

The below outlines the progression of the eight members of the dinner party and the houses they visit. The numbers next to the house and character names indicate which iteration of that particular thing (house or person) is present at that given point in the movie. For example, the whole party begins in House 1. When Hugh and Amir return for the first time, they are from another quantum state, and are thus Hugh 2 and Amir 2, and so on and so forth. Numbers are only given to iterations we hear speak/interact with directly. It is important to note that the numbers only indicate iterations, not sets of people. For example, Hugh 2 and Mike 2 do not come from the same House, they are merely the second iterations of those characters we have encountered in the movie. The colors next to the house names indicate whether the people originally in that house opted for blue or red glowsticks. Importantly, the last house, which Em enters, where everyone is unaffected by the comet, represents the final iteration of everyone we see in the movie and is thus denoted with an H (for happy). Character cells highlighted in red indicate an instance where two different iterations of one character come into contact. Finally, it is assumed that, per Em's guess, crossing the dark area - and certainly, approaching another house - denotes passing into another quantum system and an inability to return to one previous. Diagrams detail the descriptive steps preceeding them.

Movie begins.  
 Conversation between Beth and Lee about the plant ornament in the kitchen occurs. Hugh's phone breaks.  
 Comet is passing, electricity goes out, everyone grabs blue glowsticks as they venture outside to explore the neighborhood and then return to the house.

<b>Step 1</b>	<b>House 1 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth	Hugh	Lee	Mike	Laurie	Amir
<i>Outside the House</i>								

Hugh and Amir leave to explore the house in the distance with lights still on.

<b>Step 2</b>	<b>House 1 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth		Lee	Mike	Laurie	
<i>Outside the House</i>				Hugh				Amir

Em, Kevin, Laurie, and Mike leave to find Hugh and Amir after hearing noises at the door (from another iteration of Hugh and Amir)

<b>Step 3</b>	<b>House 1 (Blue)</b>							
<i>Inside the House</i>			Beth	Lee (naps)				
<i>Outside the House</i>	Em	Kevin		Hugh		Mike	Laurie	Amir

Em, Kevin, Laurie, and Mike see another iteration of themselves, holding red glowsticks.

<b>Step 4</b>	<b>House 1 (Blue)</b>							
<i>Inside the House</i>			Beth	Lee (naps)				
<i>Outside the House</i>	Em & Em ?	Kevin & Kevin ?		Hugh		Mike & Mike ?	Laurie & Laurie ?	Amir

Em, Kevin, Laurie, and Mike sprint into House 2, where they find Beth 2 and Lee 2.

<b>Step 5</b>	<b>House 2 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth 2		Lee 2 (awake)	Mike	Laurie	
<i>Outside the House</i>				Hugh 2				Amir 2

*Note: this assumes that in this quantum system, not only were Beth and Lee also staying back in the house, but the other 6 characters left House 2 in the same groupings and in the same order*  
 Hugh 2 and Amir 2 return to House 2 with the box that contains the first set of pictures and numbers written in red (Set 1 - Red Set)

<b>Step 6</b>	<b>House 2 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth 2	Hugh 2	Lee 2	Mike	Laurie	Amir 2
<i>Outside the House</i>								

Hugh 2 says he saw Lee in the house he visited but Lee was napping, so it had to be another iteration of Lee.  
 Back in House 2, Lee 2 appears awake and we discover she took Ketamin, second conversation about the plant with Beth 2 takes place, making Em suspicious.  
 Beth 2 explains where Hugh's brother's physics book is, which Hugh 2 retrieves, leading to discovery and debate of the Schrödinger Cat experiment.  
 Mike leaves to blackmail himself in what he assumes is the only other house in existence.

<b>Step 7</b>	<b>House 2 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth 2	Hugh 2	Lee 2		Laurie	Amir 2
<i>Outside the House</i>						Mike		

Mike 2 returns and thinks he was gone 45 minutes, instead of the 5 Kevin says he was.  
*Note: this assumes that in another quantum system, Mike 2 left to blackmail himself and just so happened to make it to House 2, where the same thing had occurred simultaneously with Mike.*

<b>Step 8</b>	<b>House 2 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth 2	Hugh 2	Lee 2	Mike 2	Laurie	Amir 2
<i>Outside the House</i>								

Lee 2 says Mike 2 isn't the man she married. Beth 2 takes Ketamin, sees Kevin and Laurie kiss, and tells Em.  
 Hugh 2 and Amir 2 realize they are in a blue house, because the red glowsticks are unopened and they have red glowsticks. They leave with the box containing the first set of pictures and numbers written in red (Set 1 - Red Set).

<b>Step 9</b>	<b>House 2 (Blue)</b>								
<i>Inside the House</i>	Em	Kevin	Beth 2		Lee 2	Mike 2	Laurie		
<i>Outside the House</i>				Hugh 2			Amir 2		

Hugh 3 and Amir 3 return to House 2. They have blue glowsticks, and Hugh 3's phone isn't broken.  
*Note: this assumes that in the quantum system they came from, Hugh 3 and Amir 3 were the only ones outside the house and they had left together, just like in the original quantum system.*

<b>Step 10</b>	<b>House 2 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth 2	Hugh 3	Lee 2	Mike 2	Laurie	Amir 3
<i>Outside the House</i>								

Gang hears a car broken into, everyone goes to find Hugh 3's car has been broken into via the rear window.  
 Em wanders off, retrieves Ring 1 from the car, and confronts Kevin 2.  
 Em returns to House 2 once she realizes she has encountered Kevin 2.  
*Note: We know she returns to House 2 and not a third house because when she returns and faces Kevin, he he is still acting strangely due to kissing Laurie.*  
 Gang creates second set of pictures, different from the first, with new set of numbers written in blue (Set 2 - Blue Set).  
 Em, now suspicious, asks everyone to tell her what their original numbers were from Set 1/Red Set.  
 Hugh 3 and Amir 3 give incorrect numbers, exposing themselves as from another house. This is further confirmed by Hugh's fixed phone.  
 News about Beth (generically) sleeping with Mike (generically) comes out.  
 Mike 2 and Hugh 3 fight over Beth 2. Mike 2 tries to explain to Hugh 3 that he isn't the same Mike who slept with who isn't the same Beth.  
 Mike 3 bursts in and beats up Mike 2, then leaves.

<b>Step 11</b>	<b>House 2 (Blue)</b>							
<i>Inside the House</i>	Em	Kevin	Beth 2	Hugh 3	Lee 2	Mike 2 & Mike 3	Laurie	Amir 3
<i>Outside the House</i>								

While everyone tends to Mike 2. Em sneaks out into the abyss and sees multiple houses/quantum systems.  
 Em chooses to enter a house where everyone is happy, a quantum system in which the comet isn't affecting the gang's night.  
 Gang in House 3 hears a car broken into, everyone goes to find Hugh's windshield is broken (not rear window like before). Everyone goes out to check their own cars.  
 Em goes out to the car Em 2 is at to kill Em 2 and takes her place upon entering House 3.

<b>Step 12</b>	<b>House 3 (No Color)</b>							
<i>Inside the House</i>	Em	Kevin 3 (H)	Beth 3 (H)	Hugh 4 (H)	Lee 3 (H)	Mike 4 (H)	Laurie 2 (H)	Amir 4 (H)
<i>Outside the House</i>								

Em is in the house and sees Em 2 is still alive and approaching the bathroom. Em attempts to finish off Em 2 again, knocking her out. Em takes Ring 2 from her, not realizing that Ring 1 fell off and is on the bathroom floor. Em stashes Em 2 in the shower and passes out when she re-enters the party.

<b>Step 13</b>	<b>House 3 (No Color)</b>							
<i>Inside the House</i>	Em & Em 2 (H)	Kevin 2 (H)	Beth 3 (H)	Hugh 4 (H)	Lee 3 (H)	Mike 4 (H)	Laurie 2 (H)	Amir 4 (H)
<i>Outside the House</i>								

Em wakes up wearing Ring 2, finds Em 2 is gone from the bathroom, and the comet has passed.

<b>Step 14</b>	<b>House 3 (No Color)</b>							
<i>Inside the House</i>	Em	Kevin 3 (H)	Beth 3 (H)	Hugh 4 (H)	Lee 3 (H)	Mike 4 (H)	Laurie 2 (H)	Amir 4 (H)
<i>Outside the House</i>								

Em leaves the house to sees Kevin 3 (H) out front. Kevin 3 (H) gives Em Ring 1, which he found on the bathroom floor.  
 Kevin 3 (H) gets a call from Em 2.

<b>Step 15</b>	<b>House 3 (No Color)</b>							
<i>Inside the House</i>			Beth 3 (H)	Hugh 4 (H)	Lee 3 (H)	Mike 4 (H)	Laurie 2 (H)	Amir 4 (H)
<i>Outside the House</i>	Em & Em 2 (H)	Kevin 2 (H)						

Movie ends.