

```
prepositional_logic x
C:\Users\admin\PycharmProjects\AI\venv\Scripts\python.exe C:\Users\admin\PycharmProjects\AI\prepositional_logic.py
Enter the knowledge base: (~qv~pvr)^(~q^p)^q
Enter the query: r
[True, True, True] :kb= False :q= True
[True, True, False] :kb= False :q= False
[True, False, True] :kb= False :q= True
[True, False, False] :kb= False :q= False
[False, True, True] :kb= False :q= True
[False, True, False] :kb= False :q= False
[False, False, True] :kb= False :q= True
[False, False, False] :kb= False :q= False
Entails

Process finished with exit code 0
```

```
prepositional_logic x
C:\Users\admin\PycharmProjects\AI\venv\Scripts\python.exe C:\Users\admin\Pychar
Enter the knowledge base: (pvq)^(~rvp)
Enter the query: p^r
[True, True, True] :kb= True :q= True
[True, True, False] :kb= True :q= False
doesnt entail!!!

Process finished with exit code 0
```