

1. human(?x) U human(?y)  
{'?x': '?y'}
2. likes(?x,?y) U likes(pat0, chris2)  
{'?y': 'chris2', '?x': 'pat0'}
3. likes(?x,?x) U likes(pat0, chris2)  
None
4. likes(?x,?x) U likes(?y, pat0)  
{'?y': 'pat0', '?x': '?y'}
5. likes(pat0,?x) U likes(?y, pat0)  
{'?y': 'pat0', '?x': 'pat0'}
6. likes(?x,?y) U likes(friend(pat0),pat0)  
{'?y': 'pat0', '?x': ['friend', 'pat0']}
7. likes(friend(?x),?x) U likes(friend(?y),?y)  
{'?x': '?y'}
8. suburb(sk1(?x),?x) U suburb(?y,Naperville)  
{'?y': ['sk1', '?x'], '?x': 'Naperville'}
9. suburb(sk2(?x),?x) U suburb(sk3(?y),Naperville)  
None
10. suburb(sk3(?x),?x) U suburb(sk3(?y),Napervilile)  
{'?y': 'Naperville', '?x': '?y'}