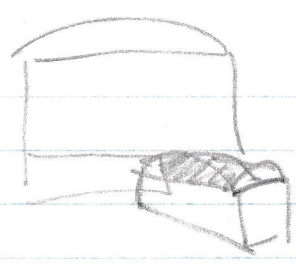


Jewels of the Oracle

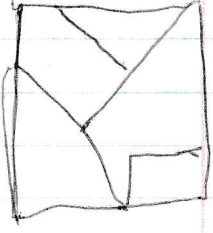


open trunk
maye

spider push balls into hole



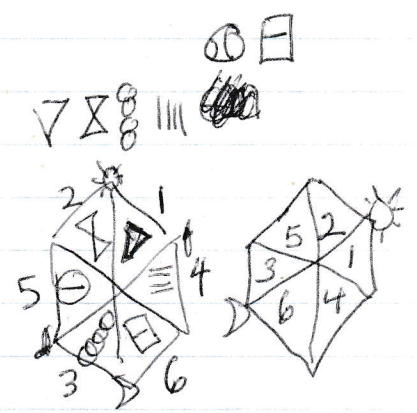
324314



2	2	2	2	0
2	2	2	3	1
3	2	0	3	0
0	3	1	4	0
1	4	2	0	1
1	4	0	1	2
2	0	1	2	3
0	1	2	2	3
0	1	0	3	4
1	2	0	0	5
1	0	1	1	5



5th piece
in left
bucket.
in Day & Night



table/glass
chest/bowl
quern/still
brush/~~chest~~
comb/bracket
chisel/~~dig~~
~~dig~~



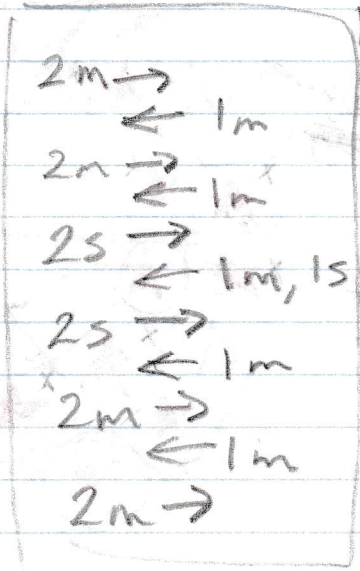
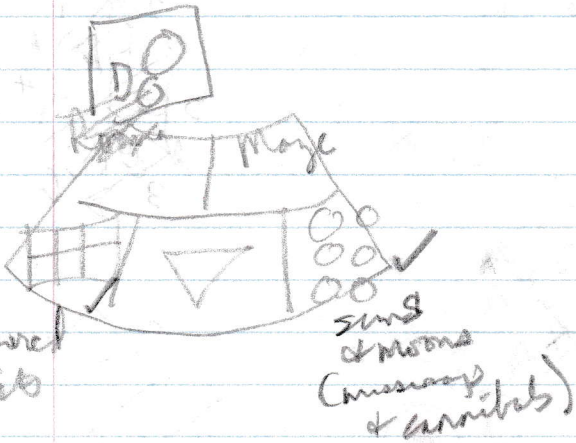
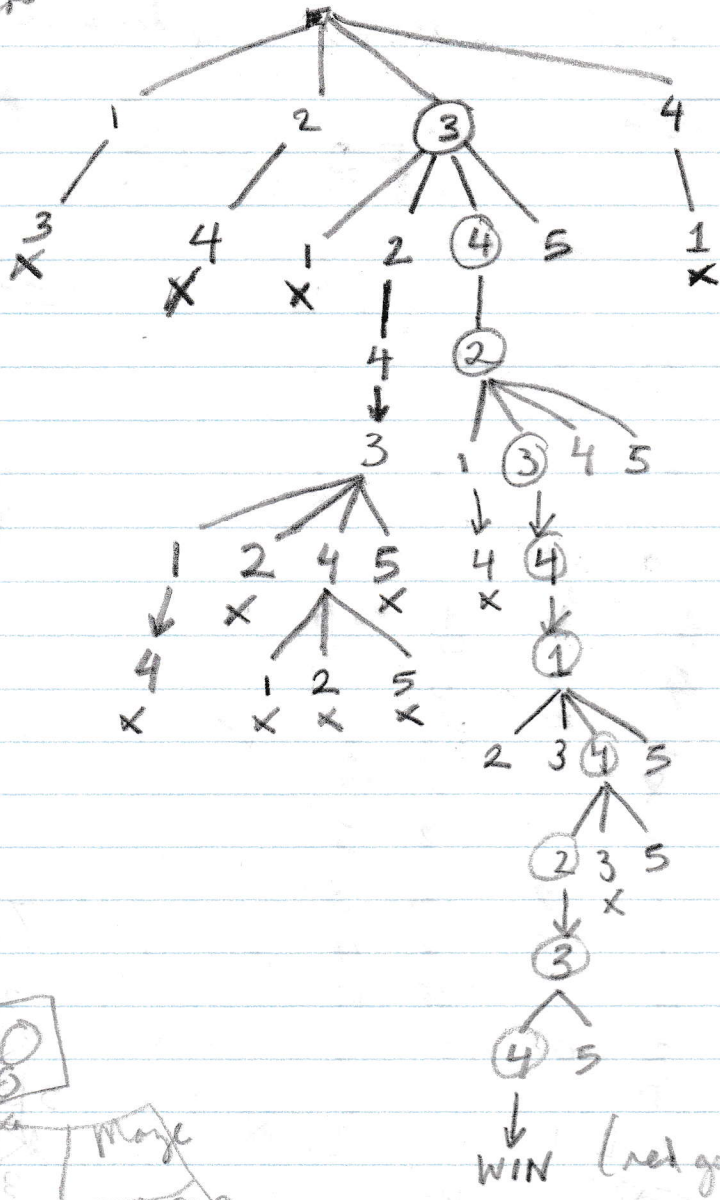
wind (winds,
but
not
wavy)

[Handwritten signature]

"Sowing Seeds"

Rooma

○○○○○



purple gen

Total row

M1

12

2

20

3

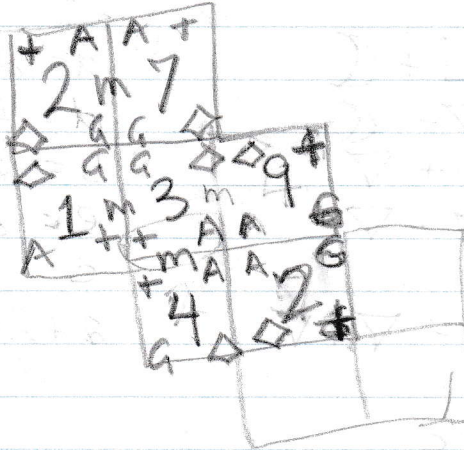
4

5

6

7

8



T1

2

3

4

5

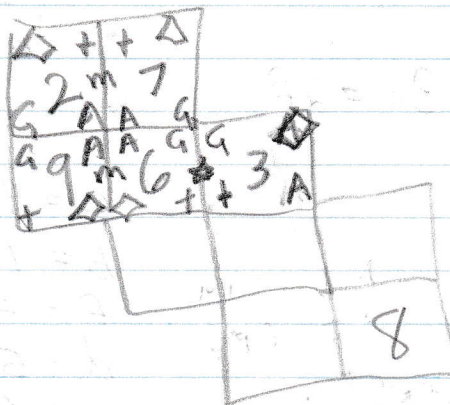
6

7

8

9

10



W1

2

3

4

5

6

7

8

9

220

10

228

a	b	c	d	e	f
○	◇	⊕	□	☆	▽
6	10	1	5	9	4

$$○ = □ + ⊕$$

$$□ = ▽ + ⊕$$

$$◇ = ○ + ▽$$

$$☆ = □ + ▽$$

⊕

$$○ + ⊕ + ⊕ = ▽ + ▽$$

$$a = d + c$$

$$d = f + c$$

$$b = a + f$$

$$e = d + f$$

c

$$a + 2c = 2f$$

$$a = d + c$$

$$d = f + c$$

$$b = d + c + f$$

$$(e = d + f)$$

~~$$a + 2c = 2f$$~~

~~$$a > d > c$$~~

$$a > d > c$$

$$d = f + c$$

$$b = 2f + 2c$$

~~$$4c = 2f$$~~

$$c = 1$$

$$b = 10$$

$$f = 4$$

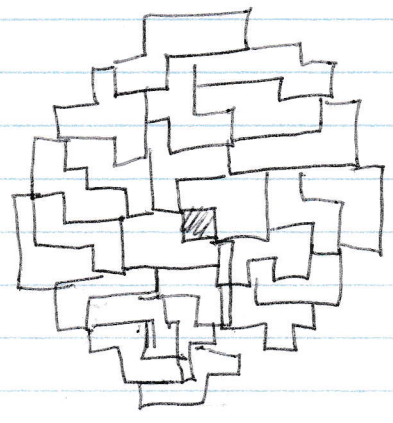
$$d = 5$$

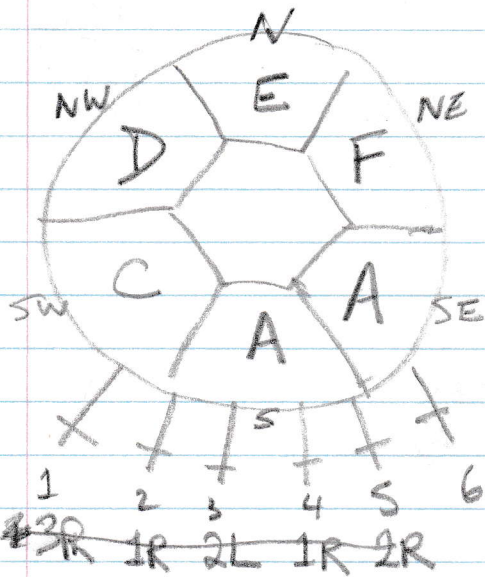
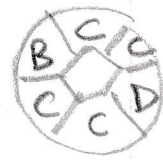
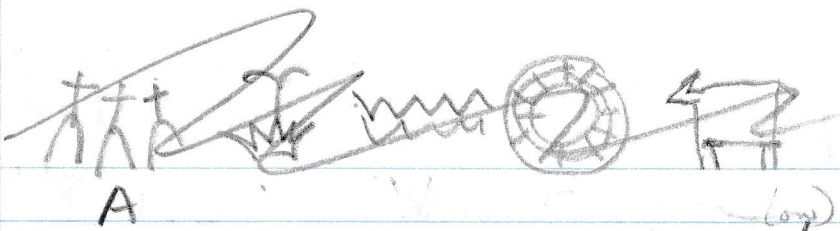
$$a = 6$$

$$e = 9$$

$$f = 4c$$

$$b = 10c$$

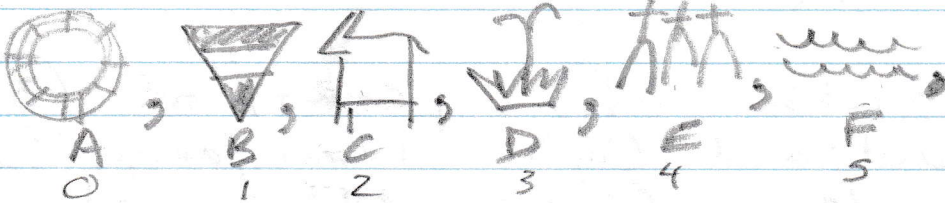




L turn	R turn
1 - NW+1, SE-2, NE+2	NE-2, SE+2, NW-1
2 - SE+1, NE, N+3	N+3, NE+1, SE-1
3 - NW-1, SW-2, S-2	S+2, SW+2, NW+1
4 - NW-2, NE+2, N+1	N-1, NE-2, NW+2
5 - S-1, N+1	N-1, S+1
6 - SE=-1	SE+1

10R	5R	9L	3R	2R	
1	2	3	4	5	6

This is our order



$$P_s = 0 - 2t_3 - t_5$$

$$P_{sw} = 2 - 2t_3$$

$$P_{nw} = 3 + t_1 - t_3 - 2t_4$$

$$P_n = 4 + 3t_2 + t_4 + t_5$$

$$P_{ne} = 5 + 2t_1 - t_2 + 2t_4$$

what
 $P_x \in P_y$

$$p = -2c - e \quad \left. \begin{array}{l} p = 2 - 2c \\ p = 3 + a - c - 2d \\ p = 2 + 3b + d \\ p = 5 + 2a - b + 2d \end{array} \right\} e = -2$$

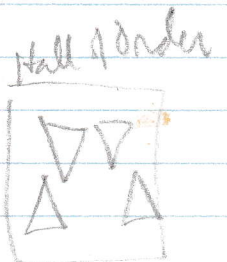
$$p = 2 - 2c$$

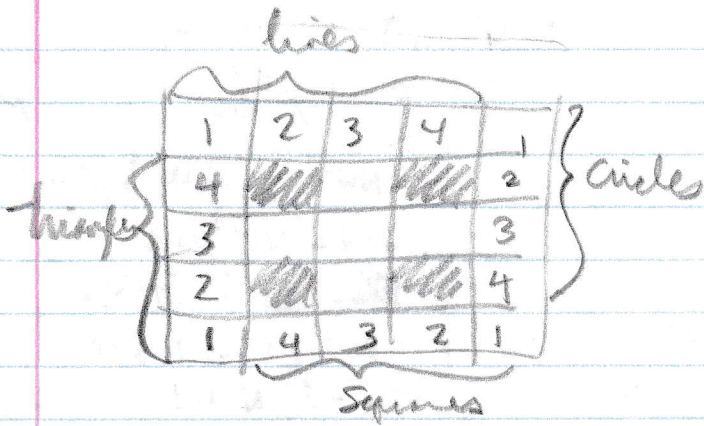
$$p = 3 + a - c - 2d$$

$$p = 2 + 3b + d$$

$$p = 5 + 2a - b + 2d$$

8	9	6
3	5	7
4	9	2





$$\frac{\binom{12}{2} \binom{10}{2} \binom{8}{2} \binom{6}{2} \binom{4}{2}}{2! \cdot 10! \cdot 8! \cdot 6! \cdot 4!}$$

$$\frac{12!}{(2!)^6}$$

- statue/table (# legs)
- chest/quin (2 parts, sep)
- hammer/bush (2 parts bound)
- sickle/dagger (blades)
- bracelet/bowl (round)
- comb/chisel (?)

*

- | | |
|--|--|
| <ul style="list-style-type: none"> chest/chisel (ch) bracelet/bush (br) comb/quin (k) sickle/statue (s) table dagger bowl hammer | <ul style="list-style-type: none"> comb/bowl (o) hammer/dagger (ah) table/bracelet (a) sickle/chisel (ih) bush quin (uh) chest statue (eh) |
|--|--|

*

$$p = -2c + 1$$

$$p - 1 = -2c$$

$$c = -\frac{p}{2} + \frac{1}{2}$$

$$P_s = p = 0 - 2c - e \quad \left. \begin{array}{l} -2c - e = 1 - 2c \\ e = -1 \end{array} \right\}$$

$$P_{sw} = p + 1 = 2 - 2c$$

$$P_{nw} = p + 2 = 3 + a - c - 2d \quad \left\{ \begin{array}{l} p = 1 + a - c - 2d \end{array} \right.$$

$$P_n = p + 3 = 4 + 3b + d + e \quad \left\{ \begin{array}{l} p = 3b + d \end{array} \right.$$

$$P_{ne} = p + 4 = 5 + 2a - b + 2d \quad \left\{ \begin{array}{l} p = 1 + 2a - b + 2d \end{array} \right.$$

$$p = 1 + a - \left(-\frac{p}{2} + \frac{1}{2}\right) - 2d$$

$$= 1 + a + \frac{p}{2} - \frac{1}{2} - 2d$$

$$2p = 2 + 2a - 1 - 4d$$

$$-4d = -b + 2d$$

$$p = 2 + 2a - 1 - 4d$$

$$3b + d = 2 + 2a - 1 - 4d \quad 0 = 1 + 2a - 3b - 5d$$

$$3b + d = 1 + 2a - b + 2d \quad 0 = 1 + 2a - 4b + d$$

$$-3b - 5d = -4b + d$$

$$b = 6d$$

if $d = 0$, then $b = 0$

$$a = -\frac{1}{2}$$

$d = 1$, then $b = 6(1)$

$$a = -1$$

$$p = 1$$

$$c = 0$$

$$e = -1$$

$$0 = 1 + 2a + 1 - 2$$

$$0 = 1 + 2a - 12 + 3$$

1R - - 1L 1R ?

1	2	3	4	5	6
---	---	---	---	---	---

$$\begin{aligned}
 p &= 2 - 2c \\
 p &= 3 + a - c - 2d \\
 p &= 2 + 3b + d \\
 p &= 5 + 2a - b + 2d
 \end{aligned}$$

$$\begin{aligned}
 2c + p &= 2 \\
 2c &= 2 - p \\
 c &= \frac{2-p}{2} \\
 c &= 1 - \frac{1}{2}p
 \end{aligned}$$

$$p = 3 + a - (1 - \frac{1}{2}p) - 2d$$

$$\begin{aligned}
 \frac{p}{2} &= 2 + a - 2d \\
 p &= 4 + 2a - 4d \\
 p &= 2 + 3b + d \\
 p &= 5 + 2a - b + 2d
 \end{aligned}$$

$$\begin{aligned}
 5p &= 2a + 12b \\
 p &= 4 + 2a - 4d + 2 + 12b \\
 p &= 4 + 2a - 4(p - 2 - 3b) \\
 d &= p - 2 - 3b \\
 p &= 5 + 2a - b + 2(p - 2 - 3b) \\
 p &= 5 + 2a - b + 2p - 4 - 6b \\
 -p &= 1 + 2a - 7b
 \end{aligned}$$

$$\begin{aligned}
 5p &= 2a + 12b \\
 -p &= 1 + 2a - 7b \rightarrow 2a = -p - 1 + 7b
 \end{aligned}$$

$$\begin{aligned}
 5p &= (-p - 1 + 7b) + 12b \\
 6p &= -1 + 19b
 \end{aligned}$$

$$\begin{aligned}
 18 &= -1 + 19 \\
 p &= 3 \quad b = 1 \\
 p &= -16 \quad b = -5 \\
 -10 &
 \end{aligned}$$

$\begin{array}{r} 19 \\ \times 2 \\ \hline 38 \end{array}$	$\begin{array}{r} 18 \\ \times 2 \\ \hline 36 \end{array}$	$e = -2$	$c = -2$
$\begin{array}{r} 19 \\ 57 \end{array}$	$\begin{array}{r} 19 \\ 56 \end{array}$	$p = +3$	$p = -16$
$\begin{array}{r} 19 \\ 76 \end{array}$	$\begin{array}{r} 19 \\ 96 \end{array}$	$b = +1$	$b = -5$
		$a = 3/2$	$a = -10(2)$
		$d = -2$	$d = -3$
		$c = 1/2$	$c = 9(3)$

$$2a = -3 - 1 + 7(1)$$

$$\begin{aligned}
 a &= 3/2 \\
 a &= -3
 \end{aligned}$$

$$\begin{aligned}
 2a &= 16 - 1 - 35 \\
 &= -20 \\
 a &= -10
 \end{aligned}$$

$$d = 3 - 2 - 3$$

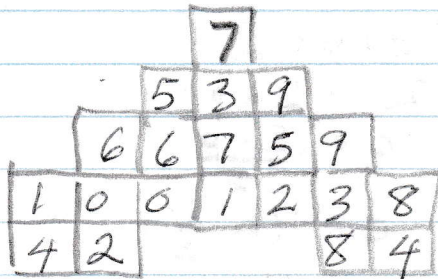
$$d = -16 - 2 + 15$$

$$\begin{aligned}
 c &= 1 - \frac{3}{2} \\
 &= -\frac{1}{2}
 \end{aligned}$$

$$c = 1 - \frac{-16}{2}$$

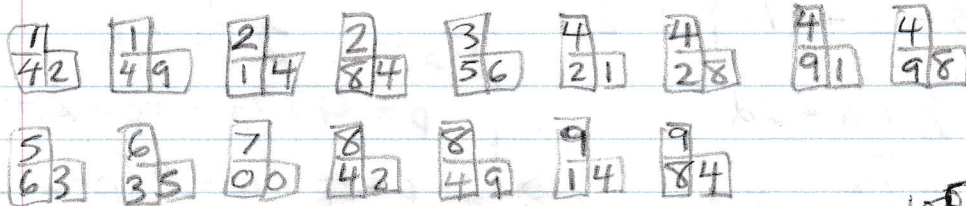
0 1 2 3 4 5 6

5A
4B
1C
2D, E³



0...9 twice
only multiples of 7

14, 21, 28, 35, 42, 49,
56, 63, 70, 77, 84, 91, 98,
105, 112, 119, 126, 133, 140, 147, ...



14/84
21/91
28/98

105
~~10003~~ 10017
~~1000006~~ 1001224

	SE	S	SW	NW	N	NE
t ₁	-2			+1		+2
t ₂	+1				+3	-1
t ₃		-2	-2	-1		
t ₄				-2	+1	+2
t ₅		-1			+1	
t ₆	-1					

"Hidden words" (find 6 pairs)

table / chest (wood)
 quinn / hammer (stone)
 dagger / chisel (metal)
 comb / bowl (bone)
 bracelet / statue (clay)
 sickle / brush (stick)

table, quinn, dagger, hammer, statue, sickle
 bowl, bracelet, comb, brush, chisel, chest

comb, quinn (both go)
 hammer, sickle (go)
 chisel, statue (go)
 bracelet, chest (go)
 brush, table (go)
 dagger, bowl (go)

comb, quinn
 chisel, chest
 bowl, bracelet

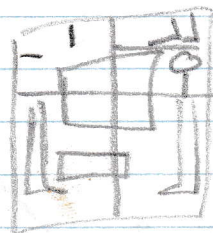
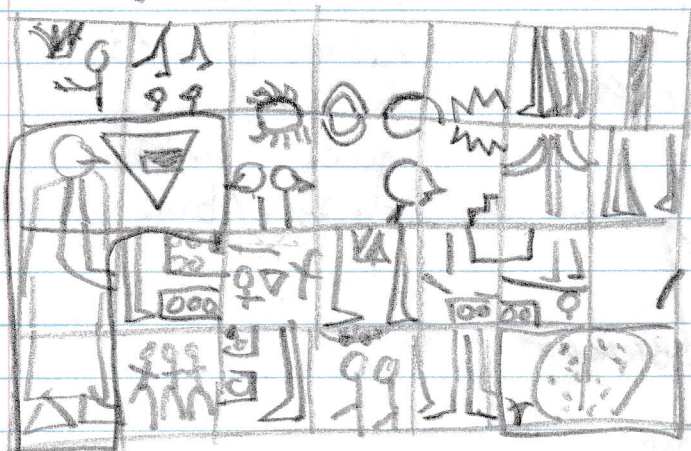
comb, brush
 hammer, sickle
 bracelet, chest
 table, bowl
 chisel, quinn
 dagger, statue

comb / brush
 hammer / sickle
 chisel / statue
 dagger / bracelet
 bowl / quinn
 table / chest
 X

sickle / dagger (cut)
 comb / brush (bristles)
 hammer / quinn (pound)
 statue / bracelet (decor)
 bowl / chest (container)
 table / chisel (?)

- 1 fragment @ Horses (in stable)
- 1 fragment @ memory of Brandon (chest) - lower drawer has purple
- 1 fragment @ keep of the house

1 fragment @ Values of Al-Jabara



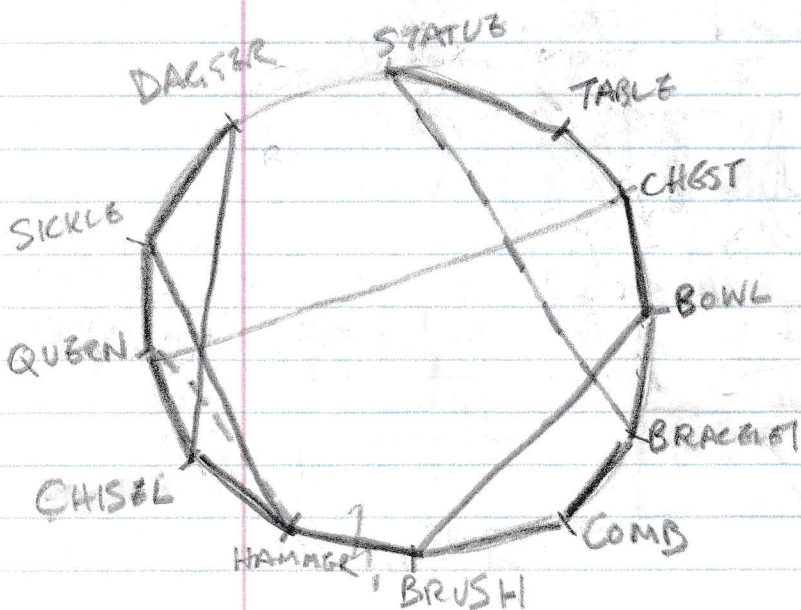
statue/table (4 legs)
 hammer/sickle ("swing")
 bracelet/comb (wear)
 quinn/chest (2 pts)
 bowl/brush
 chisel/dagger

^A quinn ^B chest
^D brush ^E bowl
^F dagger ^E chisel

AB, CD, EF X
 AB, CE, DF X
 AB, CF, DE X
 AC, BD, EF X
 AC, BE, DF X
 AC, BF, DE X
 AD, BC, EF X
 AD, BE, CF X
 AD, BF, CE

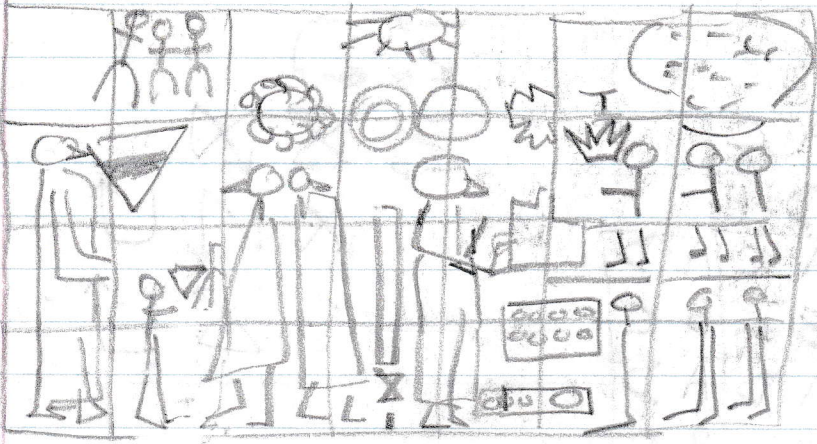
statue/table (4 legs)
 bowl/chest (containers)
 bracelet/comb (wear)
 quinn/chisel (chopper)
 sickle/dagger (cut)
 brush/hammer ?
 *

stat/tab
 bowl/chest
 comb/brush
 hammer/chisel (cut by the)
 quinn/sickle (quinn)
 dagger/bracelet ~~wear~~
 *



statue/table
 bowl/chest
 comb/bracelet
 hammer/chisel
 quinn/sickle
 dagger/brush
 *

The Memory of Bhandam

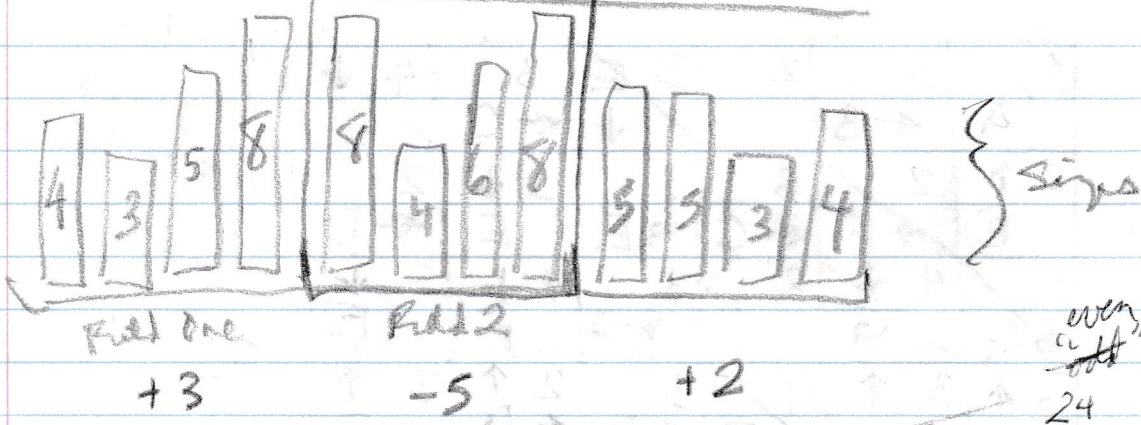
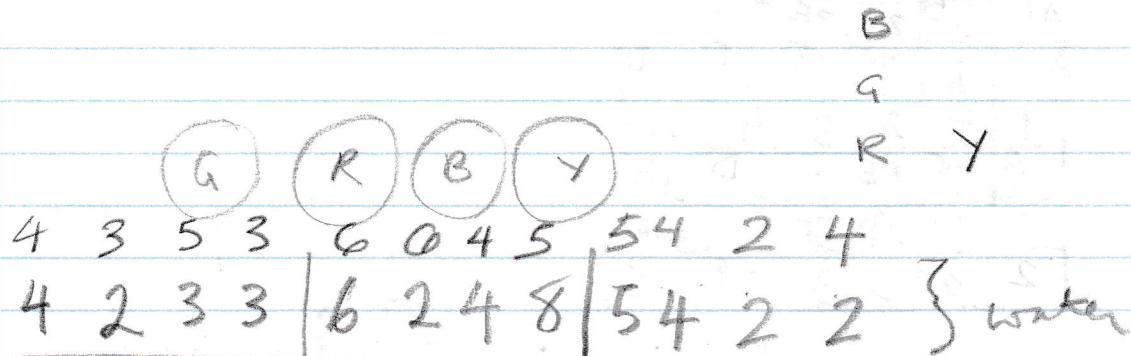
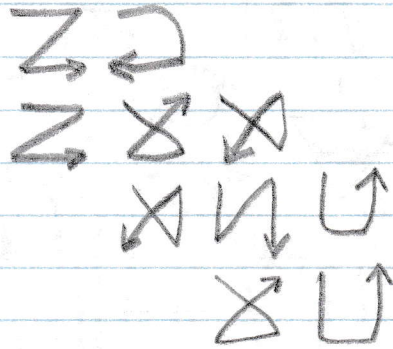
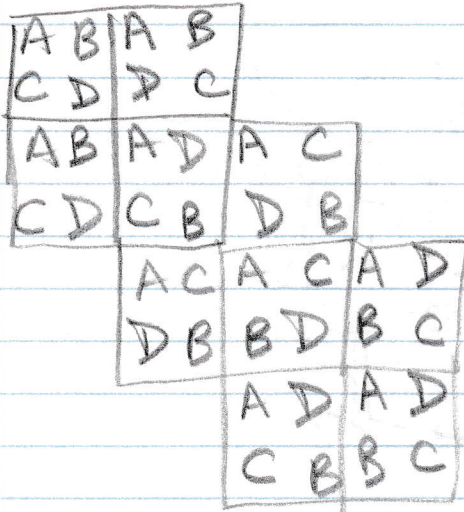
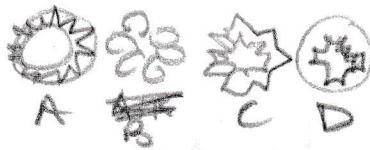


START

A1	3B	2	3E	3C	4
B2	2	3C	3E	3E	2D
4	4	2	3	4	2
3C	3C	4E	3D	2D	3E
2	2	3D	3F	3	2E
2	3	3	3	3E	END

1	3	2	3E	3	4 ↓
(A)	← B		↓	← C	↓ F
2 ↑	2	3	3	3 ↓	2
(B)	→ F	← C	→ E	E	← D
4	4 ↓	2	3	4 ↓	2 ↓
→ G	G		→ G	F	(F)
3 ↑	3 ↑	4	3	2 ↑	3 ↑
C	C	→ E	← D	← D	E
2	2	3 ↑	3 ↑	3 ↑	2
→ G	→ G	(D)	→ F	F	← (E)
2	3	3	3 ↑	3 ↑	END
(I) →	→ F	← (J)	(H)	E	(K)

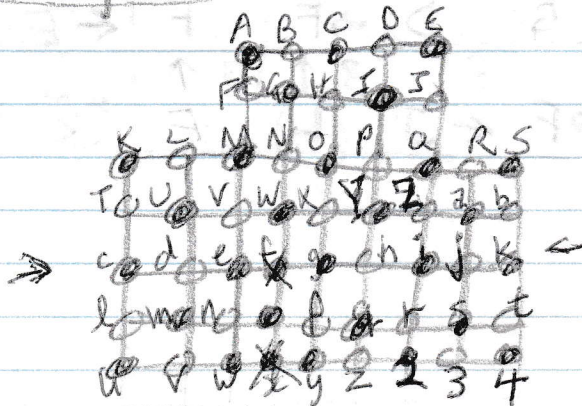
Compares (Pam to Usavak)



12/20/13

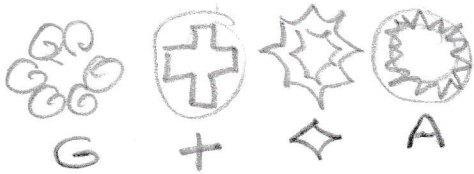
Party of Jalson

12
20
13
3
45
15



35 spots
51 pigs
50 moves

4 rotational symmetry
+ mirror symmetry



1	2	3	4	5
G+	G◇	G◇	G+	G◇
◇A	A+	+A	◇A	+A
G+	G A	G A	G A	G+
A◇	◇+	◇+	+◇	A◇
6	7	8	9	10

DC	CD
AB	BA
m	
AB	BA
DC	CD

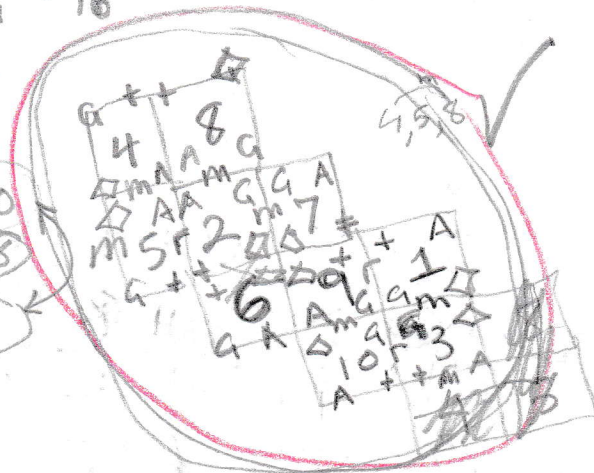
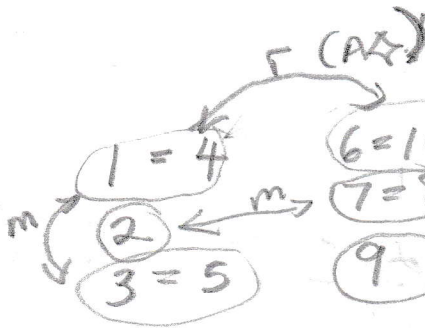
CD	DC
AB	BA
m	
AB	BA
DC	CD

2 identical pairs
that mirror
each other

2 mirrored
pairs
(all 4 diff)

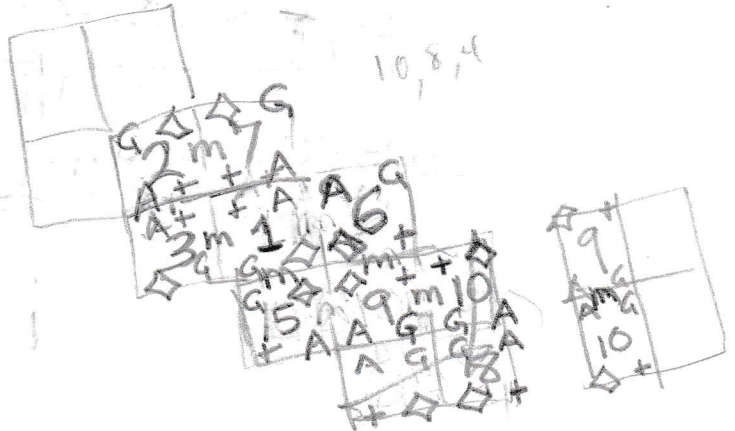
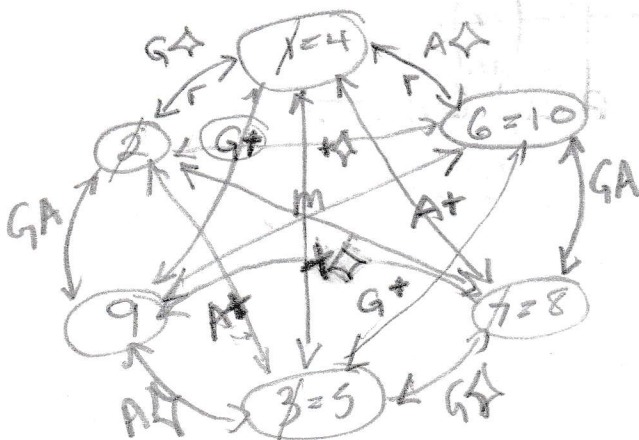
r = 1 mirrored side

mirror pairs
have some counterparts



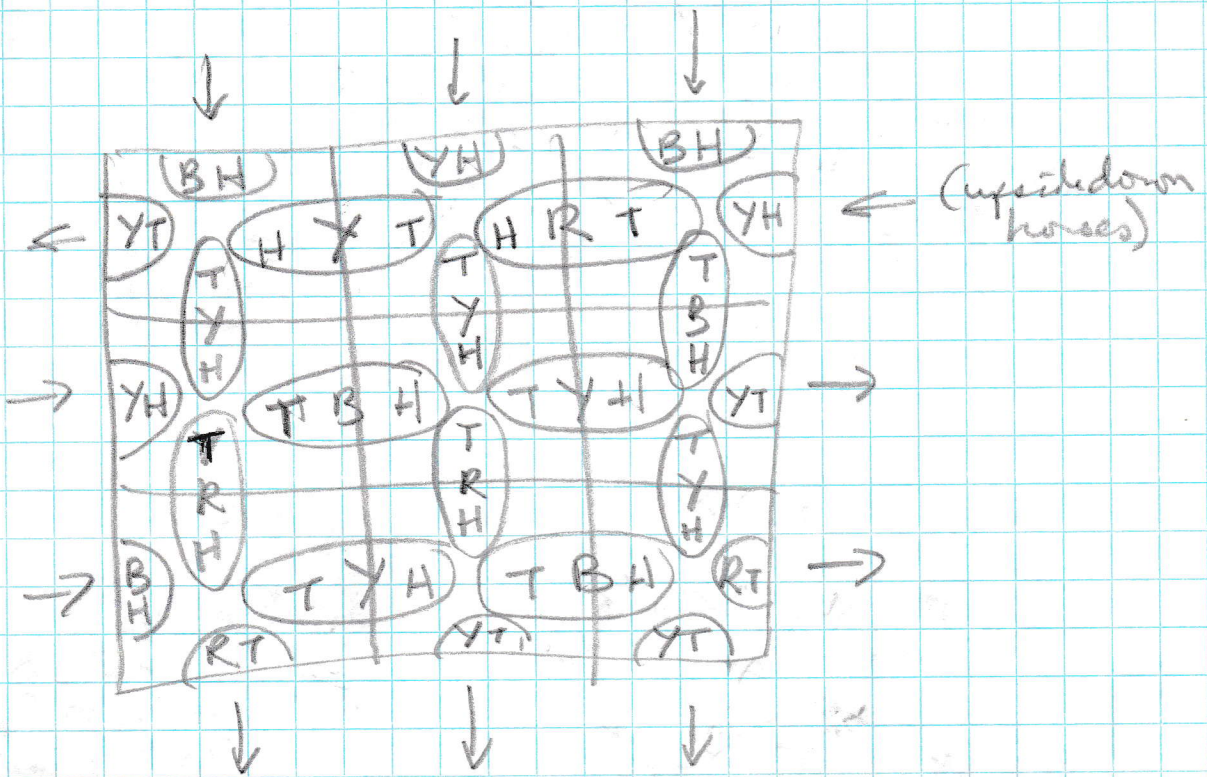
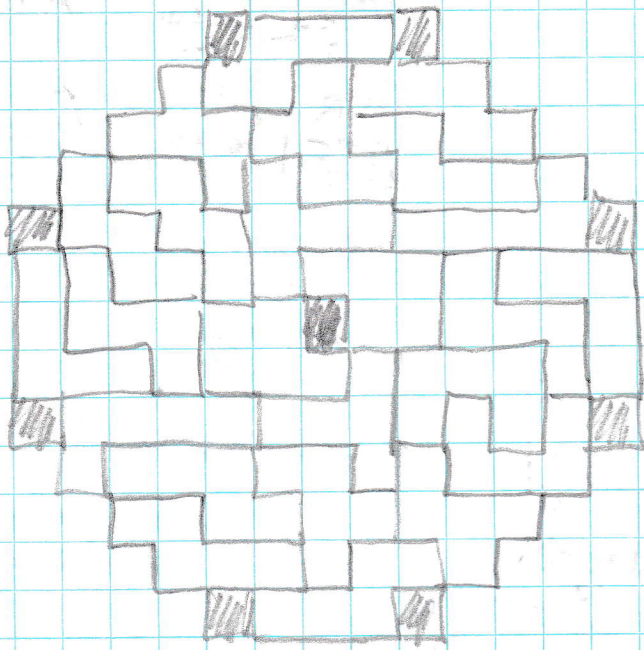
BA	AB
CD	DC

AB	BA
DC	CD



+	A	A	+
g	m	S	G
g	A	A	+
A	+		

AB	BC
CA	DA
CD	PA
CB	





$$P_s = 4 - 2c - e$$

$$1 + P_{sw} = 1 - 2c$$

$$2 + P_{nw} = 1 + a - c - 2d$$

$$3 + P_n = 0 + 3b + d + e$$

$$4 + P_{ne} = 0 + 2a - b + 2d$$

$$p = 4 - 2c - e$$

$$p = 2 - 2c$$

$$p = 3 + a - c - 2d$$

$$p = 3 + 3b + d + e$$

$$p = 4 + 2a - b + 2d$$

$$4 - 2c - e = 2 - 2c$$

$$2 - e = 0$$

$$-e = -2$$

$$e = 2$$

$$2 - 2c = 3 + a - c - 2d$$

$$0 = 1 + a + c - 2d \quad *$$

$$2 - 2c = 3 + 3b + d + 2$$

$$0 = 3 + 3b + 2c + d \quad * \checkmark$$

$$2 - 2c = 4 + 2a - b + 2d$$

$$0 = 2 + 2a - b + 2c + 2d \quad *$$

$$d = -3 - 3b - 2c$$

$$0 = 1 + a + c - 2(-3 - 3b - 2c)$$

$$= 1 + a + c + 6 + 6b + 4c$$

$$= 7 + a + 6b + 5c \quad * \quad \rightarrow a = -7 - 6b - 5c$$

$$0 = 2 + 2a - b + 2c + 2(-3 - 3b - 2c)$$

$$= 2 + 2a - b + 2c - 6 - 6b - 4c$$

$$= -4 + 2a - 7b - 2c \quad *$$

$$= -4 + 2(-7 - 6b - 5c) - 7b - 2c$$

$$= -4 - 14 - 12b - 10c - 7b - 2c$$

$$= -18 - 19b - 12c$$

$$12c = -18 - 19b$$

$$c = \frac{-18 - 19b}{12}$$

$$b = 12$$

$$c = -19$$

$$\begin{array}{r} 72 \\ \times 7 \\ \hline 245 \\ \hline 4 \end{array}$$

$$b = 1 \quad c = \frac{-18 - 19}{12} = \frac{-37}{12}$$

$$b = 2 \quad c = \frac{-18 - 38}{12} = \frac{-56}{12}$$

$$b = 3 \quad c = \frac{-18 - 57}{12} = \frac{-75}{12}$$

$$b = 4 \quad c = \frac{-94}{12}$$

$$b = 5$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 19 \\ \times 4 \\ \hline 76 \\ \hline 18 \\ \hline 94 \end{array}$$

$$\begin{array}{r} 19 \\ \times 5 \\ \hline 245 \\ \hline 95 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 19 \\ \times 3 \\ \hline 57 \\ \hline 18 \\ \hline 75 \end{array}$$

$$p = 4 - 2c - e$$

$$p = 0 - 2c$$

$$p = -1 + a - c - 2d$$

$$p = -3 + 3b + d + e$$

$$p = -4 + 2a - b + 2d$$

$$4 - 2c - e = -2c$$

$$e = 4$$

$$-2c = -1 + a - c - 2d$$

$$0 = -1 + a + c - 2d \quad * \quad a = 1 - c + 2d$$

$$-2c = -3 + 3b + d + 4$$

$$0 = 1 + 3b + 2c + d \quad * \quad d = -1 - 3b - 2c$$

$$-2c = -4 + 2a - b + 2d$$

$$0 = -4 + 2a - b + 2c + 2d \quad *$$

$$0 = -4 + 2(1 - c + 2d) - b + 2c + 2d$$

$$= -4 + 2 - 2c + 4d - b + 2c + 2d$$

$$= -2 - b + 6d \quad *$$

$$= -2 - b + 6(-1 - 3b - 2c)$$

$$= -2 - b - 6 - 18b - 12c$$

$$= -8 - 19b - 12c$$

$$12c = -8 - 19b$$

$$c = \frac{-8 - 19b}{12} = \frac{-2 - 19b}{12}$$

$$b = -2 \quad c = \frac{-2 + 36}{12} = \frac{36}{12} = 3$$

$$d = -1 - 3(-2) - 2(3)$$

$$= -1 + 6 - 6$$

$$= -1$$

$$a = 1 - 3 + 2(-1)$$

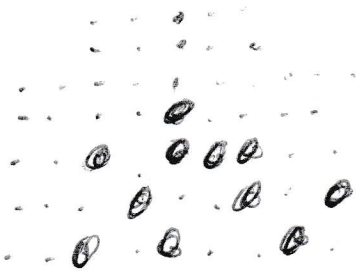
$$= -4$$

A	B	C	D	E	F
4	2	3	1	4	
L	L	R	L	R	
R	R	L	R	L	

19
38
57

12
24
36
48
60
72

variable



ABC	efg	cde	uvw	432	KL	LUD	def	MVe	NGB
FWN	xof	z23	qpo	nop	srq	ajs	tsr	bkt	YZa
IPY	NOP	QPO	SRQ	JQZ	qrs	tsr	Yhg	aZY	clu
ir2	32z	qpo	zyx	xwv	uvw	fed	Amv	vwx	xof
fgh	hYP	PON	CBA	EDC	AFM	CHO	XOH	MNO	OHC

	A	B	C	D	E		
	F	G	H	I	J		
KL	M	N	O	P	Q	R	S
TU	V	W	X	Y	Z	a	b
c	d	e	f	g	h	i	j
l	m	n	o	p	q	r	s
u	v	w	x	y	z	2	3
							4