Liars

	M	T	W	H	F	S	SUN
A	L	L	L	T	T	T	T
B	T	T	T	L	L	L	T
A says: lied yest.	*			*			
B says lied yest.				*			*
A says truth yest.		*	*		*	*	*
B says truth yest.	*	*	*		*	*	

So, both will say they lied yesterday on Thursday only.
Both will say they told the truth yesterday on Tuesday, Wednesday, Friday, Saturday.

ABC; ABC-CBA = CAB

A is not 0 because it is larger than B and C.
Since B – B = A, it must be 0 or 9, so A is 9.
C-9=B, so C+B = 9 and C<B. 4+5=9, 3+6=9, 2+7=9,1+8=9
Try C=4 and it works.
A= 9
B=5
C=4
Strategies, guess & check, logic, write equations, change it to an addition problem.

Sam the snail

Sam starts at A which is one. To get to B there is still only one way. To get to C Sam can go from A to B then C or just from A to C. (2 Ways) To get to D Sam can go from A to B to D, A to B to C to D, or A to C to D. (3 Ways) To get to E Sam can go A to B to D to E, A to B to C to E, A to B to D to E, A to C to D to E, A to C to E. (5 ways). At this point you can see the Fibonacci sequence arising. You can thendetermine the 26^{th} entry in the sequence. You should get there are 121,393 ways Sam can traverse the path from A to Z.