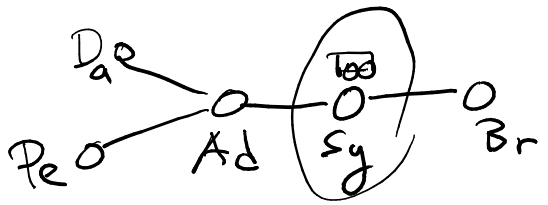


TSP

at(Sy), at(Ad), ...

vis(Sy), vis(Ad), ...

→ $I = \{at(Sy), vis(Sy)\}$

drive(Sy, Br)+

→ $s = \{at(Sy), vis(Sy), at(Br), vis(Br)\}$

drive(Sy, Ad)

[drive(Sy, Br)
drive(Br, Sy)]

$s' = s \cup \{at(Ad), vis(Ad)\}$

→ drive(Ad, Da)

$s'' = s' \cup \{at(Da), vis(Da)\}$

→ $pre(a^+) = pre(a)$

$add(a^+) = add(a)$

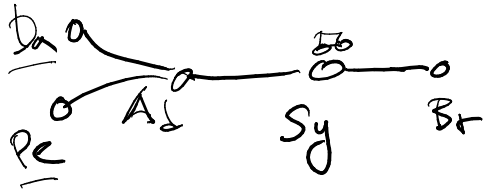
$del(a^+) = \emptyset$

drive(Ad, Pe)

$s''' = P$

Relaxed Plan:
drive(Sy, Br)
drive(Sy, Ad)
drive(Ad, Da)
drive(Ad, Pe)

TSP

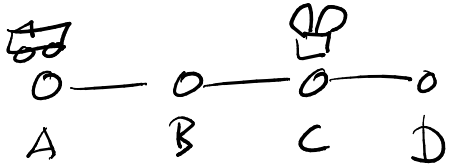


$F_0 = \{ at(Sy), vis(Sy) \}$ $\quad G = \{ vis(Sy), \ldots, vis(Pe) \}$

$F' = F \cup \bigcup_{a \in A : pre_a \subseteq F} add_a$

$F_1 = F_0 \cup \{ at(Br), vis(Br), at(Ad), vis(Ad) \}$

$F_2 = F_1 \cup \{ at(Da), vis(Da), at(Pe), vis(Pe) \}$



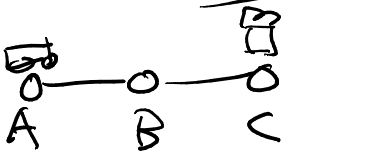
Logistics Slide 28

$F_0 = \{truck(A), pack(C)\}$ $\quad G = \{truck(A), pack(D)\}$

- $F_1 = F_0 \cup \{truck(B)\}$
- $F_2 = F_1 \cup \{truck(C)\}$

$F_3 = F_2 \cup \{truck(D), pack(T)\}$ ←

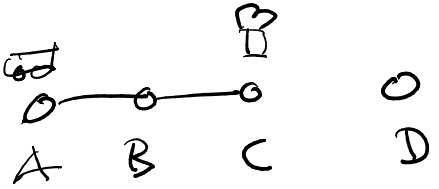
$F_4 = F_3 \cup \{pack(D), pack(A), \dots\}$



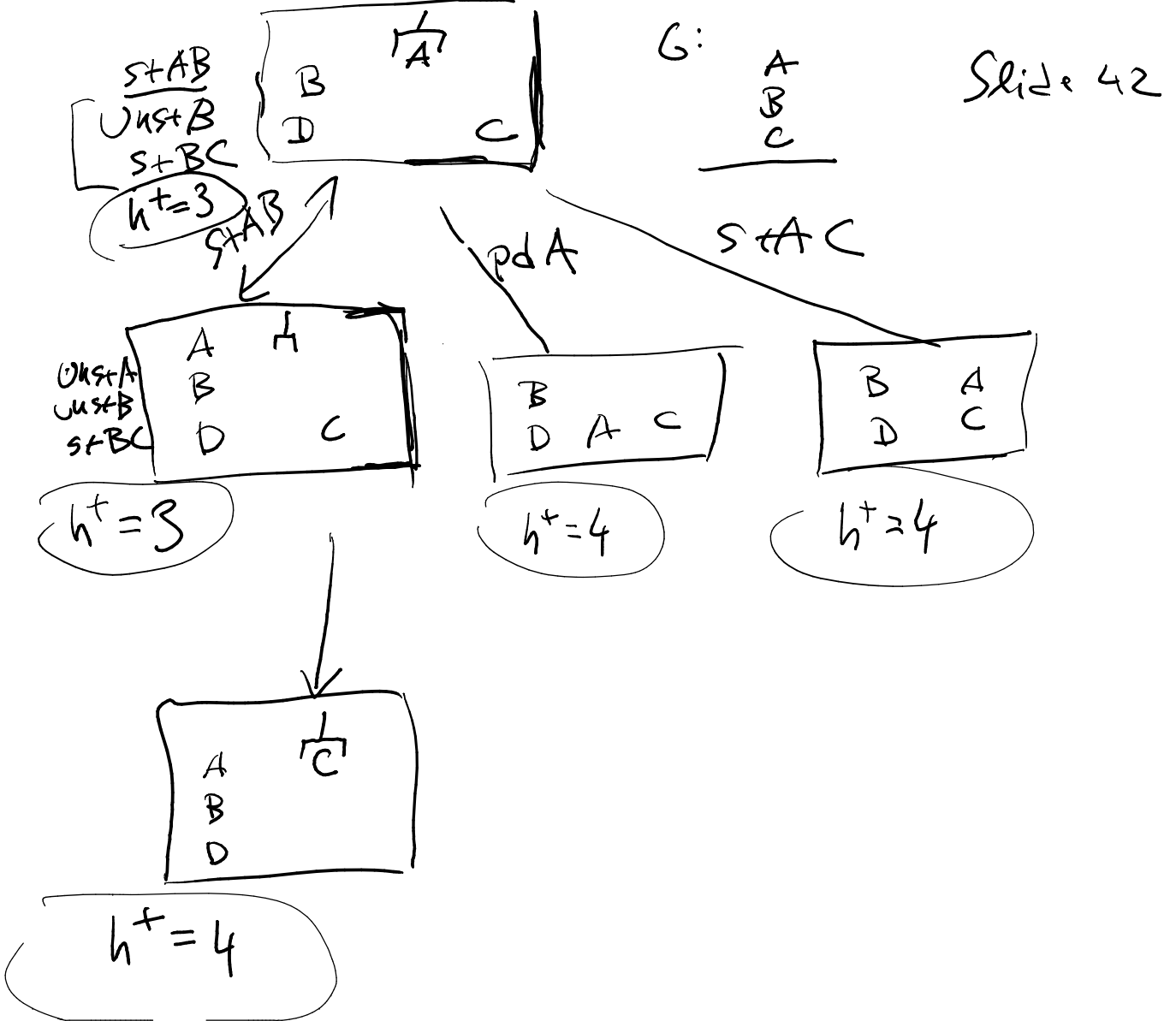
Slide 29

$F_0' = F_0$, $F_1' = F_1$, $F_2' = F_2 = \{t(A), t(B), t(C), pack(C)\}$

$F_3' = F_2' \cup \{pack(T)\}$, $F_4' = \{pack(A), pack(B)$



Slide 29


S+AB
∪s+B
S+BC
h+=3
A
B
D
C
G:
A
B
C
Slide 42
S+AB
pdA
S+AC
∪s+A
∪s+B
S+BC
A
B
D
C
h+=3
B
D
A
C
h+=4
B
A
D
C
h+=4
A
B
D
C
h+=4