Sheet1

This is what it looks like initially

MALE								
Matched?	ed? 0 1 2 3 4							
F	Victor	Bertha	Amy	Diane	Erika	Clare		
F	Wyatt	Diane	Bertha	Amy	Clare	Erika		
F	Xavier	Bertha	Erika	Clare	Diane	Amy		
F	Yancey	Amy	Diane	Clare	Bertha	Erika		
F	Zeus	Bertha	Diane	Amv	Erika	Clare		

	FEMALE								
	0 1 2 3 4								
Amy	Zeus	Victor	Wyatt	Yancey	Xavier				
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus				
Clare	Wyatt	Xavier	Yancey	Zeus	Victor				
Diane	Victor	Zeus	Yancey	Xavier	Wyatt				
Erika	Yancey	Wyatt	Zeus	Xavier	Victor				

## Match until we hit a problematic area.

	MALE								
Matched?	Matched? 0 1 2 3 4								
Т	Victor	Bertha	Amy	Diane	Erika	Clare			
Т	Wyatt	Diane	Bertha	Amy	Clare	Erika			
F	Xavier	Bertha	Erika	Clare	Diane	Amy			
F	Yancey	Amy	Diane	Clare	Bertha	Erika			
F	Zeus	Bertha	Diane	Amy	Erika	Clare			

	FEMALE								
	0 1 2 3 4								
Amy	Zeus	Victor	Wyatt	Yancey	Xavier				
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus				
Clare	Wyatt	Xavier	Yancey	Zeus	Victor				
Diane	Victor	Zeus	Yancey	Xavier	Wyatt				
Erika	Yancey	Wyatt	Zeus	Xavier	Victor				

Assign the better match, but instead of going back to the top to Victor, we keep proceeding until the end of the array.

	MALE								
Matched?	Matched? 0 1 2 3 4								
F	Victor	Bertha	Amy	Diane	Erika	Clare			
Т	Wyatt	Diane	Bertha	Amy	Clare	Erika			
Т	Xavier	Bertha	Erika	Clare	Diane	Amy			
F	Yancey	Amy	Diane	Clare	Bertha	Erika			
F	Zeus	Bertha	Diane	Amy	Erika	Clare			

	FEMALE								
	0 1 2 3 4								
Amy	Zeus	Victor	Wyatt	Yancey	Xavier				
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus				
Clare	Wyatt	Xavier	Yancey	Zeus	Victor				
Diane	Victor	Zeus	Yancey	Xavier	Wyatt				
Erika	Yancey	Wyatt	Zeus	Xavier	Victor				

After one full iteration, you get the following table.

Victor and Wyatt got "unmatched" because a better partner was found in the subsequent row

	MALE								
Matched?		0 1 2 3 4							
F	Victor	Bertha	Amy	Diane	Erika	Clare			
F	Wyatt	Diane	Bertha	Amy	Clare	Erika			
Т	Xavier	Bertha	Erika	Clare	Diane	Amy			
Т	Yancey	Amy	Diane	Clare	Bertha	Erika			
Т	Zeus	Bertha	Diane	Amy	Erika	Clare			

	FEMALE								
	0 1 2 3 4								
Amy	Zeus	Victor	Wyatt	Yancey	Xavier				
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus				
Clare	Wyatt	Xavier	Yancey	Zeus	Victor				
Diane	Victor	Zeus	Yancey	Xavier	Wyatt				
Erika	Yancey	Wyatt	Zeus	Xavier	Victor				

We go back to the top (to Victor) to check for unmatched males and continue down.

			-							
		MALE								
Matched? 0 1 2 3										
>>	F	Victor	Bertha	Amy	Diane	Erika	Clare			
	F	Wyatt	Diane	Bertha	Amy	Clare	Erika			
	Т	Xavier	Bertha	Erika	Clare	Diane	Amy			
	T	Yancey	Amy	Diane	Clare	Bertha	Erika			
	T	Zeus	Bertha	Diane	Amy	Erika	Clare			

	FEMALE									
	0 1 2 3 4									
Amy	Zeus	Victor	Wyatt	Yancey	Xavier					
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus					
Clare	Wyatt	Xavier	Yancey	Zeus	Victor					
Diane	Victor	Zeus	Yancey	Xavier	Wyatt					
Erika	Yancey	Wyatt	Zeus	Xavier	Victor					

	MALE								
	Matched?		0	1	2	3	4		
	T	Victor	Bertha	Amy	Diane	Erika	Clare		
>>	F	Wyatt	Diane	Bertha	Amy	Clare	Erika		
	T	Xavier	Bertha	Erika	Clare	Diane	Amy		
	F	Yancey	Amy	Diane	Clare	Bertha	Erika		
	T	Zeus	Bertha	Diane	Amy	Erika	Clare		

	FEMALE								
	0 1 2 3 4								
Amy	Zeus	Victor	Wyatt	Yancey	Xavier				
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus				
Clare	Wyatt	Xavier	Yancey	Zeus	Victor				
Diane	Victor	Zeus	Yancey	Xavier	Wyatt				
Erika	Yancey	Wyatt	Zeus	Xavier	Victor				

Sheet1

	MALE								
	Matched?		0	1	2	3	4		
	Т	Victor	Bertha	Amy	Diane	Erika	Clare		
	T	Wyatt	Diane	Bertha	Amy	Clare	Erika		
	Т	Xavier	Bertha	Erika	Clare	Diane	Amy		
>	F	Yancey	Amy	Diane	Clare	Bertha	Erika		
	T	Zeus	Bertha	Diane	Amy	Erika	Clare		

FEMALE							
	0		2	3	4		
Amy	Zeus	Victor	Wyatt	Yancey	Xavier		
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus		
Clare	Wyatt	Xavier	Yancey	Zeus	Victor		
Diane	Victor	Zeus	Yancey	Xavier	Wyatt		
Erika	Yancey	Wyatt	Zeus	Xavier	Victor		

The loop will go back to the top one more time to check if all the males have a match, giving us the final table.

MALE								
Matched?		0	1	2	3	4		
Т	Victor	Bertha	Amy	Diane	Erika	Clare		
Т	Wyatt	Diane	Bertha	Amy	Clare	Erika		
Т	Xavier	Bertha	Erika	Clare	Diane	Amy		
Т	Yancey	Amy	Diane	Clare	Bertha	Erika		
Т	Zeus	Bertha	Diane	Amy	Erika	Clare		

	FEMALE							
	0	1	2	3	4			
Amy	Zeus	Victor	Wyatt	Yancey	Xavier			
Bertha	Xavier	Wyatt	Yancey	Victor	Zeus			
Clare	Wyatt	Xavier	Yancey	Zeus	Victor			
Diane	Victor	Zeus	Yancey	Xavier	Wyatt			
Erika	Yancey	Wyatt	Zeus	Xavier	Victor			