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DTU/2 K16/MC/13

NLP Assignment - 2 (Class)

Stack	INPUT	Action
\$	i want to read a book \$	shift
\$i	I want to read a book \$	reduce pronoun
\$		NP → P + pronoun
\$P pronoun	Want to read a book \$	reduce
\$NP	want to read a book \$	shift
\$NP want	to read a book \$	reduce verb → want
\$NP verb	to read a book \$	shift
\$NP verb to	read a book \$	reduce preposition → to
\$NP verb preposition	read a book \$	shift
\$NP verb preposition read	a book \$	reduce verb → read
\$NP verb preposition verb	a book \$	shift
\$NP verb preposition verb a	book \$	reduce NP → a book
i " " " Det	book \$	shift
\$NP verb preposition verb a book	\$	reduce noun → book
" " " verb NP	\$	reduce NP → det Noun
\$NP verb preposition VP	\$	reduce PP → preposition
\$NP verb PP	\$	reduce VP → verb NP
\$NP VP	\$	reduce S → NP VP
\$ S	\$	Matched, hence accepted

