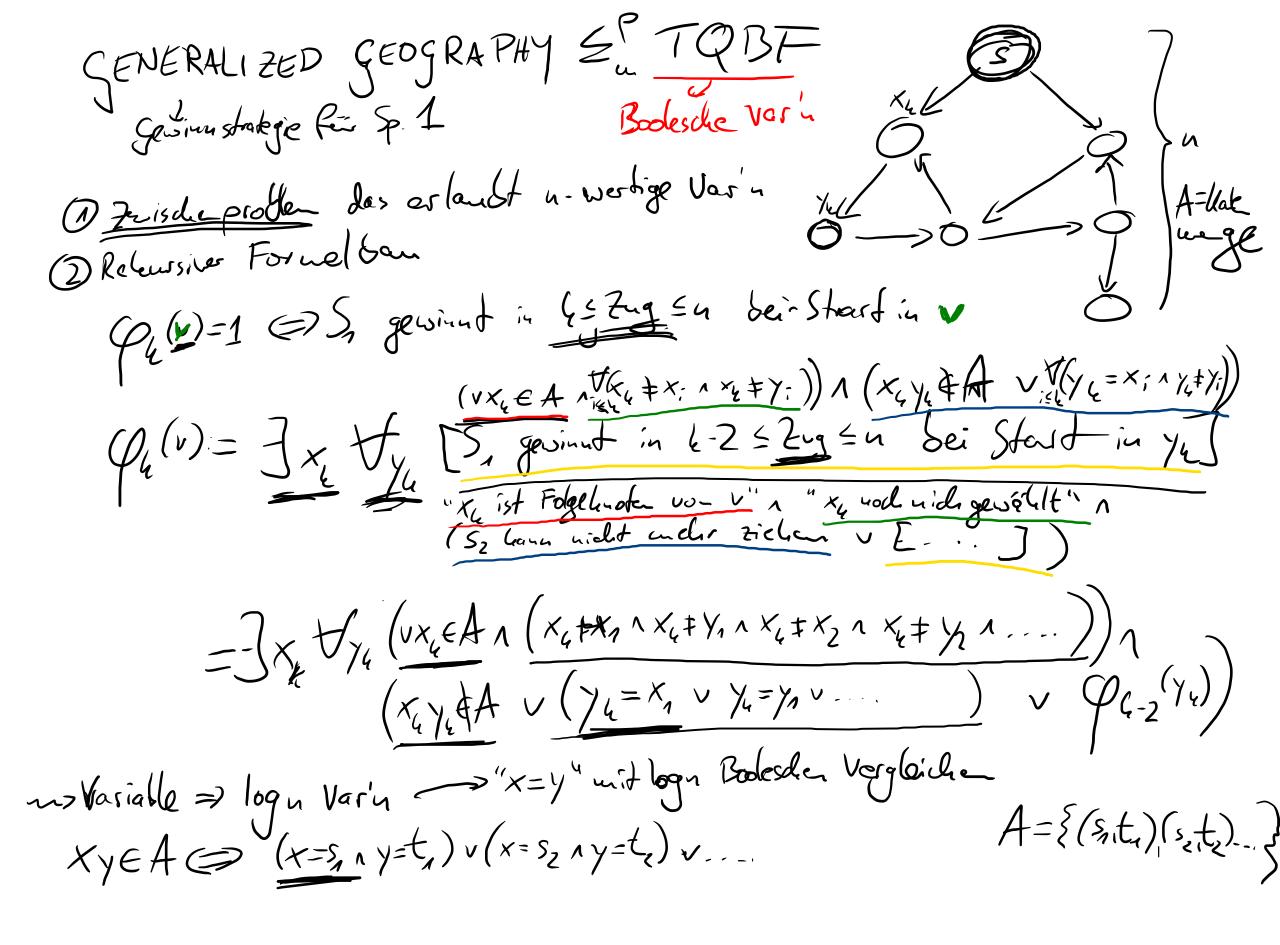
2.2.23 Sello Hodulhorferenz (2) P + NP 5 (2) NP + CONP 5 TABF (x, Qx, - p(x, ...)) = 1? ≥° trivia ATQBF* 3x, 4x23x3.... P(5, 5,...) = 1? $\exists_{x} \forall_{x} \forall_{x_{2}} \dots \qquad \varphi(x_{1}x_{2}\dots) \wedge x_{0}x_{0} = 1 \iff \forall_{x_{1}} \forall_{x_{2}} \dots \varphi(x_{1}x_{2}\dots)$ $\forall_{x_0} \exists x_1 \exists x_2 \dots \varphi(x_n, x_{2n-2}) \vee x_0$

FACTOR ISIERUMG wisglidoweise in Psebbyt wenn PANF



CONFSPACE = PSPACE = NPSPACE

LENPSPACE = PSPACE = NPSPACE (p(n)) => LEPSPACE (p(n)) >> L Satz von Squitch NSPACE(f(u)) = DSPACE(f(u)2) 25-t-Pfad in Configurations Jarophen von MA FUT P(4)-Plate Sesch. NTM P(4)2-Plate Ses Por DIM l'aine aleteptiere de Konfig t Start boufiguration n=|X|Bess: NTH M dic for-Plataleser. mair: rate videte Kochiguration (14) 10/11/0/110/ Band dever: rate mittleren Knoten auf alz. Pfod 1 rate glippiere de Endhouft die von M(X) erreilt wird Start and Lönge skann H von s mod t REACH (5, t, le): libergele in the solvithen if s=t then 1 if h=0 Her 0 if s=t ∈ Sre then 1 *Fir alle Konfiguration v. d. Laige S(IXI): return KEACH(S, V, 1/2)) 1 REACH(U, E, 1/2) 2. Desective REACH(s, E, 24m) -> Relinisionstrefe \(\left(\lambda \)

Pro Reliniefe \(\log(\pm \) \)

Bits = \(\lambda \)