

## Eleventh Day of Christmas Walkthrough

We have 10 Pipers, 9 Lord-Ladies, 4 Maids, Rings, and Me to fit in. No 3 Pipers are in a straight line, so that **every row and column has 2 pipers.**

It's not possible for a piper to be in c3. As there cannot be 3 in a line, there can only be one of each of the 8 colours below:

		Piper		

So it is not possible to fit 10 pipers including the centre, so that's where the Rings are.

**A1 is a Piper and C3 is Rings, E5 is Piper**

We learn there is a conga from E1 to A5

**E1 is LL and A5 is LL and C4 is a Piper**

<b>Piper</b>				<b>LL</b>
		<b>Rings</b>	<b>Piper</b>	
<b>LL</b>				<b>Piper</b>

There is a 9 step chain joining E1 and A5. If the chain passed underneath the rings then B5, C5, D5 would all be LL. But then the 5<sup>th</sup> column could not hold 2 pipers. Thus the Conga passes over the Rings, and

**B2 is a LL**

If B1 were a LL then C1 and D1 would also be LL and column 1 would not have 2 pipers. Thus C2 is an LL, Similarly from the top row, A2 cannot be an LL and B3 is,

**B3 and C2 are LL**

Now A3 cannot be a Piper (because of C4 and E5). Thus in the 3<sup>rd</sup> column,

**D3 and E3 are Pipers**

Piper				LL
	LL	LL		
	LL	Rings	Piper	
		Piper		
LL		Piper		Piper

Now E2 cannot be a piper (as E3 and E5 are.) So from the 2<sup>nd</sup> column

**A2 and D2 are Pipers**

Then C1 and D1 must be LL and B1 is a Piper. Completing the Pipers and LLs, we learn that

Me is at E2 and hence the Maids are in the blanks, giving

Piper	Piper	LL	LL	LL
Piper	LL	LL	Piper	Maids
LL	LL	Rings	Piper	Piper
LL	Piper	Piper	Maids	Maids
LL	(Me)	Piper	Maids	Piper

We are told that the thief is adjacent to 2LLs, 3 Pipers and No Maids. This gives B5 or E2 as possibilities. But B5 denies it, and we believe them. So the thief must be at E2,