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18M18CS091

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Program 2

~~def main():~~

print("Enter kb: ")

kb = input()

print("Enter the query: ")

query = input()

kb = kb.split(' ')

stepn = (solve kb, query)

print('step \t / class \t / description')

print(' - 1 * 30')

i = 1

for step in stepn:

print('fib. H' + str(i) + ' step 3 *')

(stepn[3] H')

i += 1

Program-2

```
def resolve (outer, goal):
```

```
    temp = outer. copy()
```

```
    temp += [negative(goal)]
```

```
    alpha = dict()
```

```
    for goal rule in temp:
```

```
        alpha[rule] = 'win.'
```

```
    alpha[negative(goal)] = 'Negative conclusion'
```

```
    i = 0
```

```
    while i < len(temp):
```

```
        n = len(temp)
```

```
        j = (n + 1) // 2
```

```
        cloned = []
```

```
        while j != 1:
```

```
            term1 = split_term(temp[j])
```

```
            term2 = split_term(temp[j])
```

```
        for c in term1:
```

```
            if negative(c) in term2:
```

```
                t1 = [t for t in term1 if t !=
```

```
                    t1] = [t for t in term2 if t !=
```

```
                        t1 + t2]
```


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if $\text{len}(\text{gen}) == 2$:

if $\text{gen}[0] = \text{negative}(\text{gen}[1])$:

$\text{clauses} += [\text{f} \wedge \text{gen}[0] \vee \text{gen}[1]]$

if $\text{gen}[0] = \text{f}$ reached f temp[0] and

temp[1]

in index num.

elif $\text{len}(\text{gen}) == 1$:

~~if~~

$\text{clauses} += [\text{f} \wedge \text{gen}[0]]$

else:

if contradiction (goal, $\text{f} \wedge \text{temp}[0]$

$\vee \text{temp}[1]$)

for clause in clauses:

if clause not in goal and clause =

$\text{generate}(\text{clause})$ and

$\text{generate}(\text{clause})$ not
in goal .

temp.append

$j = (\text{len}(\text{temp}) - 1) \times n$

$i = 1$

return temp