Linear Temporal Logic
Time is a line (linear-time)

Today Tomorrow
Or time takes branches
Tomorrow A
Today Tomorrow B => infinite paths
Today Tomorrow C
TOWNER FOR THE STATE OF THE STA
Operators
O Next - "the next tomorrow"
1 Always - All tomorrows
Eventually - some tomorrow, or tomorrow of tomorrow and so on.
Example
Oblue > [blue Vareen]
Starta VAccepts
Start 2) VACCEPTS (Start isn't olve,
So the Conditional
is true.) □Oblue "for all items, there is eventually a blue after it."
·
Starta VAccepts
B
infinite # of blues eventually is 100% blue
DO olve ADOred
Start 2 > VAccepts

infinite # of blues and reds
MAINTE IT OF BIOS OCING TEXT
Problem Example
Given a graph 6 where each node has a color;
those is a placing to 1 Start and la 1 and a 1 TT
there is a designated Start node to, and a LTT
Formula over the colors, (eg. 10 love).
Question. Is there a W-Walk From Vo in G that
Satisfies the formula?
Design with graph coke
The Coke Machine
Sleep - Sell Cocaine Sleep - Sell
01 30
> Mary Flaws and \$0.25 to \$0.75
missing features \$0.75
Design with LTL
Coke Coke Coke
· 4 quarters or \$1
V