

AI - lab.

"write-up"

Pseudocode.

IBM18CS077

Rahul Patil.

(2)

KB = []

def clear():

    global KB

    KB = []

def Tell(sentence):

    global KB

    if ~~see~~ is clause(sentence):

        KB.append(sentence)

    else:

        Sentence CNF = convert CNF(sentence)

        if not sentence CNF:

            Print("Illegal input")

            return

        if is and list(sentence CNF):

            for s in sentence CNF[1:]:

                KB.append(s)

    else

        KB.append(sentence CNF)

def Ask(sentence):

    global KB

```
if isclause(sentence):
```

```
neg = negation(sentence)
```

```
else:
```

```
    sentenceCNF = convertCNF(sentence)
```

```
if not sentenceCNF:
```

```
    print("Illegal input")
```

```
    return
```

```
neg = convertCNF(negation(sentenceCNF))
```

```
def convertCNF(sentence):
```

```
    while not isCNF(sentence):
```

```
        if sentence is None:
```

```
            return None
```

```
        sentence = makeCNF(sentence)
```

```
    return sentence
```

```
def makeCNF(sentence)
```

```
    if isliteral(sentence):
```

```
        return sentence
```

```
    if isnotaliteral(sentence):
```

```
        return sentence
```

```
        if isliteral(sentence[1]):
```

```
            return sentence
```