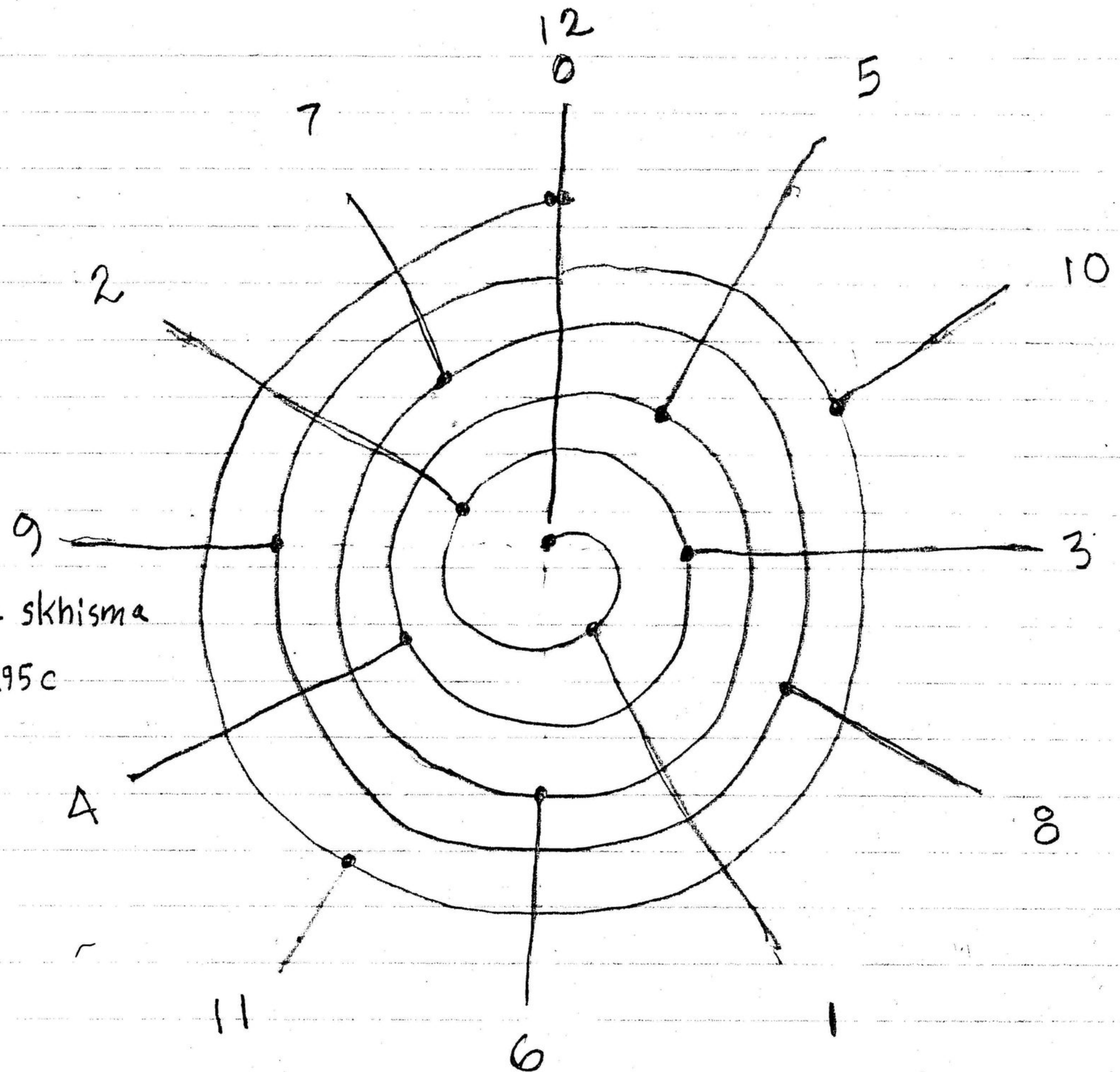


The 3-gap theorem (Steinhaus conjecture) revisited

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To Jonathan Gleason
From Ervin Wilson 25 Oct 2005

Fig 1



* Note that $\frac{2187}{2048}$ is a skhisma larger than $\frac{16}{15} \cdot 1.95c$

2-Gap Pattern (2GP)
3-Gap Pattern (3GP)

Fig 2

	0	5	10	3	8	1	6	11	4	9	2	7	12	
2GP		4/3					3/2							MOS
2GP		4/3					4/3					9/8		MOS
3GP		32/27			9/8		4/3					9/8		
2GP		32/27			9/8		32/27			9/8		9/8		MOS
3GP	$\frac{256}{243}$		9/8		9/8		32/27			9/8		9/8		
2GP	$\frac{256}{243}$		9/8		9/8		$\frac{256}{243}$		9/8		9/8		9/8	MOS
3GP	$\frac{256}{243}$		9/8		9/8		$\frac{256}{243}$		9/8		9/8		$\frac{256}{243}$ $\frac{2187}{2048}$	
3GP	$\frac{256}{243}$		9/8		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$		9/8		9/8		$\frac{256}{243}$ $\frac{2187}{2048}$	
3GP	$\frac{256}{243}$		9/8		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$		9/8		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$ $\frac{2187}{2048}$	
3GP	$\frac{256}{243}$	$\frac{256}{243}$	$\frac{2187}{2048}$		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$		9/8		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$ $\frac{2187}{2048}$	
2GP	$\frac{256}{243}$	$\frac{256}{243}$	$\frac{2187}{2048}$		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$ $\frac{2187}{2048}$		$\frac{256}{243}$ $\frac{2187}{2048}$	MOS

Annotated for "4" $\frac{4}{3}$ 24 OCT 05. EW Bilawal Tonic * 17 OCT 05. EW

17
29
41
53
94

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Fig 1

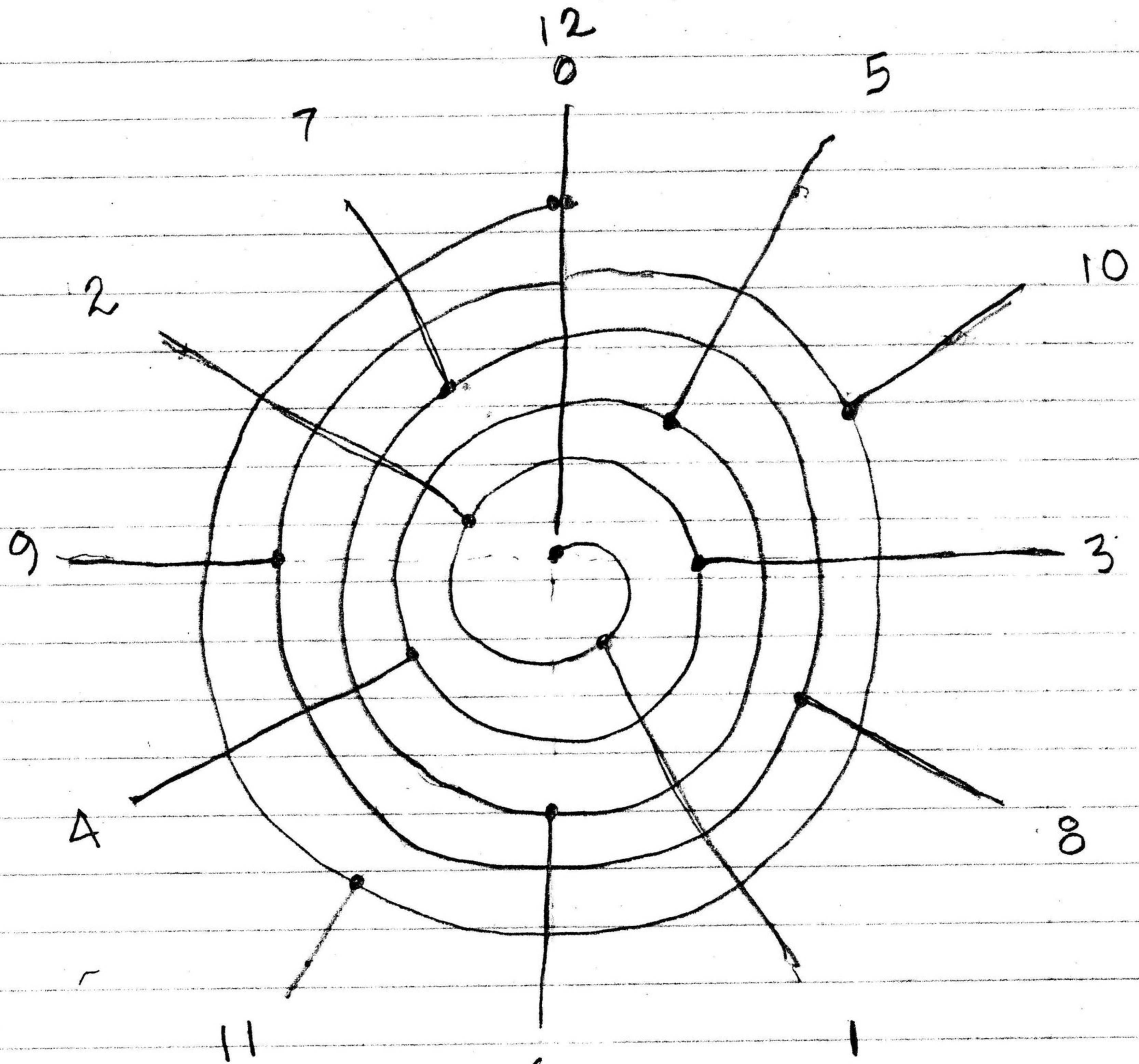


Fig 2

