦᑯ ᐅ ᑭᑦ ᓕᑭᓀᙵ

ᑭᑕ ᐱᐊᒥᑦᐃᑯᓴᒃ
ᐁ ᑭᑦ ᓂᐳᖏᑕᐊᓴᒃ

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80. ᓂᑲᒧᑉ

1 ᒪᒥᑦᒥᒥˣ ᑭᖅᒪᓂᑐ
ᑕᑦ ᐊᖏᑭˣ ᑲ ᐊᓗᔪᖅ
ᒥᓇ ᑭᓯᑯˣ ᐁᓗᔪᖅ
ᒪᒥᑦᒥᒥˣ ᑭᖅᒪᓂᑐ

2 ᒪᒥᑦᒥᒥˣ ᐁ·ᓭᑦᑦᐃ·ˣ
ᒥᓇ ᒥᕆᖏ ᐁ·ᑯᓯᓯˣ
ᒥᓇ ᕿᓀᑎᓯᐟ ᐊᑦᐱˣ
ᐃᒪᐃ· ᐯᔪᐠ ᒪᓂᑕ

Gilbert and Rivington, Whitefriars, London

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