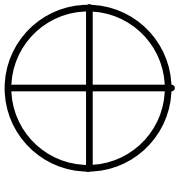
https://AllenCompSci.GitHub.io

Symbol for XOR 

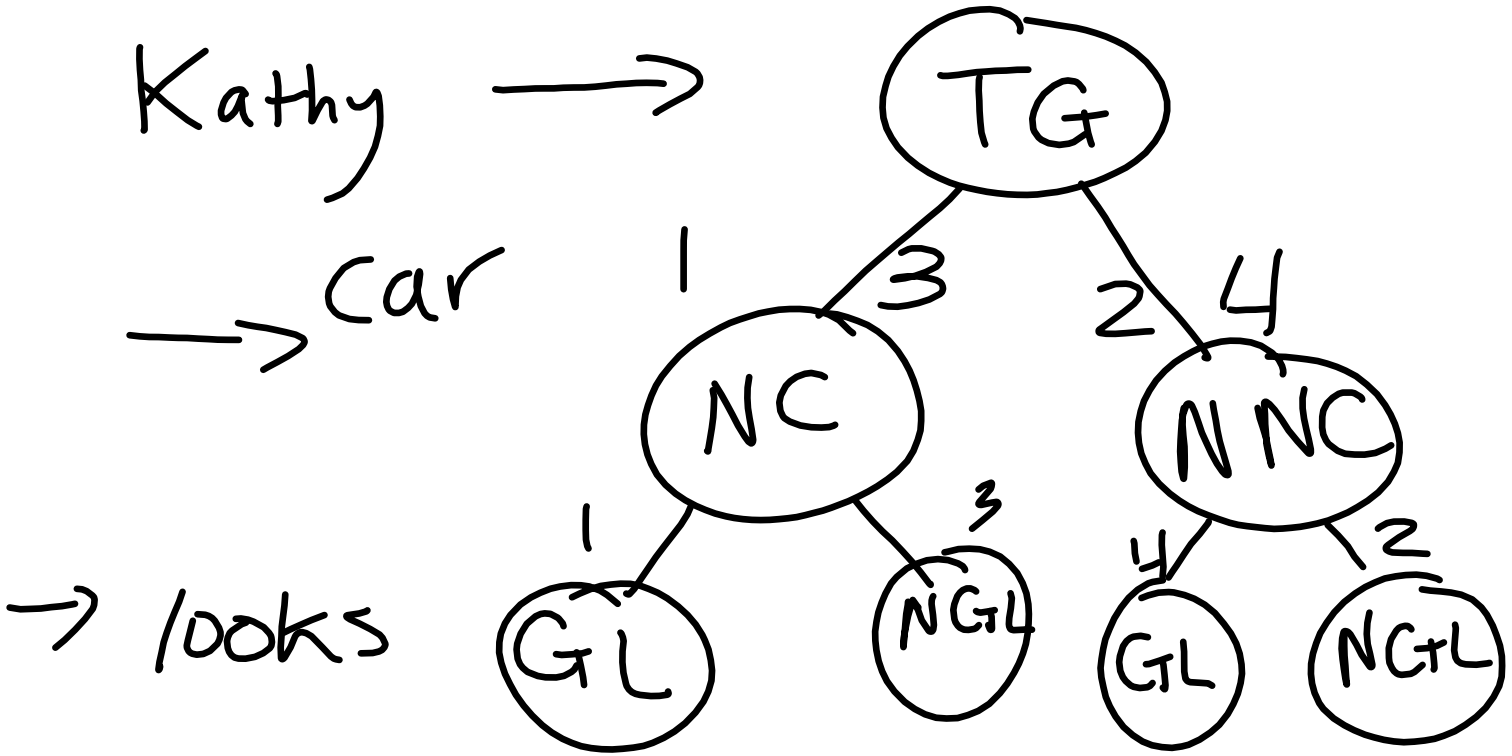
Symbols for AND * &&

Symbols for OR + ||

Shift + \

NOT ! ~ ¬

A && B

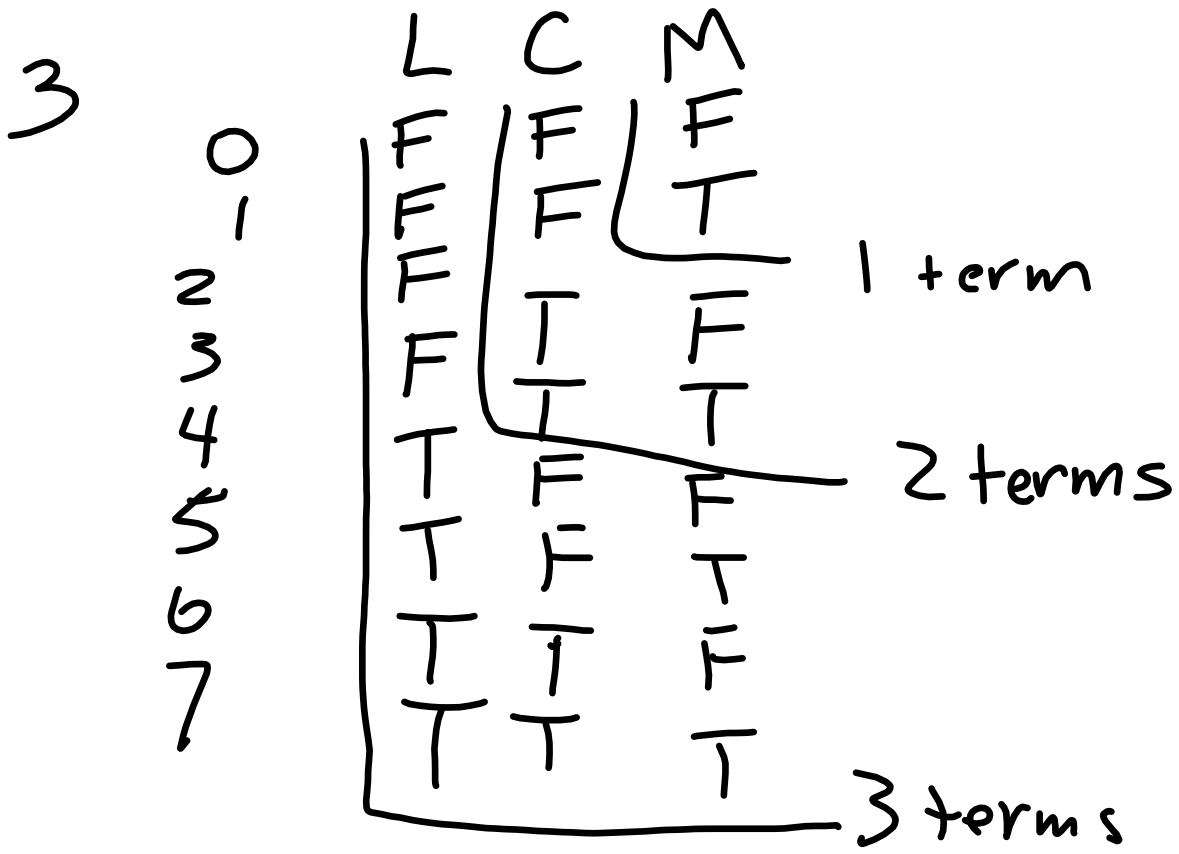

Kathy
car
looks
TG
NC
NNC
GL
NGL
GL
NGL
1
3
2
4
1
3
4
2

4 qualities

1 -> 2
2 -> 4
3 -> 8
4 -> 16
5 -> 32

2^n

n - num variables or characteristi


3
L C M
0 F F F
1 F F T
2 F T F
3 F T T
4 T F F
5 T F T
6 T T F
7 T T T
1 term
2 terms
3 terms

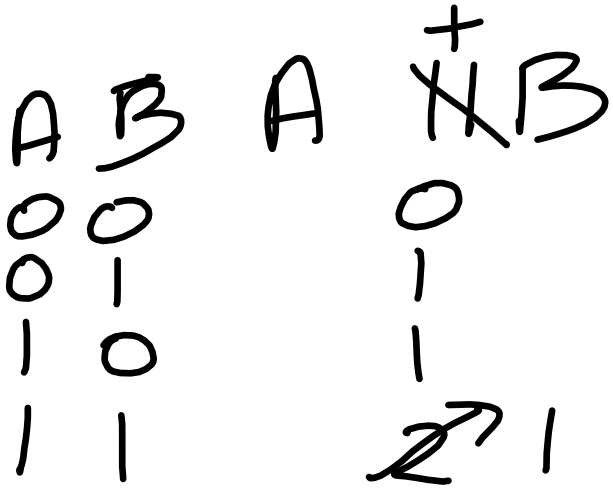
A B
Chili's Xor Panda

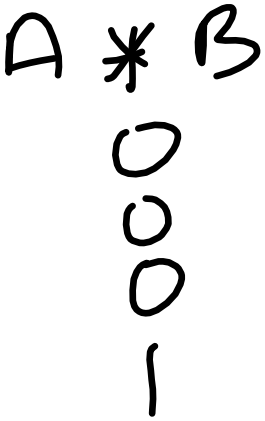
- && link || ! Chili's Panda

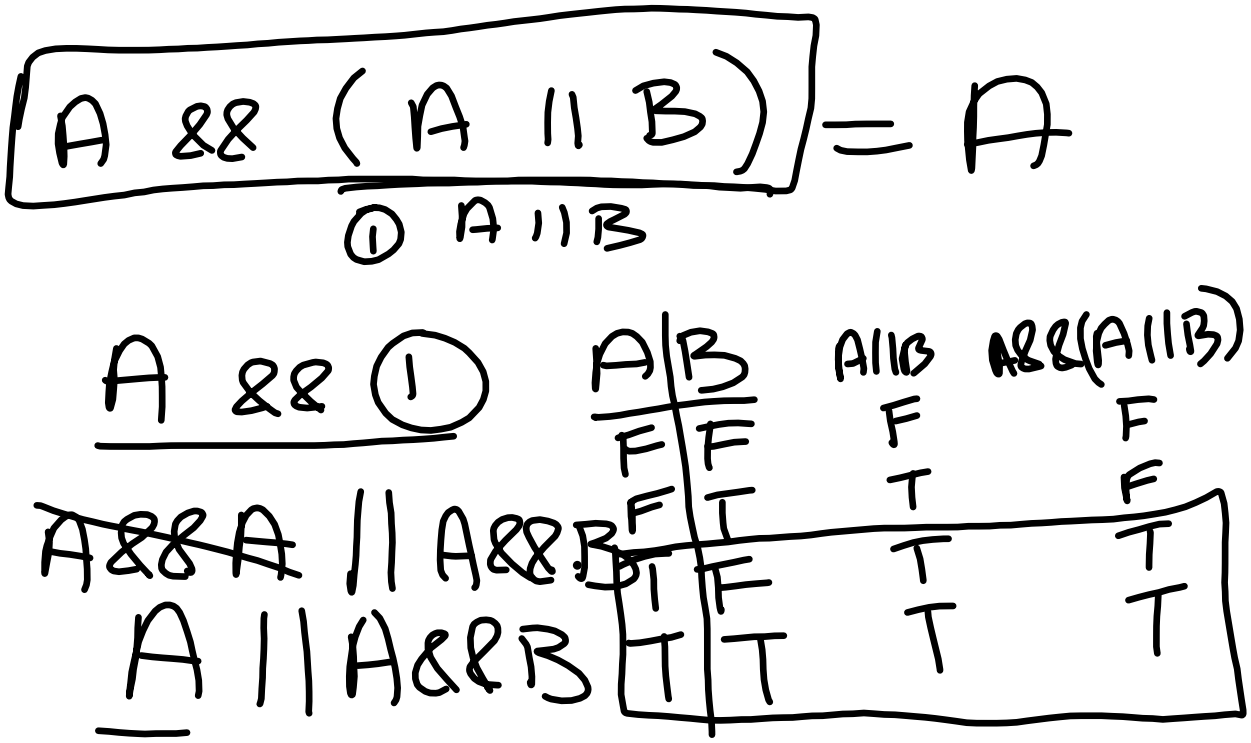
Chili's or Panda ! Chili's and Panda

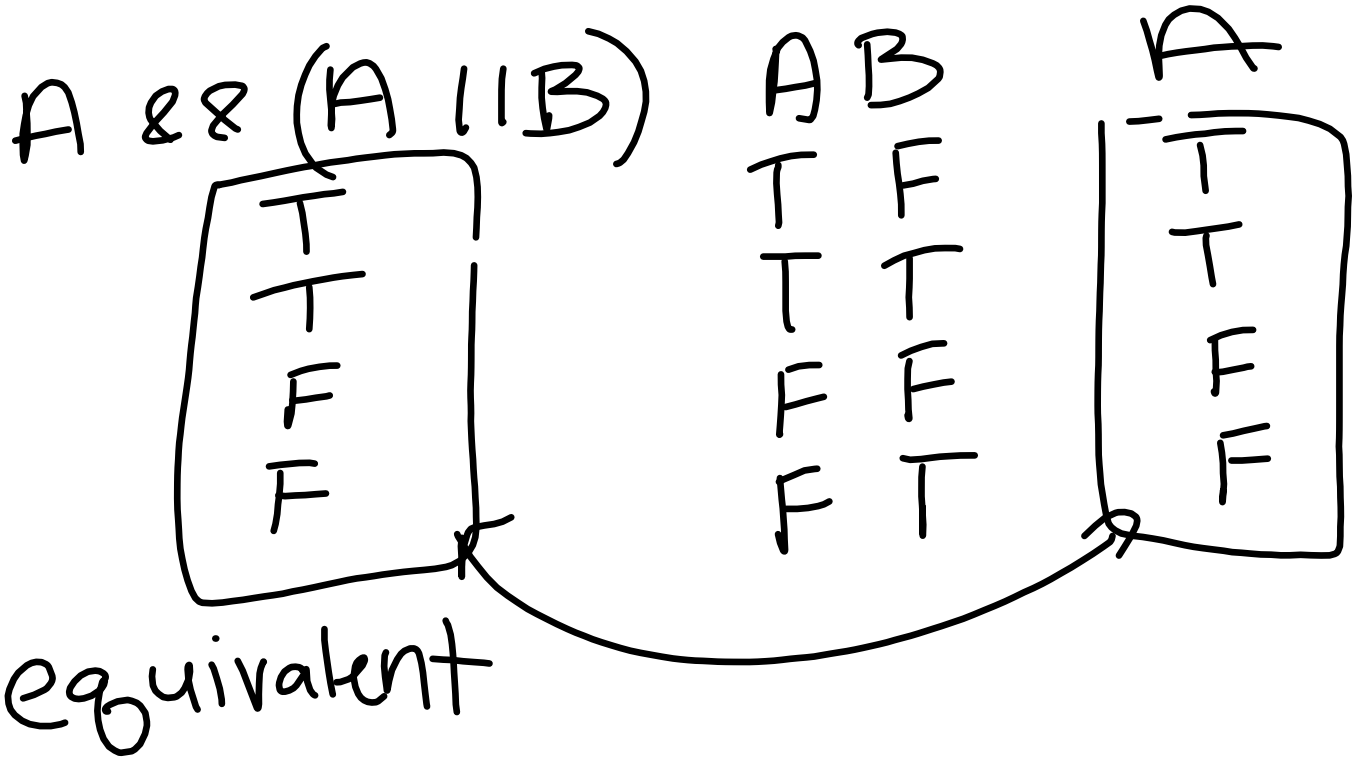
AxorB = (A||B)&&!(A&&B)

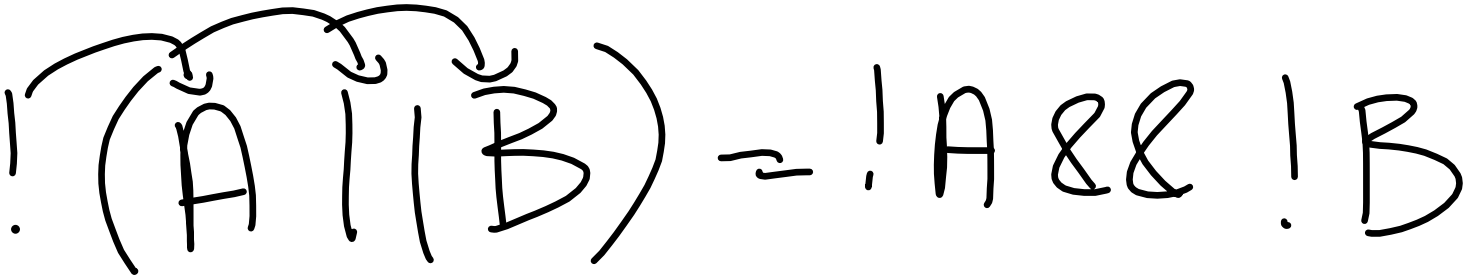
A	B	AxorB
0	0	0
0	1	1
1	0	1
1	1	0

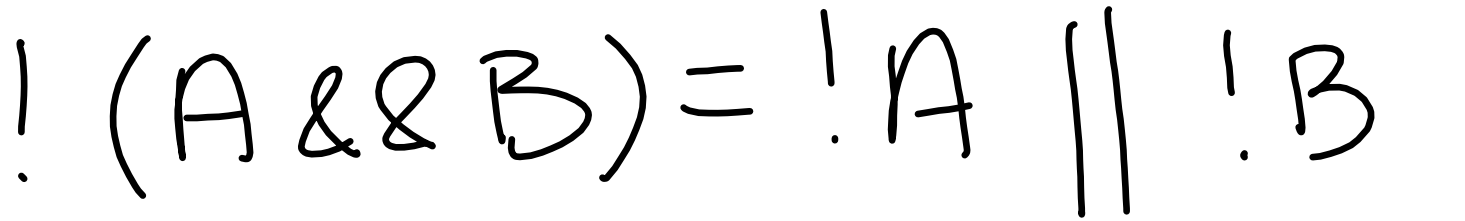

A B
0 0
0 1
1 0
1 1
A + B
0
1
1
2 1


A * B
0
0
0
1


A && (A || B) = A
① A || B
A && ①
A && A || A && B
A || A && B
A B A||B A&&(A||B)
F F F F
F T T F
T F T T
T T T T
Order
1. ( )
2. !
3. &&
4. ||


A && (A || B)
T
T
F
F
A B
T F
T T
F F
F T
A
T
T
F
F
equivalent





De Morgan's Law