

660	n	6	5	5	6	11	11	
1A	2A	3A	5A	5B	6A	11A	11B	freq
1	1	1	1	1	1	1	1	:
5	1	-1	0	0	1	611	11	↑
5	1	-1	0	0	1	11	611	↓
10	2	1	0	0	-1	-1	-1	:
10	-2	1	0	0	1	-1	-1	:
11	-1	-1	1	1	-1	0	0	:
12	0	0	65	x	0	1	1	:
12	0	0	x	65	0	1	1	:

$$65 = \frac{-1 \pm \sqrt{5}}{2}$$

(3, 5A, 6)

(3, 5B, 6)

355 AAA F
556 ADGGGHHI

666 AC

256 BH

335 BG

566 CF ~~HI~~ HI

555 C DDD GHHH

356 DEFG

255 EI

266 F

336 GI

~~566 HI~~

366 I ~~HI~~

$$* 255 \quad 1 - 1/11 = \frac{10}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5} = 2 \quad \left. \begin{array}{l} \\ \end{array} \right\} EI \times 2 \quad \begin{array}{l} \uparrow \\ \downarrow \end{array}$$

$$* 255' \quad \xrightarrow{2} 2 \quad \left. \begin{array}{l} \\ \end{array} \right\} \times 1 \quad \downarrow$$

$$256 \quad 1 + 1/11 = \frac{12}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5 \cdot 6} = 2 \quad \left. \begin{array}{l} \\ \end{array} \right\} BH \times 1$$

$$\frac{2 \cdot 660}{2 \cdot 3 \cdot 5 \cdot 6} \quad 266 \quad 1 + 1/5 + 1/5 + 2/10 - 2/10 - 1/11 \Rightarrow 2 \quad \left. \begin{array}{l} \\ \end{array} \right\} F \times 2$$

$$* 335 \quad 1 + 1/11 = \frac{12}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5} = 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} BG \times 2$$

$$336 \quad 1 + 1/5 + 1/5 - 1/10 + 1/10 - 1/11 = \frac{22}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5 \cdot 6} = 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} GI \times 2$$

$$* 355 \quad 1 - 1/11 = \frac{10}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5} \Rightarrow 4 = 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} AAAF \left. \begin{array}{l} \times 2 \\ \times 1 \end{array} \right\}$$

$$* 355' \quad \xrightarrow{4} 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} \times 1$$

$$356 \quad 1 + 1/11 = \frac{12}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5 \cdot 6} \rightarrow 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} DEFG \times 1$$

$$\S 366 \quad 1 + 1/5 + 1/5 - 1/10 - 1/10 - 1/11 = \frac{29}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5 \cdot 6} \rightarrow 2 \frac{1}{6} \quad \left. \begin{array}{l} \\ \end{array} \right\} I \times 2$$

$$* 555 \quad 1 + 1/11 + \frac{65^2 \cdot 65^2}{12} = \frac{25 \cdot 660}{2 \cdot 3 \cdot 5} = 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} CDDDGHHM \times 2 \quad ?$$

$$+ 555' \quad 1 + 1/11 + \frac{65^2 \cdot 65^2}{12} = \frac{55 \cdot 660}{2 \cdot 3 \cdot 5} = 6 \frac{1}{2}$$

$$556 \quad 1 - 1/11 = \frac{10}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5} = 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} ADGGGHHI \times 2$$

$$55'6 \quad \xrightarrow{4} 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} \times 1$$

$$566 \quad 1 + 1/11 = \frac{12}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5 \cdot 6} \Rightarrow 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} CF ~~HI~~ HI \times 2$$

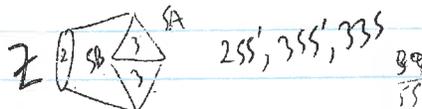
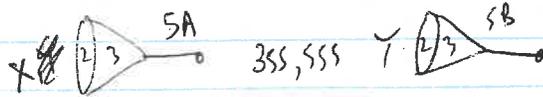
$$666 \quad 1 + 1/5 + 1/5 - 1/10 - 1/10 - 1/11 = \frac{72}{11} \cdot \frac{660}{2 \cdot 3 \cdot 5 \cdot 6} \Rightarrow 4 \quad \left. \begin{array}{l} \\ \end{array} \right\} AC \times 2$$

$$65^3 = -1 + 3 \cdot 65 - 3 \cdot 65^2 + 65^3 = -2 \cdot 65$$

$$\therefore \frac{65^3 + 2 \cdot 65}{65} = \frac{-2 \cdot 65 + 2 \cdot 65}{65} = 0$$

$$65 \cdot 65^2 = \frac{1-5}{4} = -1$$

$$\therefore 65^2 \cdot 65^2 = -65^2 \cdot 65 = 1$$



*: these happen in A

+: in 11's & 5

§: in 6