

[illegible]

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[illegible][illegible][illegible]

- **F1** `/home/lewin/@Sync/Casket/obsidian/lewin/raw/ / / .md`
" " "
- **F2** `/home/lewin/@Sync/Casket/obsidian/lewin/raw/web/ - .md`
" " "
[]

[illegible]

--	--	--	--	--	--

[illegible]

0.1 卦象与二进制

- 卦象 由 8 个爻组成，每个爻可以是 阴爻 (broken line) 或 阳爻 (solid line)。1 个爻 / 二进制位 2 个爻 / 3 个爻 /
- 卦象 可以用 Python 列表 [阴, 阴, 阴] 表示 0 个爻 2 个爻
- 卦象 可以用 3 个二进制位表示 LSB, Bit 0 阴 Bit 1 阴 MSB (Bit 2) 阴
$$\text{Value} = \text{bit}_1 \times 1 + \text{bit}_2 \times 2 + \text{bit}_3 \times 4$$

卦序	卦名	卦象	爻象 (从下往上)	二进制 (Bit 0~2)	十进制	方位	卦象 (从下往上)
1	乾 (Qian)	☰	阳爻	[1, 1, 1]	7 (111b)	☰	☰ (Northwest)
2	兑 (Dui)	☱	阳爻	[1, 1, 0]	3 (011b)	☱	☱ (West)
3	离 (Li)	☲	阳爻	[1, 0, 1]	5 (101b)	☲	☲ (South)
4	震 (Zhen)	☳	阳爻	[1, 0, 0]	1 (001b)	☳	☳ (East)
5	巽 (Xun)	☴	阳爻	[0, 1, 1]	6 (110b)	☴	☴ (Southeast)
6	坎 (Kan)	☵	阳爻	[0, 1, 0]	2 (010b)	☵	☵ (North)
7	艮 (Gen)	☶	阳爻	[0, 0, 1]	4 (100b)	☶	☶ (Northeast)
8	坤 (Kun)	☷	阳爻	[0, 0, 0]	0 (000b)	☷	☷ (Southwest)

0.2 卦象与时间

卦序	卦名	时间	卦象	卦象
☰	1	23:00 — 01:00	☰	☰
☱	2	01:00 — 03:00	☱	☱
☲	3	03:00 — 05:00	☲	☲
☳	4	05:00 — 07:00	☳	☳
☴	5	07:00 — 09:00	☴	☴
☵	6	09:00 — 11:00	☵	☵
☶	7	11:00 — 13:00	☶	☶
☷	8	13:00 — 15:00	☷	☷
☰	9	15:00 — 17:00	☰	☰

日期	星期	时间段	地点	备注
10	10	17:00 — 19:00	10	10
11	11	19:00 — 21:00	11	11
12	12	21:00 — 23:00	12	12

0.3 日期时间戳

日期时间戳的表示方法如下：

- 日期时间戳的表示方法如下：
- 日期时间戳的表示方法如下：

日期时间戳的表示方法如下：

日期时间戳的表示方法如下：

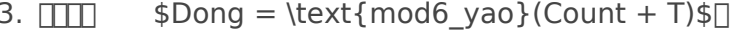
日期时间戳的表示方法如下：

日期时间戳 1.1 日期时间戳

- 日期时间戳的表示方法如下：
- 日期时间戳的表示方法如下：

- 
 - 
 -  “ 4 “
 “ ”

1.2

-  F1  F2
-  \$Count\$  \$T \in [1, 12]\$
- 
- 
 1.  \$Num_{upper} = Count\$  \$= \text{mod8_gua}(Count)\$
 2.  \$Num_{lower} = T\$  \$= \text{mod8_gua}(T)\$
 3.  \$Dong = \text{mod6_yao}(Count + T)\$
-  F1  F2

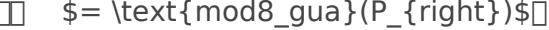
1.3

-  F1  F2
-  \$SoundCount\$  \$T \in [1, 12]\$
- 
 1.  \$Num_{upper} = SoundCount\$  \$= \text{mod8_gua}(SoundCount)\$
 2.  \$Num_{lower} = T\$  \$= \text{mod8_gua}(T)\$
 3.  \$Dong = \text{mod6_yao}(SoundCount + T)\$
- 

1.4

-  F1  F2

1.4.1

- 
- 
 -  / /  / /
 -  \$P_{left}\$  \$P_{right}\$
 -  \$= \text{mod8_gua}(P_{left})\$
 -  \$= \text{mod8_gua}(P_{right})\$
 -  \$= \text{mod6_yao}(P_{left} + P_{right})\$  
- 
 -  “ ” “ ”  “ ” “ ” “ ” 

- $\text{mod}8_gua$
- $\text{mod}6_yao$ / $\text{mod}8_gua$

1.4.2 $\text{mod}8_gua$

- $\text{mod}8_gua$
 - $1 \text{ } \$W_1 \$ 2 \text{ } \$W_2 \$$
 - $\$ = \text{mod}8_gua(W_1) \$$
 - $\$ = \text{mod}8_gua(W_2) \$$
 - $\$ = \text{mod}6_yao(W_1 + W_2) \$$ $\text{mod}8_gua$

1.4.3 $\text{mod}8_gua$

- $\text{mod}8_gua$
 - $1 \text{ } \$W_1 \$ \text{mod}8_gua(W_1) \$$
 - $2 \text{ } 3 \text{ } \$(W_2 + W_3) \$ \text{mod}8_gua(W_2 + W_3) \$$
 - $\$ = \text{mod}6_yao(W_1 + W_2 + W_3) \$$ $\text{mod}8_gua$

1.4.4 $\text{mod}8_gua$

- $\text{mod}8_gua$ “ ”
- $\text{mod}8_gua$ $\text{mod}6_yao$ / $\text{mod}8_gua$ $\$ = 1 \$$ $\$ = 2 \$$ $\$ = 3 \$$ $\$ = 4 \$$
- $\text{mod}8_gua$
 - $\text{mod}8_gua$ **4, 6, 8, 10** $\text{mod}8_gua$
 - $\text{mod}8_gua$ $\$Tone_{\{first\}} \$ \text{mod}8_gua$ $\$Tone_{\{second\}} \$$
 - $\$ = \text{mod}8_gua(Tone_{\{first\}}) \$$
 - $\$ = \text{mod}8_gua(Tone_{\{second\}}) \$$
 - $\$ = \text{mod}6_yao(Tone_{\{first\}} + Tone_{\{second\}}) \$$ $\text{mod}8_gua$
 - $\text{mod}8_gua$ **5, 7, 9** $\text{mod}8_gua$
 - $\text{mod}8_gua$ $\$N \$ \text{mod}8_gua$ $\$ = (N - 1) / 2 \$$ $\$ = (N + 1) / 2 \$$
 - $\text{mod}8_gua$ $\$Tone_{\{first\}} \$ \text{mod}8_gua$ $\$Tone_{\{second\}} \$$
 - $\$ = \text{mod}8_gua(Tone_{\{first\}}) \$$
 - $\$ = \text{mod}8_gua(Tone_{\{second\}}) \$$
 - $\$ = \text{mod}6_yao(Tone_{\{first\}} + Tone_{\{second\}}) \$$ $\text{mod}8_gua$
- $\text{mod}8_gua$ “ ”
 - $\text{mod}8_gua$
 - $\text{mod}8_gua$
 - ① $\text{mod}8_gua$ / $\text{mod}8_gua$ ②
 - 1 $\text{mod}8_gua$ 1 $\text{mod}8_gua$ 2 $\text{mod}8_gua$ 3 ③

1.4.5 $\text{mod}8_gua$

- $\text{mod}8_gua$ “ ”

- mod8_gua
 - $\text{mod8_gua}(N) \geq 11$
 - $\text{mod8_gua}(N/2) = \text{mod8_gua}(N/2)$
 - $\text{mod6_yao}(N) = \text{mod6_yao}(N)$
 - $\text{mod8_gua}((N-1)/2) = \text{mod8_gua}((N+1)/2)$
 - $\text{mod6_yao}(N) = \text{mod6_yao}(N)$

1.5

- $F1$ $F2$
- **1.5.1**
 - $\text{mod8_gua}()$
 - $\text{mod8_gua}()$
 - $\text{Dong} = \text{mod6_yao}() + ()$
 - $\text{mod6_yao}()$
- **1.5.2**
 - $\text{mod8_gua}()$
 - $\text{mod8_gua}()$
 - $\text{Dong} = \text{mod6_yao}() + () + ()$
 - $\text{mod6_yao}()$

1.6

- $F1$ $F2$
- $\text{mod8_gua}()$
 1. $\text{mod8_gua}()$
 2. $\text{mod8_gua}()$ (1) $\text{mod8_gua}()$ (2) $\text{mod8_gua}()$ (3) $\text{mod8_gua}()$ (4) $\text{mod8_gua}()$ (5) $\text{mod8_gua}()$ (6) $\text{mod8_gua}()$ (7) $\text{mod8_gua}()$ (8) $\text{mod8_gua}()$
 3. $\text{mod8_gua}()$ (1) $\text{mod8_gua}()$ (4) $\text{mod8_gua}()$ (3) $\text{mod8_gua}()$ (6) $\text{mod8_gua}()$ (7) $\text{mod8_gua}()$ (2)
 4. $\text{mod8_gua}()$ (1) $\text{mod8_gua}()$ (8) $\text{mod8_gua}()$ (6) $\text{mod8_gua}()$ (3)
 5. $\text{mod8_gua}()$ / (4/5) $\text{mod8_gua}()$ (3) $\text{mod8_gua}()$ / (1/2) $\text{mod8_gua}()$ (6) $\text{mod8_gua}()$ / (8/7)
- $\text{mod6_yao}()$

1.7

- $F1$ $F2$
- $\text{mod8_gua}()$ “ $\text{mod8_gua}()$ ”
- $\text{mod6_yao}()$
 - $\text{mod6_yao}()$ / $\text{mod6_yao}()$ $\text{Gua}_{\text{obj}} \in [1, 8]$

- o `\begin{cases} \text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`

3.2

- `F1` `F2`
- `\begin{cases} \text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`

3.3 “ ”

- `F1` `F2`
- `\begin{cases} \text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`
- o `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`

```
if Dong is 1 or Dong is 2:
    # Dong is 1 or 2
    Dong = Dong [2, 3, 4]
    Dong = Dong [3, 4, 5]
else:
    # Dong is 3
    Dong = Dong [2, 3, 4]
    Dong = Dong [3, 4, 5]
```

- `\text{Dong} \text{ in } \{1, 2, 3\} \& \text{Dong} \text{ in } \{4, 5, 6\} \& \end{cases}`

[illegible]

- 
 1. 
 2. 

 3. 

\$0 \to 1, 1 \to 0\$
- 
 - 
 - 
 - 

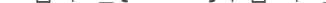
** **

[illegible]

1

4.1

[illegible]

1.  $\$E_{\{other\}} \$E_{\{ti\}}$
2.  $\$E_{\{other\}} == E_{\{ti\}}$
3.  $\$E_{\{ti\}} \$E_{\{other\}}$ / 
4.  $\$E_{\{ti\}} \$E_{\{other\}}$ / 
5.  $\$E_{\{other\}} \$E_{\{ti\}}$ 

4.2

[illegible]

1

- [illegible]

- 

					
	 ( / )	 ()	 ()	 ( / )	 ( / )
	 ()	 ( / )	 ( / )	 ()	 ( / )
	 ( / )	 ()	 ( / )	 ()	 ( / )
 	 ( / )	 ( / )	 ()	 ( / )	 ()

4.3

-  
 - 
 - 
-  
 - 
 - 
-  
 - 
 -  /  $\implies$ 
 -  /  $\implies$ 

-   F1   F2 
- 

5.1

-   $\text{\$Sum_all} = \text{\text{\{array of 4 empty boxes\}}} + \text{\text{\{array of 4 empty boxes\}}} + \text{\text{\{array of 4 empty boxes\}}} + \text{\text{\{array of 4 empty boxes\}}} + \text{\text{\{array of 4 empty boxes\}}}$

-  
 -   $\text{\$}\text{\text{\{array of 2 empty boxes\}}} \text{TimeCount} = \lfloor \text{Sum_all} / 2 \rfloor \text{\text{\{array of 2 empty boxes\}}} \text{Sum_all} / 2$
 -   $\text{\$}\text{\text{\{array of 2 empty boxes\}}} \text{TimeCount} = \text{Sum_all} \times 2$

-   $\text{TimeCount} = \text{Sum}_{\{\text{all}\}}$
-  

5.2

 TimeCount 

- 
 -   
-  / 
 -   
- 
 -   

5.3





- 
 - 
 -  


- 
 - 
 -  

-  



-  $F1$  $F2$


6.1

-  

步骤	数据	初始化	数据	【初始化】	【
2	数据	数据 “ ”	数据 “ ”	数据	数据
3	数据	数据	数据	数据	数据
4	数据	数据 “ ”	数据 “ ”	数据 “ ”	数据 “ ”
5	数据	数据	数据	数据	数据
6	数据	数据 “ ”	数据 “ ”	数据	数据
7	数据	数据	数据	数据	数据 5x5
8	数据	数据	数据	数据	数据

Python

Python

Python

```
# coding: utf-8
from dataclasses import dataclass
from typing import Tuple, List

# 数据
BAGUA_NAMES = ["", " ", " ", " ", " ", " ", " ", " ", " "]
```

```
BAGUA_ELEMENTS = ["", "☯", "☰", "☷", "☵", "☶", "☴", "☱", "☲"]
```

```
# 00000000: 0, 1: 000000000000[00, 00, 00]
```

```
BAGUA_YAO = {  
    1: [1, 1, 1], # ☰ (00)  
    2: [1, 1, 0], # ☶ (00, 00, 00)  
    3: [1, 0, 1], # ☱ (00, 00, 00)  
    4: [1, 0, 0], # ☷ (00, 00, 00)  
    5: [0, 1, 1], # ☵ (00, 00, 00)  
    6: [0, 1, 0], # ☴ (00, 00, 00)  
    7: [0, 0, 1], # ☳ (00, 00, 00)  
    8: [0, 0, 0], # ☰ (00)  
}
```

```
def mod8_gua(n: int) -> int:  
    r = n % 8  
    return 8 if r == 0 else r
```

```
def mod6_yao(n: int) -> int:  
    r = n % 6  
    return 6 if r == 0 else r
```

```
def get_gua_by_yao(yao: List[int]) -> int:  
    for g, y in BAGUA_YAO.items():  
        if y == yao:  
            return g  
    return 8
```

```
@dataclass  
class HexagramResult:  
    upper_gua: int          # 00000 (1-8)  
    lower_gua: int          # 00000 (1-8)  
    dong_yao: int           # 000 (1-6)  
    ti_gua: int             # 00000 (1-8)  
    yong_gua: int           # 00000 (1-8)  
    ti_is_upper: bool       # 00000000  
    hu_upper: int           # 000000 (1-8)  
    hu_lower: int           # 000000 (1-8)  
    bian_upper: int         # 00000000 (1-8)  
    bian_lower: int        # 00000000 (1-8)
```

```

def deduce_meihua(upper: int, lower: int, dong: int) -> HexagramResult:
    # 1. ䷀䷁䷂ (䷀䷁䷂, ䷀0䷁5)
    six_lines = BAGUA_YAO[lower] + BAGUA_YAO[upper]

    # 2. ䷀䷁ (䷀䷁䷂䷃䷄䷅䷆䷇䷈䷉䷊䷋䷌䷍䷎䷏)
    if dong in [1, 2, 3]:
        ti_gua = upper
        yong_gua = lower
        ti_is_upper = True
    else:
        ti_gua = lower
        yong_gua = upper
        ti_is_upper = False

    # 3. ䷀䷁ (䷀䷁䷂䷃䷄䷅䷆䷇䷈䷉䷊䷋䷌䷍䷎䷏)
    bian_lines = list(six_lines)
    target_idx = dong - 1
    bian_lines[target_idx] = 1 if bian_lines[target_idx] == 0 else 0
    bian_lower = get_gua_by_yao(bian_lines[0:3])
    bian_upper = get_gua_by_yao(bian_lines[3:6])

    # 4. ䷀䷁䷂䷃䷄䷅䷆䷇䷈䷉䷊䷋䷌䷍䷎䷏“䷀䷁䷂䷃䷄䷅䷆䷇䷈䷉䷊䷋䷌䷍䷎䷏”䷀䷁䷂
    if (upper == 1 and lower == 1) or (upper == 8 and lower == 8):
        # ䷀䷁䷂䷃䷄䷅䷆䷇䷈䷉䷊䷋䷌䷍䷎䷏
        hu_lower = get_gua_by_yao([bian_lines[1], bian_lines[2], bian_lines[3]])
        hu_upper = get_gua_by_yao([bian_lines[2], bian_lines[3], bian_lines[4]])
    else:
        # ䷀䷁ (䷀䷁䷂䷃䷄䷅䷆䷇䷈䷉䷊䷋䷌䷍䷎䷏)
        hu_lower = get_gua_by_yao([six_lines[1], six_lines[2], six_lines[3]])
        hu_upper = get_gua_by_yao([six_lines[2], six_lines[3], six_lines[4]])

    return HexagramResult(
        upper_gua=upper,
        lower_gua=lower,
        dong_yao=dong,
        ti_gua=ti_gua,
        yong_gua=yong_gua,
        ti_is_upper=ti_is_upper,
        hu_upper=hu_upper,

```

```
hu_lower=hu_lower,  
bian_upper=bian_upper,  
bian_lower=bian_lower  
)
```

“ ”
[]
[]
[]

#2
Admin 2026-09-08 13:50:29 CST
Admin 2026-09-08 13:51:07 CST