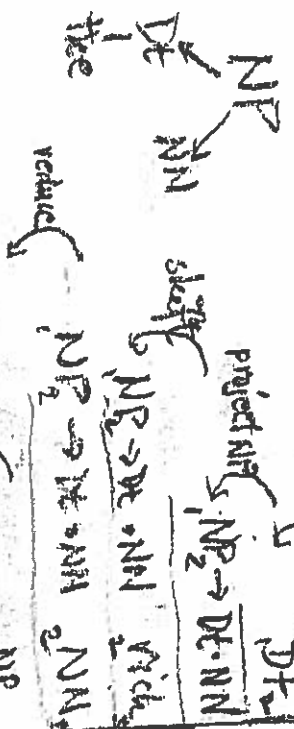


left-corner  
chart parse  
(writing "faulty"  
alternatives)

The rich benefit the most  
NP N VP ADVL

Stack  
Buffer

∅ The<sub>1</sub> rich<sub>2</sub> benefit<sub>3</sub> the<sub>4</sub> most<sub>5</sub>  
The<sub>1</sub> rich benefit the most



project S  
S<sub>1</sub> → NP · VP  
NP<sub>2</sub> → DT · NN  
NP<sub>3</sub> → DT · NN  
NP<sub>4</sub> → V · ADVL  
NP<sub>5</sub> → V · ADVL

reduce  
S<sub>2</sub> → NP · VP benefit

project NP  
S<sub>3</sub> → NP · VP V  
S<sub>3</sub> → NP · VP NP<sub>4</sub> → V · ADVL

shift  
S<sub>3</sub> → NP · VP NP<sub>4</sub> → V · ADVL the

reduce  
S<sub>3</sub> → NP · VP NP<sub>4</sub> → V · ADVL DT

to the left  
ADVL  
S<sub>3</sub> → NP · VP NP<sub>4</sub> → V · ADVL<sub>5</sub> → DT · JJ  
most

shift  
S<sub>3</sub> → NP · VP NP<sub>4</sub> → V · ADVL<sub>5</sub> → DT · JJ  
most

reduce  
S<sub>3</sub> → NP · VP NP<sub>4</sub> → V · ADVL<sub>5</sub> → DT · JJ  
most

reduce  
S<sub>3</sub> → NP · VP NP<sub>4</sub> → V · ADVL<sub>5</sub> → DT · JJ  
most

the most

the most

the most

the most

the most

the most

the most

the most

VP → V · ADVL  
ADVL → DT · JJ

In-order NN parse

Place proj. out. right of on left corner

in-order stack  
the

DT<sub>1</sub>

DT<sub>2</sub> | NP

DT<sub>3</sub> | NP | rich

DT<sub>4</sub> the | NP | NN

NP<sub>2</sub> DT, NN

NP<sub>3</sub> DT, NN | S

NP<sub>4</sub> DT, NN | S | benefit

Note: Project-X

allows for various X  
(whichever ones can  
be initiated by the  
rightmost (topmost)  
stack element that has  
just been pushed on  
the stack)