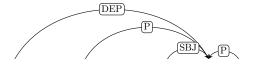
Dependency Tree Comparison

February 11, 2022

Memory Baseline (dlg, wtembdep, ldep) + spearman allwords

 $wsj_0003.12.0$

Reference Sentence spearman allwords = 0.0



From 1953 to 1955 9.8 billion Kent cigarettes with the filters were sold the company said NUM PART NUM Х NUM NUM PROPN NOUN ADP DET NOUN VERB VERB DET NOUN **VERB** Х -2.88 -2.10.9-2.1 -0.65 -2.1-2.1-0.410.3-2.88 - 4.970.3 $0.51 \ 0.51 \ -0.65 \ -4.97$ 0.3 0.51 - 0.65



 $wsj_0003.12.1$

Variant Sentence spearman allwords = -1.0



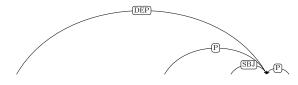
From 1953 to 9.8 billion Kent cigarettes with the filters were sold 1955 saidthecompanyNUM PART NUM NOUN ADP DET NOUN VERB VERB Х NUM NUM PROPN Х VERB DET NOUN Х -2.1 -0.65 -2.1-2.1-2.88 - 4.970.30.51 0.51 -0.65 0.51 -4.97 -2.88 -2.10.9-0.410.30.3 -0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 51.95 ldep = -3.0

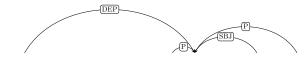
 $wsj_0003.15.0$

Reference Sentence spearman allwords = 0.0



 $The \ total \ of \ 18 \ deaths \ from \ malignant \ mesothelioma$ lung cancer and asbestosis was far higher than expected the researchers said NOUN NOUN NOUN VERB X DET NOUN ADP NUM NOUN ADP \mathtt{ADJ} X NOUN NOUN CCONJ VERB ADV ADJ ADP VERB DET Х -4.97 0.3 -2.88 -2.1 0.3 -2.88 -1.50.3 $-0.65 \quad 0.3$ 0.30.07 0.3 $0.51 \ 0.51 \ -1.5$ -2.88 0.51 -0.65 -4.97 0.51 - 0.65

Variant Sentence spearman allwords = -1.0



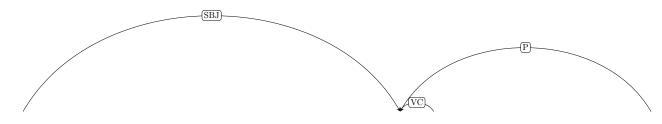
 $The \ total \ of \ 18 \ deaths \ from \ malignant \ mesothelioma$ lung cancer and asbestosis was far higher than expected said the researchers DET NOUN ADP NUM NOUN ADP NOUN NOUN NOUN CCONJ NOUN VERB ADV ADJ ADP VERB VERB DET ADJ X NOUN Х -0.65 0.51 -4.97 -4.97 0.3 -2.88 -2.1 0.3 -2.88 -1.50.3 $-0.65 \quad 0.3$ 0.30.070.3 $0.51 \ 0.51 \ -1.5 \ -2.88$ 0.510.3-0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 108.26 ldep = 2.0

 $wsj_0003.24.0$

Reference Sentence spearman allwords = 0.77

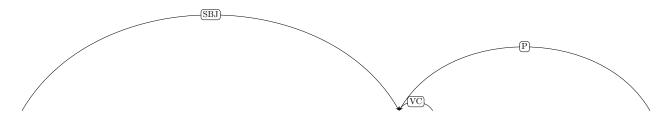


the Kent filters were exposed to About 160 workers factory that made paper for ataasbestosinthe 1950sNOUN DET VERB NOUN ADP DET PROPN NOUN VERB VERB PART ADP NUM NOUN NOUN DET NUM X ADP DET ADP -2.88 - 2.1-2.88 - 4.970.3 $-4.97 \ 0.51 \ 0.3 \ -2.88 \ -4.97 \ -0.41$ $0.3 \quad 0.51$ 0.510.3 -2.88 -4.97 -2.1-0.65



 $wsj_0003.24.1$

Variant Sentence spearman allwords = -0.26

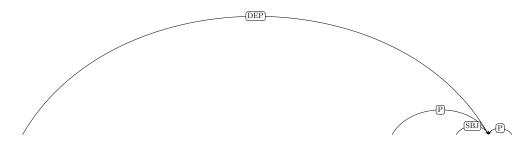


factory that made paper for the Kent filters were exposed in About 160 workers the 1950sas best osataADP NUM NOUN DET VERB NOUN ADP DET PROPN NOUN VERB VERB ADP X NOUN ADP DET DET NUM PART NOUN -4.97 0.51 0.3 -2.88 -4.97 -0.41 -2.88 - 2.10.3-2.88 - 4.970.3 $0.3 \quad 0.51$ 0.51 -2.88 -4.97-2.10.3 -0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 47.94 ldep = -0.0

 $wsj_0008.2.0$

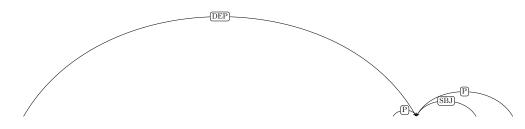


Until Congress acts the government has n't any authority to issue new debt obligations of any kind the Treasury said PROPN VERB X DET NOUN VERB ADV DET NOUN PART VERB ADJ NOUN NOUN ADP DET NOUN X PROPN VERB X -0.41 0.51 -0.65 -4.97 -2.880.3 $0.51\ 0.51\ -4.97$ 0.3 $0.9 \quad 0.51 \ \text{--}1.5 \quad 0.3$ 0.3 $-2.88 - 4.97 \quad 0.3 \quad -0.65 \quad -4.97$ -0.410.51 - 0.65

ROOT

 $wsj_0008.2.1$

Variant Sentence spearman allwords = -1.0



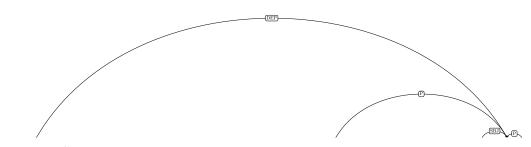
Until Congress acts the government has n't any authority to issue new debt obligations of any kind said the Treasury PROPN VERB X DET NOUN VERB ADV DET NOUN PART VERB ADJ NOUN NOUN ADP DET NOUN X VERB DET 0.3 -2.88-0.410.51 -0.65 -4.97 0.3 $0.51 \ 0.51 \ -4.97$ 0.3 $0.9 \quad 0.51 \quad -1.5 \quad 0.3$ $-2.88 - 4.97 \quad 0.3 \quad -0.65 \quad 0.51 \quad -4.97$ -0.41



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 27.73 ldep = 3.0

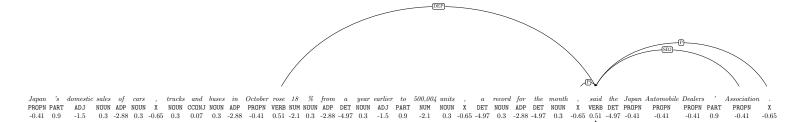
 $wsj_0016.1.0$

Reference Sentence spearman allwords = 0.0



Japan is light for ligh

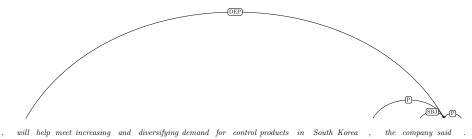
ROOT



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 350.88 ldep = -4.0

wsj_0017.2.0

Reference Sentence spearman allwords = 0.0



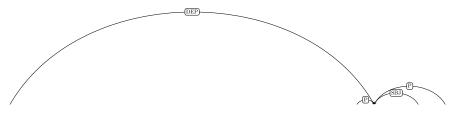
ROOT

ROOT

ROOT

 $wsj_0017.2.1$

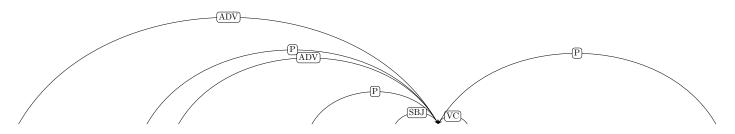
Variant Sentence spearman allwords = -1.0



located in Chinchon about 60 miles from Seoul will help meet increasing and diversifying demand for control products in NOUN ADP NOUN DET ADJ NOUN X VERB ADP NOUN ADP PROPN PROPN X VERB DET VERR CCONI VERB -2.88 -0.41 -0.41 -0.65 0.51 -4.97 -4.97 -1.5 0.3 -0.65 0.51 -2.88 0.51 0.51 0.3 - 2.880.3 0.07 0.3 0.3 -0.65

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 174.67 ldep = 1.0

 $wsj_0018.31.0$

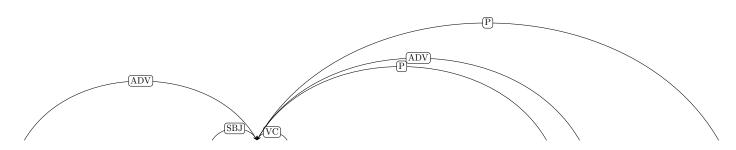


 $the \ other \ hand$ hadit $existed \ then$ Cray Computer would have incurred a \$ 20.5 million loss ADJ NOUN X VERB PRON VERB ADV X PROPN PROPN VERB VERB VERB DET SYM NUM NUM NOUN X -2.88 - 4.97 - 1.5 0.3 - 0.65 0.51 0.70.51 0.51 -0.65 -0.41-0.41 $0.51 \quad 0.51$ 0.51-4.97 -0.41 -2.1-2.10.3 - 0.65

ROOT

 $wsj_0018.31.1$

Variant Sentence spearman allwords = -0.51

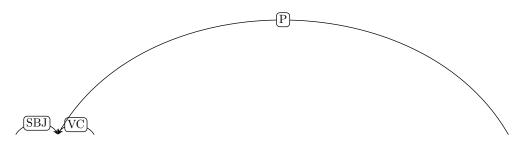


the other hand Cray Computer would have incurred a \$ 20.5 million loss haditexisted thenADJ NOUN PROPN PROPN VERB VERB VERB NUM NOUN VERB PRON VERB ADV DET DET SYM NUM Х Х $0.51 \quad 0.51$ -2.88 - 4.97 - 1.5 0.3 - 0.41-0.410.51-4.97 -0.41 -2.1-2.1 $0.3 - 0.65 \ 0.51$ 0.7 $0.51 \quad 0.51 \ -0.65$



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 3.0 wtembdep = -324.08 ldep = -5.0

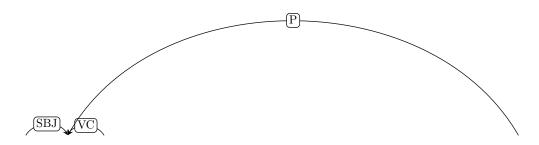
 $wsj_0021.3.0$





wsj_0021.3.1

Variant Sentence spearman allwords = 0.16

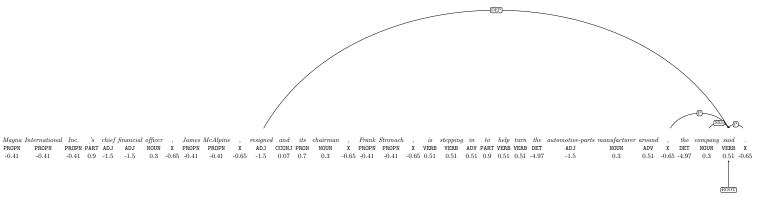


The Latin American nation has paid very little since early last year on its debt . Det propn propn noun verb verb adv adv adv add add add noun add pron noun x $-4.97\,$ -0.41 $\,$ -0.41 $\,$ 0.3 $\,$ 0.51 $\,$ 0.51 $\,$ 0.51 $\,$ -2.88 $\,$ -1.5 $\,$ -1.5 $\,$ 0.3 $\,$ -2.88 $\,$ 0.7 $\,$ 0.3 $\,$ -0.65



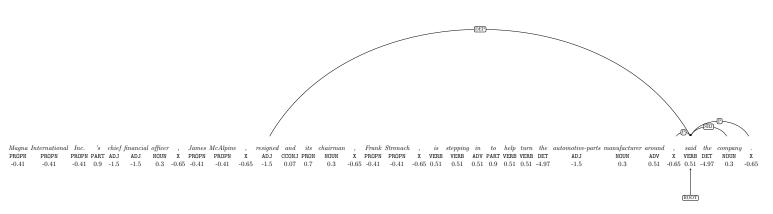
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = -0.0 wtembdep = 65.87 ldep = 19.0

 $wsj_0027.1.0$



 $wsj_0027.1.1$

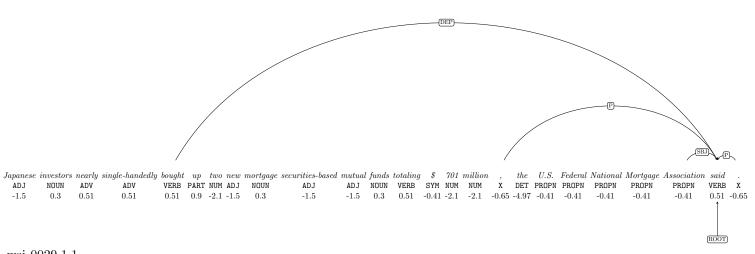
Variant Sentence spearman allwords = -1.0



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 195.84 ldep = -0.0

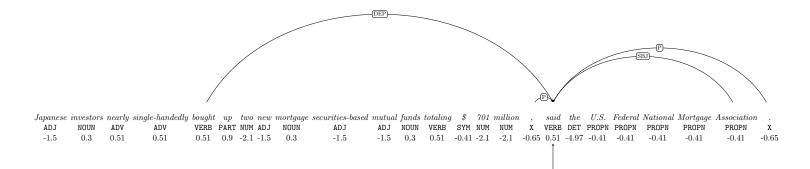
wsj_0029.1.0

Reference Sentence spearman allwords = 0.0



 $wsj_0029.1.1$

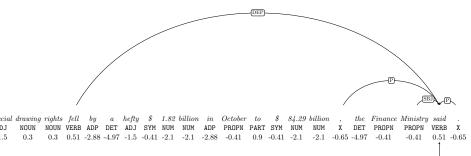
Variant Sentence spearman allwords = -0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = -403.66 ldep = -4.0

 $wsj_0033.1.0$

Reference Sentence spearman allwords = 0.0



ROOT

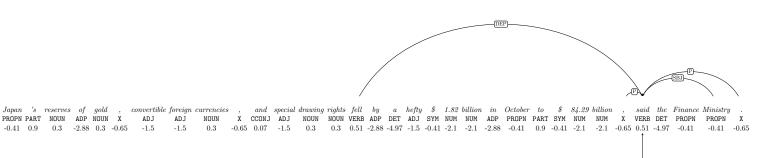
(ROOT)

ROOT

s , and special drawing rights fell by a hefty \$ 1.82 billion in October to \$ 84.29 billion , the Finance X CCONJ ADJ NOUN NOUN VERB ADP DET ADJ SYM NUM NUM ADP PROPN PART SYM NUM NUM X DET PROPN -0.65 0.07 -1.5 0.3 0.3 0.51 -2.88 -4.97 -1.5 -0.41 -2.1 -2.1 -2.88 -0.41 0.9 -0.41 -2.1 -2.1 -2.1 -0.65 -4.97 -0.41 PROPN PART NOUN ADP NOUN X ADJ NOUN -1.5 0.3 -2.88 0.3 -0.65 -1.5 -0.41 0.9 0.3

 $wsj_0033.1.1$

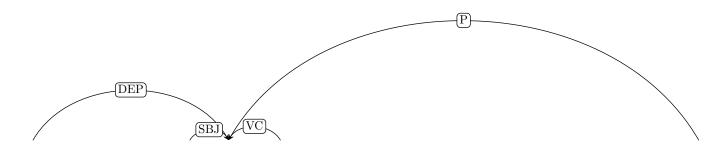
Variant Sentence spearman allwords = -0.87



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 116.7 ldep = -8.0

 $wsj_0034.24.0$

-0.41 0.9

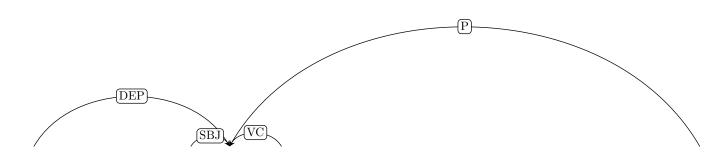


And most country funds were clobbered more than most stocks after the 1987 crash CCONJ ADJ NOUN NOUN VERB **VERB** ADV ADP ADJ NOUN ADP DET NUM NOUN X 0.07-1.50.30.30.510.510.51 - 2.88 - 1.50.3-2.88 - 4.97 - 2.10.3 - 0.65



wsj_0034.24.1

Variant Sentence spearman allwords = -0.05

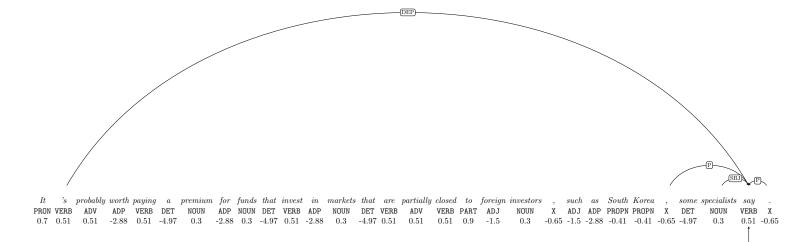


And most country funds were clobbered after the 1987 crash more than most stocks NOUN VERB ADP DET NUM NOUN ADV ADP CCONJ ADJ NOUN **VERB** ADJ NOUN X 0.51 - 2.88 - 1.50.07 - 1.50.30.30.510.51-2.88 - 4.97 - 2.10.30.3-0.65



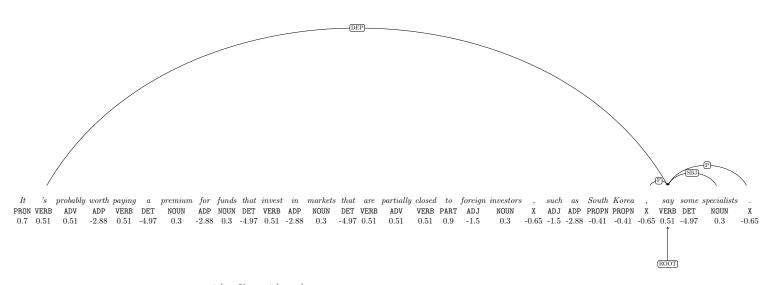
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 134.89 ldep = 0.0

 $wsj_0034.28.0$



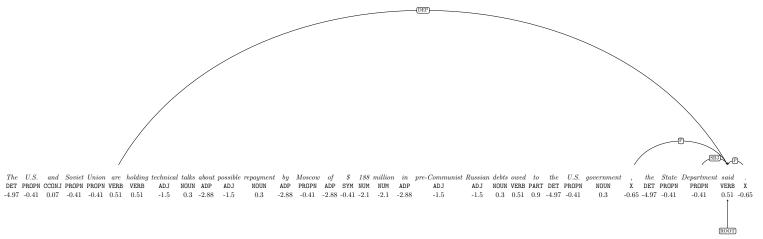
 $wsj_0034.28.1$

ROOT



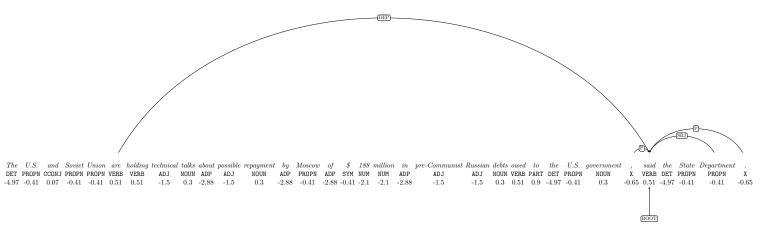
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -57.47 ldep = -2.0

 $wsj_0035.1.0$



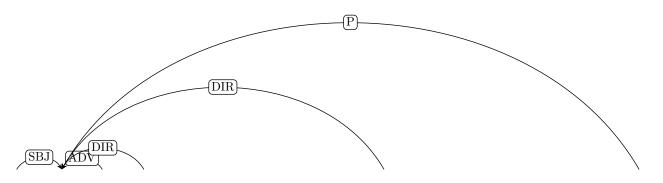
 $wsj_0035.1.1$

Variant Sentence spearman allwords = -0.87



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 197.48 ldep = 0.0

 $wsj_0036.3.0$

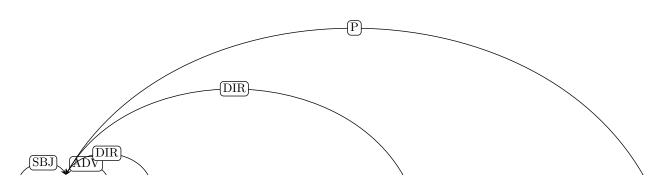


index inched up October from 46 Septemberto47.6 %in%inVERB ADV PART NUM NOUN ADP PRON NOUN PROPN ADP NUM NOUN ADP **PROPN** X 0.7 0.3 $0.51 \quad 0.51 \quad 0.9$ $-2.1 \quad 0.3 \quad -2.88$ -0.41 $-2.88 - 2.1 \quad 0.3 \quad -2.88$ -0.41-0.65



wsj_0036.3.3

Variant Sentence spearman allwords = -0.02

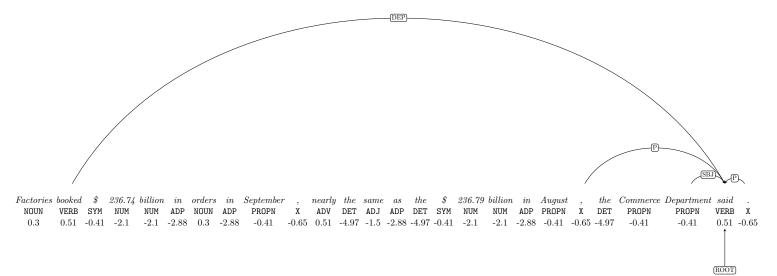


index inched up from 46 September47.6 toOctober%ininPRON NOUN VERB ADV ADP NUM NOUN ADP PART NUM NOUN ADP **PROPN PROPN** X 0.7 0.3 0.51 0.51 -2.88 -2.1 0.3 -2.88-0.410.9-2.1 0.3 - 2.88-0.41-0.65



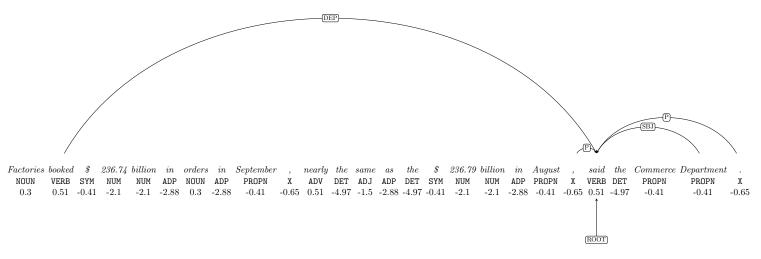
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 346.87 ldep = 32.0

 $wsj_0036.6.0$



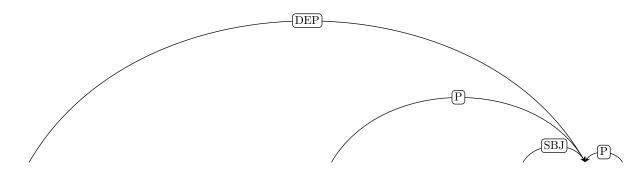
 $wsj_0036.6.1$

Variant Sentence spearman allwords = -0.87



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = -8.74 ldep = 4.0

 $wsj_0036.30.0$

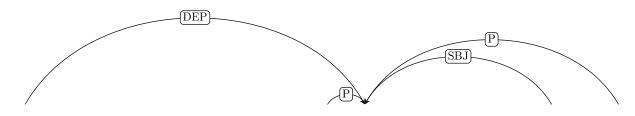


Shipments have been relatively level since January the Commerce Department noted ADJ ADP NOUN VERB VERB ADV PROPN X DET PROPN PROPN **VERB** X 0.3 0.51 -1.5 - 2.88-0.41 -0.65 -4.97 0.51 - 0.65 $0.51 \quad 0.51$ -0.41-0.41

(ROOT)

 $wsj_0036.30.1$

Variant Sentence spearman allwords = -0.87

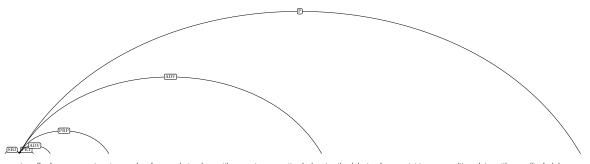


Shipments have been relatively level since January noted the Commerce Department NOUN VERB VERB ADV ADJ ADP PROPN X VERB DET PROPN PROPN X 0.3 $0.51 \quad 0.51$ 0.51 -1.5 - 2.88-0.41 $-0.65 \ 0.51 \ -4.97$ -0.41-0.41-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 38.51 ldep = -3.0

 $wsj_0037.12.0$



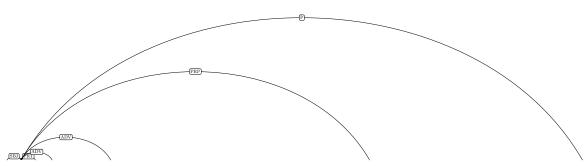
A disaffected , hard-drinking , nearly-30 hero sets off for snow country in search of an elusive sheep with a star on its back at the behest of a sinister , erudite mobster with a Stanford degree .

DET ADJ X ADJ X ADJ NOUN VERB PART ADP NOUN NOUN ADP DET ADJ NOUN ADP DET NOUN ADP PRON NOUN ADP DET NOUN ADP DET NOUN ADP DET ADJ X ADJ NOUN ADP DET PROPN NOUN X

4.97 -1.5 -0.65 -1.5 -0.65 -1.5 -0.65 -1.5 0.3 0.51 0.9 -2.88 0.3 0.3 -2.88 -4.97 -1.5 0.3 -2.88 -4.97 0.3 -2.88 -4.97 0.3 -2.88 -4.97 0.3 -2.88 -4.97 0.3 -2.88 -4.97 -1.5 -0.65 -1.5 0.3 -2.88 -4.97 -0.41 0.3 -0.65

 $wsj_0037.12.1$

Variant Sentence spearman allwords = -0.01

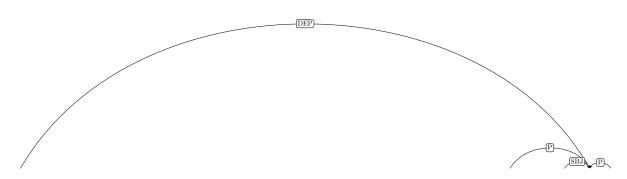


A disaffected , hard-drinking , nearly-30 hero sets off for snow country at the behest of a sinister , erudite mobster with a Stanford degree in search of an elusive sheep with a star on its back . DET ADJ X ADJ X ADJ NOUN VERB PART ADP NOUN NOUN ADP DET NOUN ADP D

$$\phi(\text{ref})$$
 - $\phi(\text{var})$: dlg = 0.0 wtembdep = -20.02 ldep = 0.0

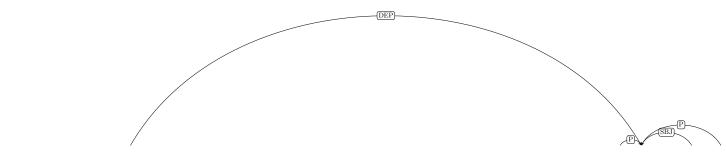
 $wsj_0037.39.0$

Reference Sentence spearman allwords = 0.0



Discos and private clubs are exempt from the ban , and smoking will be permitted in bars except during meal hours , an official said . NOUN CCONJ ADJ NOUN VERB ADJ ADP DET NOUN X CCONJ NOUN VERB VERB VERB ADP NOUN ADP ADP NOUN NOUN X DET NOUN VERB X 0.3 0.07 -1.5 0.3 0.51 -1.5 -2.88 -4.97 0.3 -0.65 0.07 0.3 0.51 0.51 0.51 0.51 0.51 -2.88 0.3 -2.88 0.3 0.3 -2.88 0.3 0.3 -0.65 -4.97 0.3 0.51 -0.65

Variant Sentence spearman allwords = -1.0

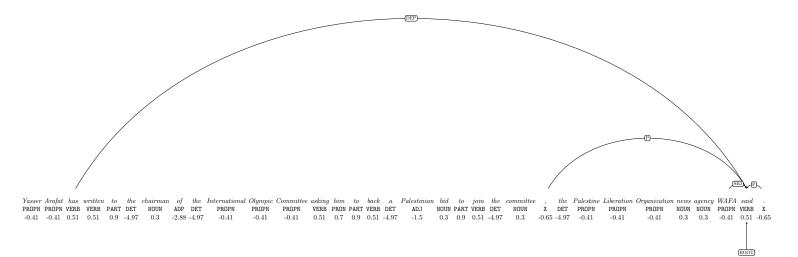


ROOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 38.18 ldep = -2.0

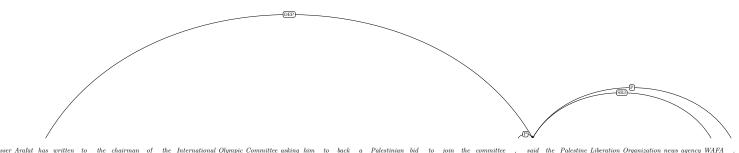
 $wsj_0037.52.0$

Reference Sentence spearman allwords = 0.0



wsj_0037.52.1

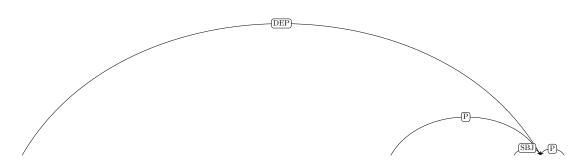
Variant Sentence spearman allwords = -0.66



ROOT

 $wsj_0037.55.0$

Reference Sentence spearman allwords = 0.0

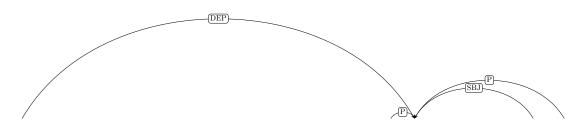


Beijing food-shop assistant has become the first mainland Chinese to get AIDS through sex the People Daily said NOUN PART VERB PROPN ADP NOUN X DET PROPN PART PROPN VERB X DET PROPN NOUN VERB VERB DET ADJ NOUN -4.97 -0.41-1.50.3 0.510.51 -4.97 -1.50.3 $0.9 \quad 0.51 \quad -0.41$ -2.880.3 -0.65 -4.97 -0.41 0.9 -0.41 0.51 -0.65 0.3

ROOT

 $wsj_0037.55.1$

Variant Sentence spearman allwords = -0.63



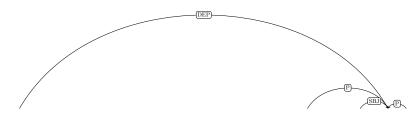
Beijing food-shop assistant has become the first mainland Chinese to get AIDS through sex said the People 's DET PROPN NOUN PART VERB PROPN ADP NOUN X VERB DET PROPN PART PROPN X VERB VERB DET ADJ NOUN NOUN -4.97 -0.41 0.51 -4.97 -1.5 $0.9 \quad 0.51 \quad \text{-}0.41 \quad \text{-}2.88$ 0.3 -0.65 0.51 -4.97 -0.41 0.9 -0.41 -0.65 -1.50.3 0.510.3 0.3



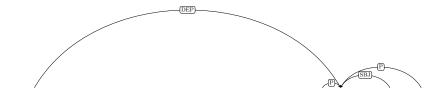
$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = -25.93 ldep = -4.0

 $wsj_0037.57.0$

Reference Sentence spearman allwords = 0.0



Variant Sentence spearman allwords = -1.0



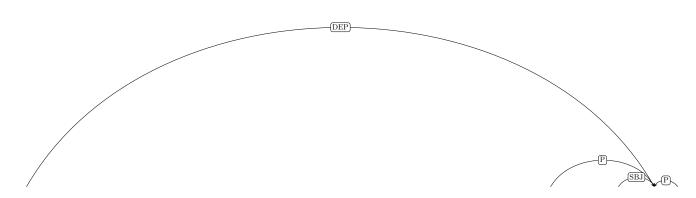
ROOT

ROOT

 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 80.48 ldep = 2.0

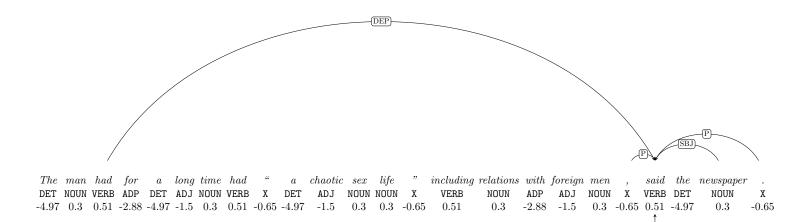
 $wsj_0037.58.0$

Reference Sentence spearman allwords = 0.0



a long time had $including\ relations\ with\ foreign\ men$ The man had for a chaotic sex life $the \ newspaper \ said$ DET NOUN VERB ADP DET ADJ NOUN VERB X ADJ NOUN NOUN X VERB NOUN ADP ADJ NOUN X NOUN VERB X DET DET $\hbox{-}4.97 \quad 0.3 \quad 0.51 \ \hbox{-}2.88 \ \hbox{-}4.97 \ \hbox{-}1.5 \quad 0.3 \quad 0.51 \ \hbox{-}0.65 \ \hbox{-}4.97$ -1.5 $0.3 \quad 0.3 \quad -0.65$ 0.510.3-2.88 -1.50.3 -0.65 -4.970.3 0.51 - 0.65

Variant Sentence spearman allwords = -1.0

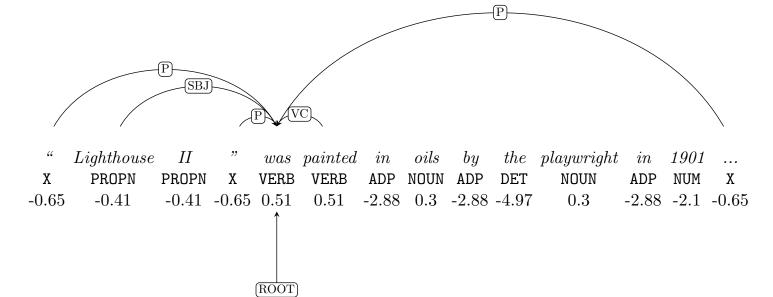


 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 84.42 ldep = -18.0

ROOT

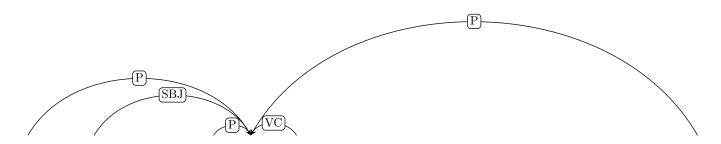
 $wsj_0037.69.0$

Reference Sentence spearman allwords = 0.43



 $wsj_0037.69.5$

 $\begin{array}{c} Variant\ Sentence\\ spearman\ allwords = 0.09 \end{array}$



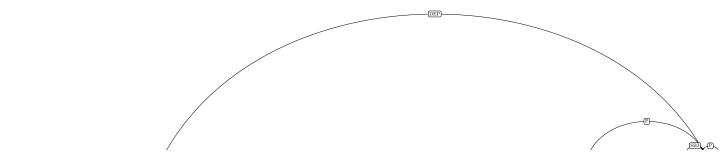
LighthouseIIwas painted by the playwright 1901 oilsinX **PROPN PROPN** X VERB VERB ADP DET NOUN ADP NUM ADP NOUN X -0.65-0.41-0.41 -0.65 0.510.51-2.88 - 4.970.3-2.88 -2.1 -2.880.3 - 0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 6.63 ldep = 8.0

 $wsj_0037.70.0$

Reference Sentence spearman allwords = 0.0

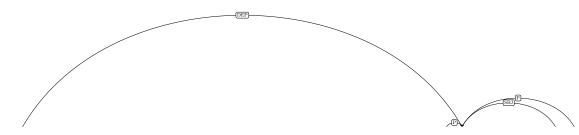


After years of decline , weddings in France showed a 2.2 % upturn last year , with 6,000 more couples exchanging rings in 1988 than in the previous year , the national statistics office said .

ADP NOUN AD NOUN AD NOUN X NOUN BOD NOUN X NOUN AD PROPN VERB O.3 -2.88 -0.41 0.51 -4.97 -2.1 0.3 0.3 -1.5 0.3 -0.65 -2.88 -2.1 -1.5 0.3 0.51 -0.65 -2.88 -2.1 -1.5 0.3 0.51 0.51 -0.65 -1.8 -2.1 -1.5 0.3 0.51 0.51 -0.65 -1.8 -2.1 -2.88

 $wsj_0037.70.2$

Variant Sentence spearman allwords = -0.95



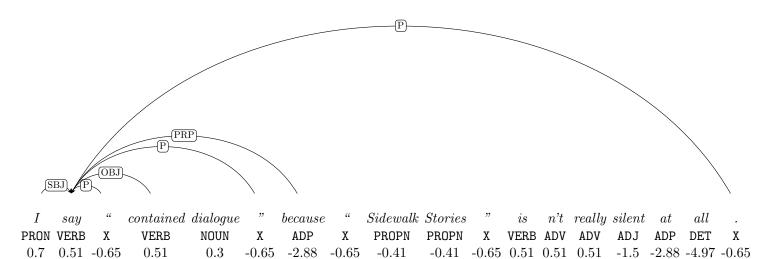
ROOT

(ROOT)

After years of decline , weddings in France showed a 2.2 % upturn last year , with 6,000 more couples exchanging rings in 1988 than in the previous year , said the national statistics office .

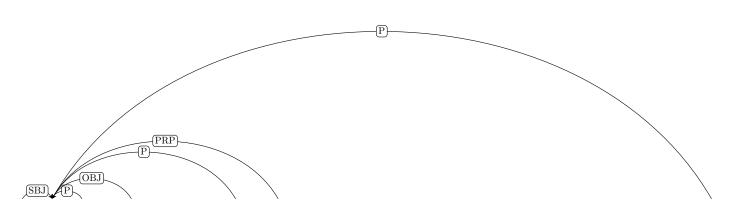
ADP NOUN ADP NOUN ADP NOUN ADP NOUN ADP NOUN X NOUN BOT NOUN ADP NOUN

Reference Sentence spearman allwords = 0.33



(ROOT) wsj_0039.8.2

Variant Sentence spearman allwords = 0.07

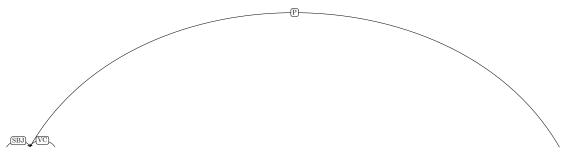


Sidewalk Stories contained dialogue becausen'tall silent really sayisatPRON VERB NOUN Х ADP VERB ADV ADP Х X **VERB** X PROPN PROPN Х DET ADJ ADV $0.7 \quad 0.51 \quad -0.65$ 0.3-0.65-0.41 -0.65 0.51 0.51 -2.88 -4.97 -1.50.51-2.88 -0.65-0.410.51 - 0.65

ROOT

$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 0.0 wtembdep = 73.07 ldep = 28.0

 $wsj_0041.30.0$

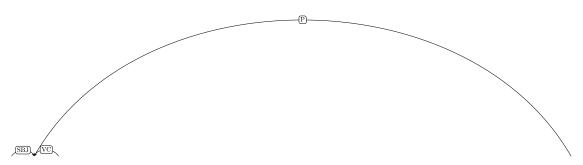


The city 's Campaign Finance Board has refused to pay Mr. Dinkins \$ 95,142 in matching funds because his campaign records are incomplete DET NOUN PART PROPN PROPN PROPN VERB VERB PART VERB PROPN PROPN SYM NUM ADP ADJ NOUN ADP PRON NOUN NOUN VERB ADJ $-0.41 \quad -0.41 \quad 0.51 \quad 0.51 \quad 0.9 \quad 0.51 \quad -0.41 \quad -0.41 \quad -0.41 \quad -2.1 \quad -2.88$ $-4.97 \quad 0.3 \quad 0.9$ 0.3-2.880.7 0.30.30.51 -0.65 -0.41-1.5-1.5

ROOT

 $wsj_0041.30.1$

Variant Sentence spearman allwords = 0.2

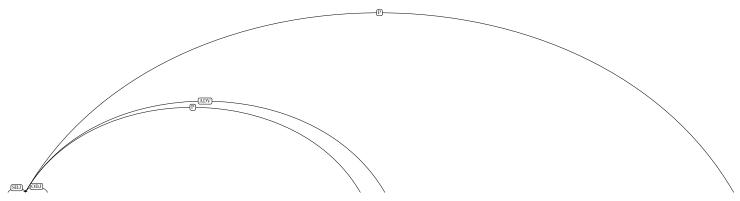


's Campaign Finance Board has refused to pay \$ 95,142 in matching funds to The city Mr. Dinkins because his campaign records are incomplete PROPN PROPN VERB VERB PART VERB SYM NUM ADP DET NOUN PART PROPN NOUN PART PROPN PROPN ADP PRON NOUN NOUN VERB ADJ ADJ $-4.97 \quad 0.3 \quad 0.9$ -0.41 $\hbox{-}0.41 \quad \hbox{-}0.41 \quad 0.51 \quad 0.51 \quad 0.9 \quad 0.51 \ \hbox{-}0.41 \quad \hbox{-}2.1 \quad \hbox{-}2.88$ -1.5 $0.3 \quad 0.9 \quad \text{-}0.41 \quad \text{-}0.41$ -2.880.30.30.51-1.5-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 275.25 ldep = 3.0

 $wsj_0044.98.0$



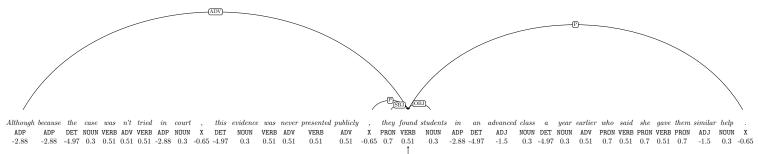
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 ADP
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 VERB
 ADP
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 X
 DET

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 -1.5
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 -0.65
 -2.88
 -2.88
 -4.97
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 0.51
 -2.88
 0.3
 -0.65
 -4.97
 $\begin{array}{cccc} They \ found \ students & in & an \\ \texttt{PRON} \ \ \texttt{VERB} & \texttt{NOUN} & \texttt{ADP} & \texttt{DET} \end{array}$ NOUN VERB ADV 0.3 -2.88 -4.97 -1.5 0.3 0.51 - 0.510.51 0.51 - 0.65

(ROOT) $wsj_0044.98.2$

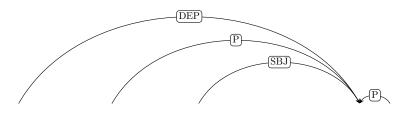
Variant Sentence spearman allwords = -0.51



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = -1.0 wtembdep = -248.81 ldep = 31.0

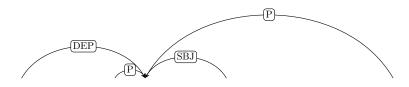
 $wsj_0045.8.0$

Reference Sentence spearman allwords = 0.0



and researchers say Close parallels between tests and practice tests are common some educators NOUN CCONJ ADJ NOUN ADP NOUN NOUN VERB Х DET NOUN CCONJ NOUN **VERB** Х ADJ 0.3 -1.5-2.880.3 0.07 0.3 0.30.51-1.5-0.65 -4.970.3 0.07 0.3 0.51 - 0.65

(ROOT)



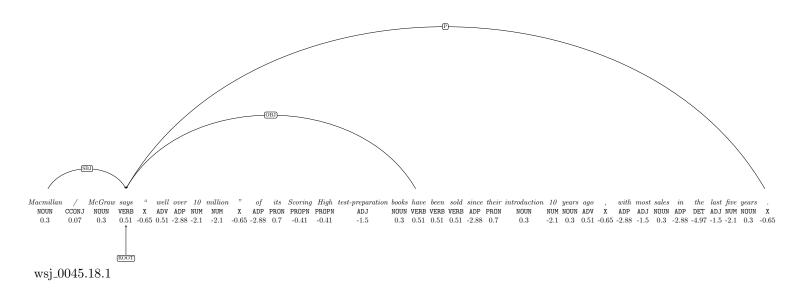
 $say \ some \ educators$ Close parallels between tests and practice tests are common and researchers ADJ NOUN CCONJ NOUN X NOUN CCONJ NOUN NOUN VERB ADJ X VERB DET NOUN -1.50.3 -2.880.07-1.5 $-0.65 \ 0.51 \ -4.97$ 0.3 0.07 0.3-0.650.30.30.30.51



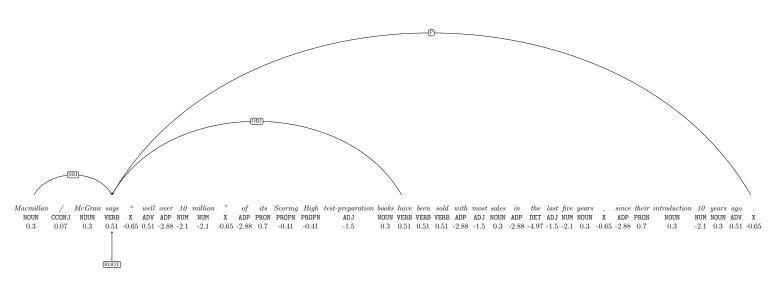
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 3.0 wtembdep = -179.79 ldep = 2.0

 $wsj_0045.18.0$

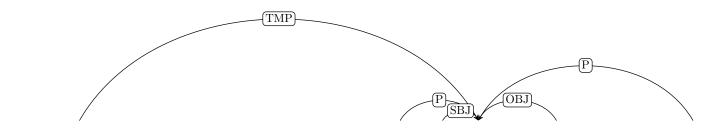
Reference Sentence spearman allwords = 0.17



Variant Sentence spearman allwords = -0.08



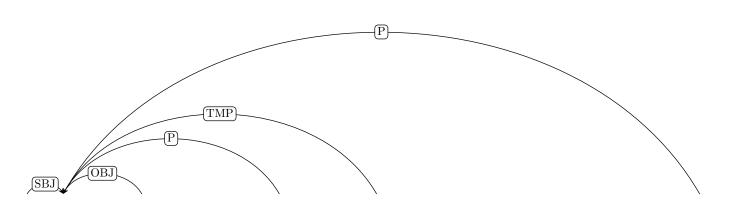
Reference Sentence spearman allwords = 1.0



When referred tothe questions that matched hesaidwas coincidental **VERB** ADV **VERB** PART DET NOUN DET X PRON VERB PRON VERB ADJ Х 0.51 0.51 0.9 - 4.970.3 -4.97 0.51 $-0.65 \quad 0.7$ 0.510.70.51-1.5-0.65



 $wsj_0045.24.1$

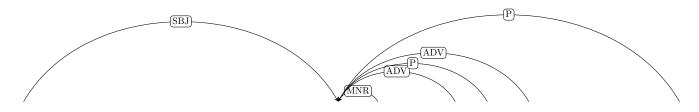


Hesaidit $was \ coincidental$ when referred tothe questions that matched NOUN Х PRON VERB PRON VERB ADJ Х ADV VERB PART DET DET **VERB** 0.70.510.70.51-1.5 $-0.65 \ 0.51$ 0.510.9 - 4.970.3-4.970.51-0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 72.95 ldep = 5.0

 $wsj_0048.7.0$

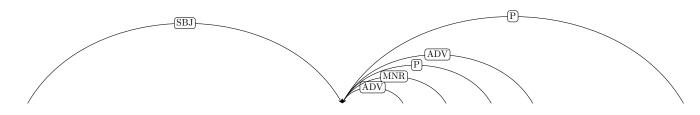


the 100 largest Nasdaq financial stocks rose modestly The index wellgaining 1.28 449.04 asDET NOUN ADP DET NUM ADJ PROPN NOUN VERB ADV ADP Х NUM Х ADJ ADV VERB NUM PART -4.97 0.3 -2.88 -4.97 -2.1 -0.41-1.50.3 0.510.51 -2.88 0.51 -0.65 0.51-2.1-2.1-1.5-0.65



 $wsj_0048.7.1$

Variant Sentence spearman allwords = -0.67



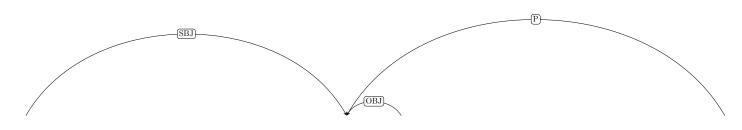
the 100 largest Nasdaq financial stocks rose as well modestly The index of gaining 1.28 449.04 ADJ PROPN NOUN VERB ADP ADV DET NOUN ADP DET NUM ADJ ADV Х VERB NUM PART NUM Х -4.97 0.3 -2.88 -4.97 -2.1 -1.5-0.41-1.50.3 0.51 -2.88 0.510.51-0.650.51-2.10.9 -2.1-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 81.21 ldep = 1.0

 $wsj_0051.6.0$

Reference Sentence spearman allwords = 0.5

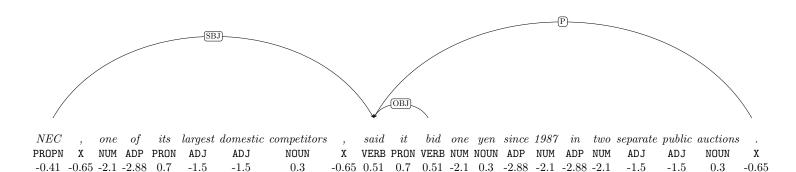


one of itslargest domestic competitors said itbid one yen in two separate public auctions since 1987 NOUN VERB PRON VERB NUM NOUN ADP NUM ADJ Х NUM ADP PRON ADJ ADJ ADJ NOUN ADP NUM Х -0.41 -0.65 -2.1 -2.88 0.7-1.5-1.50.3 $\hbox{-0.65 }0.51 \hbox{ }0.7 \hbox{ }0.51 \hbox{ }\hbox{-2.1 }0.3 \hbox{ }\hbox{-2.88 }\hbox{-2.1}$ -1.5-1.5 0.3 -2.88 -2.1 -0.65



 $wsj_0051.6.1$

Variant Sentence spearman allwords = 0.3

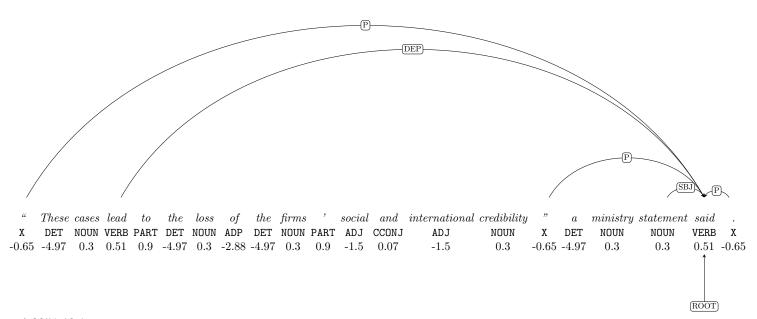


 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 33.21 ldep = -10.0

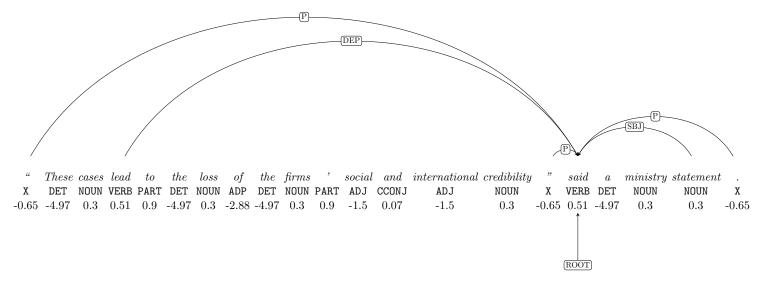
ROOT

 $wsj_0051.10.0$

Reference Sentence spearman allwords = 0.0



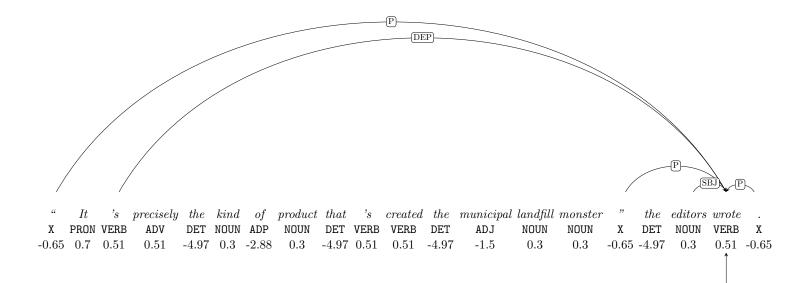
 $wsj_0051.10.1$



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -103.13 ldep = 7.0

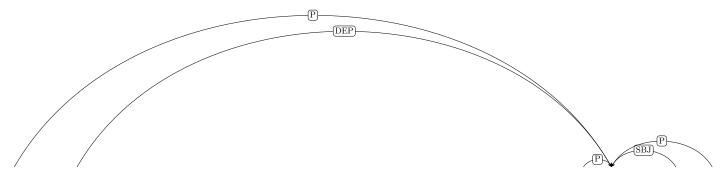
 $wsj_0062.12.0$

Reference Sentence spearman allwords = 0.0



 $wsj_0062.12.1$

Variant Sentence spearman allwords = -1.0 ROOT



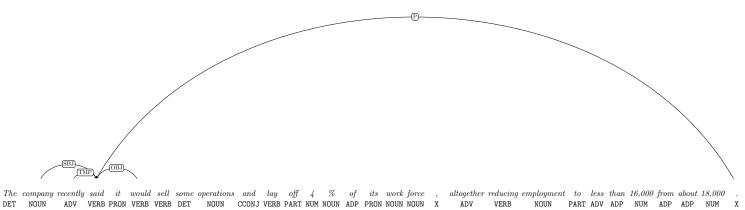
 $precisely \ the \ kind \ of \ product \ that \ 's \ created \ the \ municipal \ land fill \ monster$ wrote the PRON VERB DET NOUN ADP NOUN DET VERB VERB NOUN NOUN Х VERB DET NOUN \mathtt{ADV} ADJ Х -0.65 0.7 0.510.51 $-4.97 \quad 0.3 \quad -2.88$ 0.3 $-4.97 \ 0.51$ 0.51-1.5 0.30.3 $-0.65 \ 0.51 \ -4.97$ 0.3-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -187.76 ldep = -3.0

 $wsj_0067.11.0$

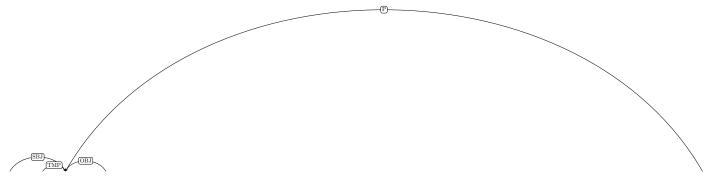
Reference Sentence spearman allwords = 0.18



ADV VERB NOUN PART ADV ADP NUM ADP ADP NUM 0.9 0.51 -2.88 -2.1 -2.88 -2.88 -2.1 -0.65 0.3 $0.51 \quad 0.51 \quad 0.7 \quad 0.51 \quad 0.51 \ \text{--}4.97$ 0.3 $0.07 \quad 0.51 \quad 0.9 \quad \text{-}2.1 \quad 0.3 \quad \text{-}2.88 \quad 0.7 \quad 0.3 \quad 0.3 \quad \text{-}0.65 \qquad 0.51$ 0.51

 $wsj_0067.11.1$

Variant Sentence spearman allwords = 0.09

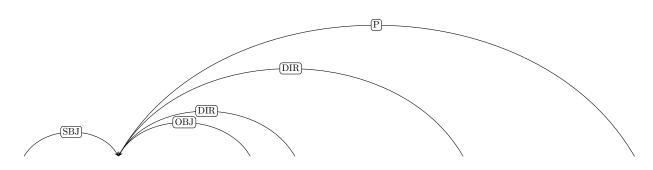


ROOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = -0.0 wtembdep = -88.94 ldep = 9.0

 $wsj_0068.1.0$

Reference Sentence spearman allwords = 0.38

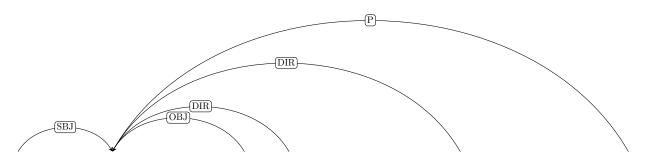


GOODY PRODUCTS Inc. quarterly dividend to five cents share from 11.5 cents cutitsasharePROPN PROPN PROPN VERB PRON ADJ NOUN PART NUM NOUN DET NOUN ADP NUM NOUN DET NOUN X $-0.41 \quad 0.51 \quad 0.7$ -0.41-0.41-1.50.3 0.9 -2.1 0.3 -4.97 0.3 -2.88 -2.1 0.3 -4.97 0.3 -0.65

ROOT

 $wsj_0068.1.1$

Variant Sentence spearman allwords = 0.15



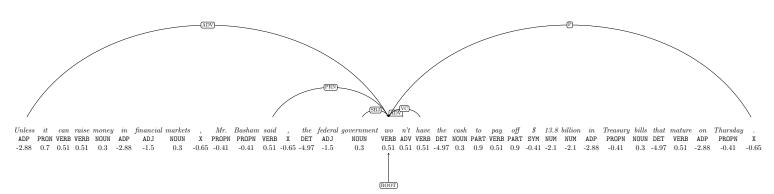
GOODY PRODUCTS quarterly dividend from 11.5 cents Inc.five cents itsshare to PROPN PROPN PROPN VERB PRON ADJ NOUN ADP NUM NOUN DET NOUN PART NUM NOUN DET NOUN 0.3 -0.41-0.41 $-0.41 \quad 0.51$ 0.7-1.5-2.88 - 2.10.3 - 4.970.30.9 - 2.1



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 319.03 ldep = 7.0

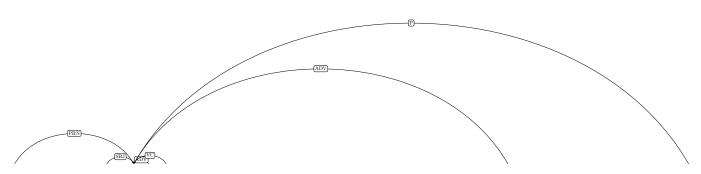
 $wsj_0075.3.0$

Reference Sentence spearman allwords = 0.39

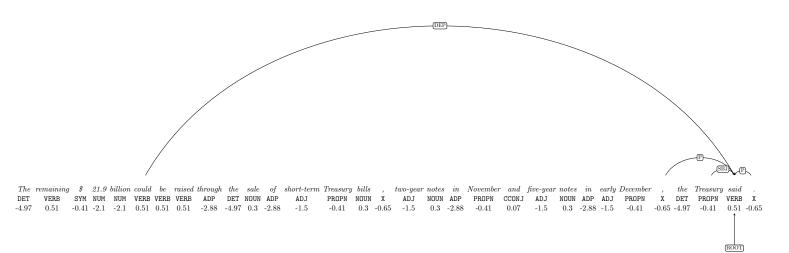


 $wsj_0075.3.1$

Variant Sentence spearman allwords = 0.19

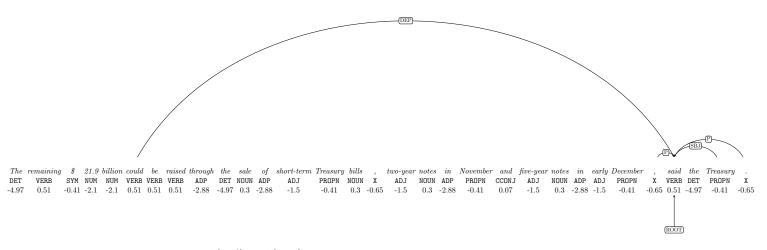


 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -639.06 ldep = -43.0



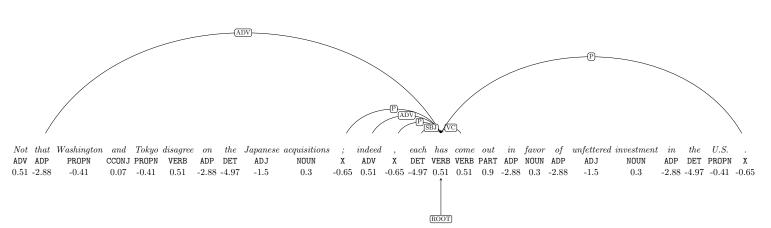
 $wsj_0075.18.1$

Variant Sentence spearman allwords = -1.0

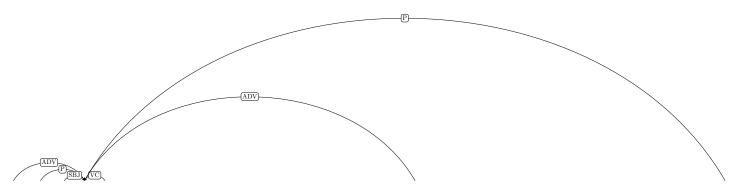


 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 65.51 ldep = -2.0

 $wsj_0082.3.0$



Variant Sentence spearman allwords = 0.18



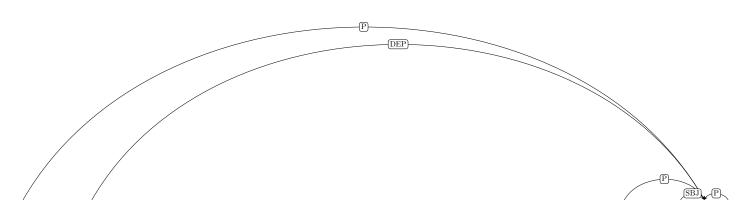
Indeedeach has come out in favor of unfettered investment in the U.S. not that Washington and Tokyo disagree on the Japanese acquisitions DET VERB VERB PART ADP NOUN ADP ADJ ADP DET PROPN ADV ADP PROPN CCONJ PROPN VERB ADP DET ADV NOUN ADJ NOUN Х $0.51 \ \ \text{-}0.65 \ \text{-}4.97 \ \ 0.51 \ \ \ 0.51 \ \ \ 0.9 \ \ \text{-}2.88 \ \ \ 0.3 \ \ \text{-}2.88$ 0.30.3-0.65 -1.5 $\hbox{-}2.88 \hbox{ -}4.97 \hbox{ -}0.41 \hbox{ }0.51 \hbox{ -}2.88$ -0.410.07 - 0.410.51 -2.88 -4.97-1.5

ROOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -470.23 ldep = -0.0

 $wsj_0088.25.0$

Reference Sentence spearman allwords = 0.0

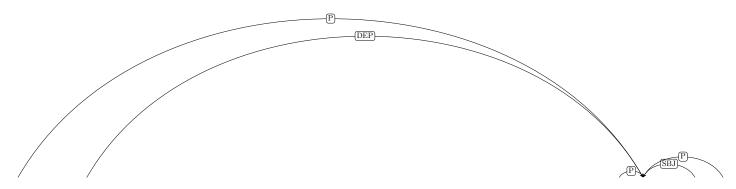


Markey said we could have done this in public $because \quad so \quad little \ sensitive \ information \quad was \ disclosed$ $the \quad aide \quad said$ VERB PROPN VERB PRON VERB VERB VERB DET ADP NOUN X ADP ADV ADV ADJ NOUN VERB DET NOUN VERB X Х 0.3 - 0.65 $-2.88 \quad 0.51 \quad 0.51$ -1.50.3 0.510.51-0.65 -4.97 0.3 0.51 -0.65

ROOT

 $wsj_0088.25.2$

Variant Sentence spearman allwords = -1.0



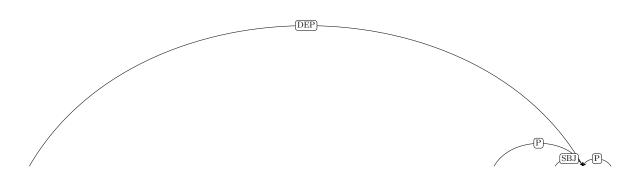
Markey said we could have done this in public " $because \quad so \quad little \ sensitive \ information \quad was \quad disclosed$ $said \quad the \quad aide$ ADJ PROPN VERB PRON VERB VERB VERB DET ADP NOUN X ADP ADV ADV NOUN VERB VERB X VERB DET NOUN X $-0.65 \quad -0.41 \quad 0.51 \quad 0.7 \quad 0.51 \quad 0.51 \quad 0.51 \quad -4.97 \quad -2.88 \quad 0.3 \quad -0.65 \quad -2.88 \quad 0.51 \quad 0.51$ -1.5 0.3 0.51 0.51 $-0.65 \ 0.51 \ -4.97 \ 0.3 \ -0.65$



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 94.83 ldep = 14.0

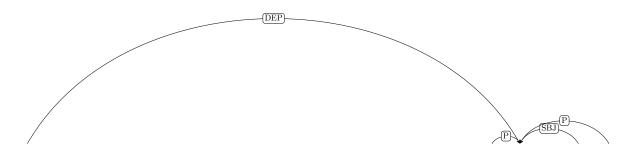
 $wsj_0088.26.0$

Reference Sentence spearman allwords = 0.0





 $wsj_0088.26.1$

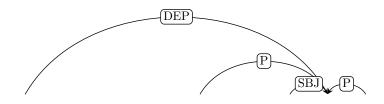




 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 68.2 ldep = 18.0

 $wsj_0089.22.0$

Reference Sentence spearman allwords = 0.0

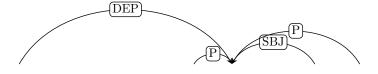


can occur only once Each variation changethe rules state orDET NOUN X NOUN X VERB VERB ADV ADV CCONJ Х DET NOUN VERB 0.3 -4.97 $-0.65 \quad 0.07$ 0.3 $-0.65 \ 0.51 \ 0.51 \ 0.51 \ 0.51 \ -0.65 \ -4.97 \ 0.3$ 0.51 - 0.65



wsj_0089.22.1

Variant Sentence spearman allwords = -1.0

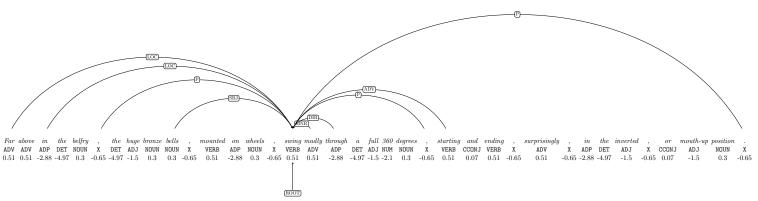


Each variation changecan occur only once state the rules orDET NOUN X CCONJ NOUN X VERB VERB ADV ADV Х VERB DET NOUN Х 0.3 $-0.65 \ 0.51 \ 0.51 \ 0.51 \ 0.51 \ -0.65 \ 0.51 \ -4.97 \ 0.3 \ -0.65$ -4.97 $-0.65 \quad 0.07$ 0.3



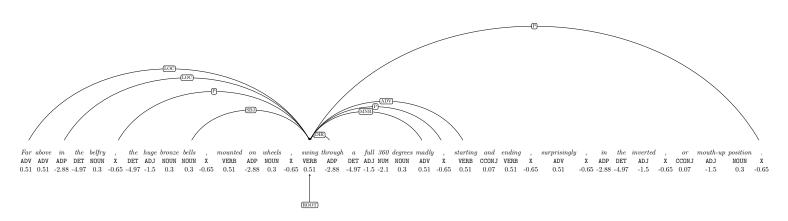
 $wsj_0089.29.0$

Reference Sentence spearman allwords = 0.06



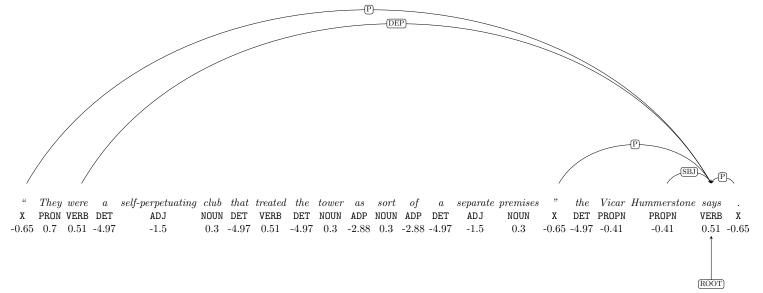
 $wsj_0089.29.2$

Variant Sentence spearman allwords = -0.07



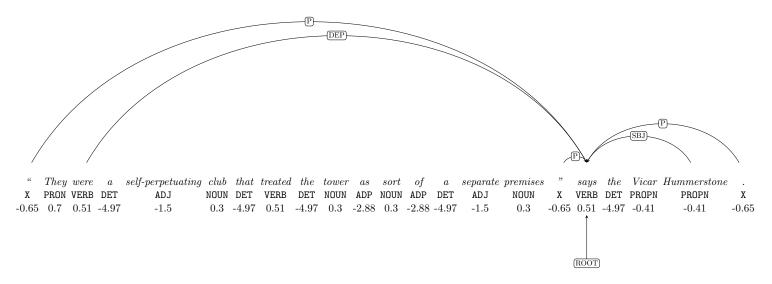
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = -1.0 wtembdep = 351.56 ldep = 41.0

 $wsj_0089.40.0$



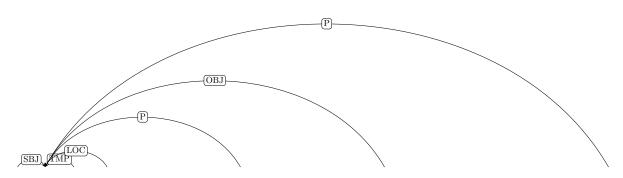
 $wsj_0089.40.1$

Variant Sentence spearman allwords = -0.87



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -588.64 ldep = -9.0

Reference Sentence spearman allwords = 0.0

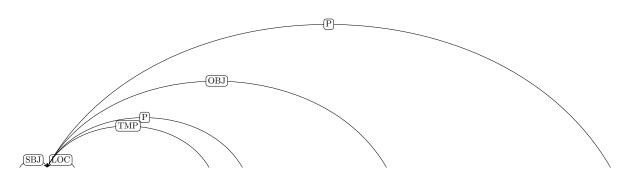


An entirely new band rings today at Great Torrington several of whom are members ofthe congregation ADJ NOUN VERB NOUN ADP X ADJ PROPN Х ADJ ADP PRON VERB NOUN ADP DET NOUN -1.5 0.3 0.51 0.3 -2.88 -1.5 -4.970.51-0.41-0.65-1.5-2.880.70.51 0.3-2.88 - 4.970.3 -0.65

ROOT

 $wsj_0089.41.1$

Variant Sentence spearman allwords = -0.08

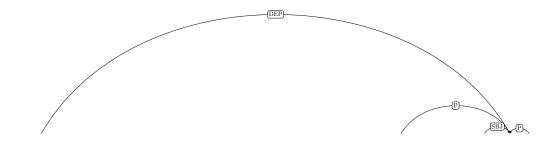


 $An \quad entirely \ new \ band \ rings \quad at \quad Great \ Torrington \ today$ several of whom are members ofthe congregation ADJ NOUN VERB ADP ADP DET PROPN NOUN ADJ ADP PRON VERB NOUN DET NOUN ADJ Х Х -1.5 0.3 0.51 -2.88 -1.5 -4.97-0.410.3 - 0.65-1.5 -2.880.70.51 0.3-2.88 - 4.970.3 -0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = -0.0 wtembdep = -420.06 ldep = -2.0

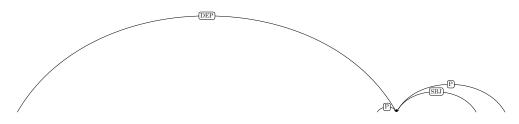
 $wsj_0090.18.0$



(ROOT)

 $wsj_0090.18.1$

Variant Sentence spearman allwords = -0.87

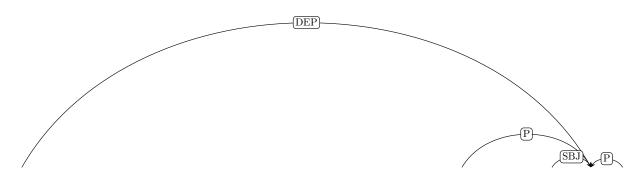




 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -45.9 ldep = 1.0

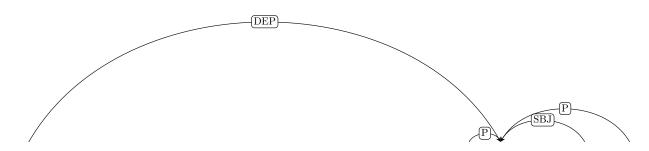
 $wsj_0093.21.0$

Reference Sentence spearman allwords = 0.0



brief the president U.S. sources said Andhe plans thethe week toatendof PROPN NOUN CCONJ PRON VERB PART VERB DET NOUN DET NOUN ADP DET NOUN X ADP Х **VERB** 0.3 0.070.51 - 4.97 $-2.88 - 4.97 \quad 0.3 \quad -2.88 - 4.97 \quad 0.3 \quad -0.65 \quad -0.41$ 0.51 - 0.650.510.90.3

Variant Sentence spearman allwords = -1.0



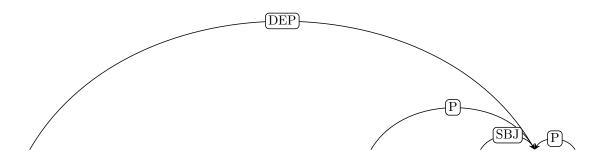
Andbrief the president at thesaidU.S. sources he plans endthe week CCONJ PRON VERB PART VERB DET NOUN ADP DET NOUN ADP DET NOUN Х VERB PROPN NOUN X $-2.88 - 4.97 \quad 0.3 \quad -2.88 \quad -4.97 \quad 0.3 \quad -0.65 \quad 0.51 \quad -0.41$ 0.07 0.51 0.9 0.51 -4.970.3 0.3-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 0.09 ldep = -0.0

 $wsj_0096.9.0$

Reference Sentence spearman allwords = 0.0

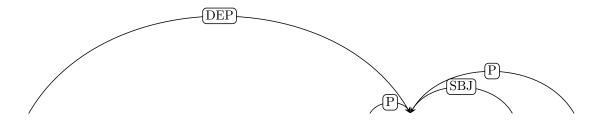


J.L. Henry has any Miami telephone listing n'toperator said anPROPN PROPN VERB ADV DET PROPN NOUN NOUN Х NOUN X DET **VERB** -0.41 -0.41 0.51 0.51 -4.97 -0.410.3 -0.65 -4.970.30.3 0.51 - 0.65

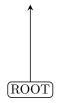


 $wsj_0096.9.1$

Variant Sentence spearman allwords = -1.0



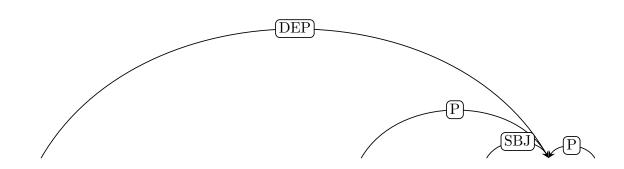
any Miami telephone listing J.L. Henry has n'tsaidanoperator PROPN PROPN VERB ADV DET PROPN NOUN NOUN Х VERB DET NOUN X $\hbox{-}0.41 \quad \hbox{-}0.41 \quad 0.51 \ \ 0.51 \ \ \hbox{-}4.97 \quad \hbox{-}0.41$ $-0.65 \ 0.51 \ -4.97$ 0.30.30.3-0.65



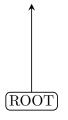
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 66.97 ldep = -3.0

 $wsj_0096.12.0$

Reference Sentence spearman allwords = 0.0

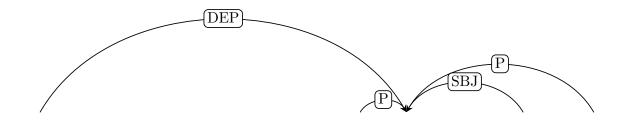


Biscayne has n'tany telephone listing operator said an**PROPN** VERB ADV DET NOUN NOUN X NOUN **VERB** X **DET** $0.51 \ 0.51 \ -4.97$ 0.3 0.3-0.65 - 4.970.3 0.51 - 0.65-0.41



 $wsj_0096.12.1$

Variant Sentence spearman allwords = -1.0



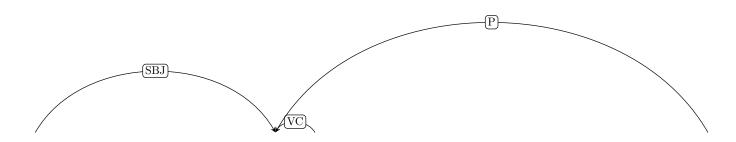
any telephone listing Biscayne has n'tsaidoperatoran**PROPN** VERB ADV DET NOUN NOUN X **VERB** DET NOUN X $0.51 \ 0.51 \ -4.97$ 0.3 0.3 $-0.65 \ 0.51 \ -4.97$ 0.3 -0.41-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 58.28 ldep = 1.0

wsj_0100.34.0

Reference Sentence spearman allwords = 0.72

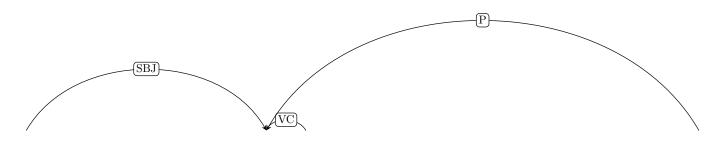


Profit from continuing operations has soared to \$ 467 million from 75 million NOUN ADP NOUN ADP NUM **VERB** VERB VERB PART SYM NUM NUM SYM NUM Х 0.3 - 2.880.510.3 0.510.510.9 - 0.41 - 2.1-2.1 -2.88 -0.41 -2.1 -2.1-0.65



 $wsj_0100.34.1$

Variant Sentence spearman allwords = -0.1



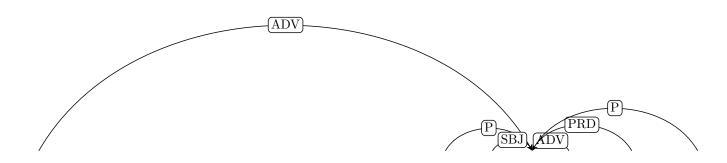
Profit from continuing operations has soared from \$ 75 million 467 million toNOUN ADP **VERB** NOUN VERB VERB ADP SYM NUM NUM PART SYM NUM NUM Х 0.51 -2.88 -0.41 -2.1 0.3 - 2.880.3 -2.10.9 -0.41 -2.1-2.10.510.51-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = -0.0 wtembdep = -244.6 ldep = 9.0

 $wsj_0102.25.0$

Reference Sentence spearman allwords = 1.0

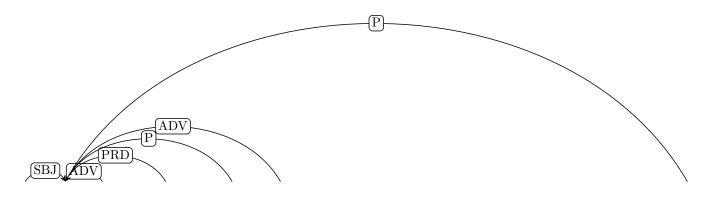


Whilebreaks down prolonged sunlight n't recyclable itinitPRON VERB ADV ADP PRON VERB PART ADP **VERB** NOUN X ADJ X -2.88 0.7 0.510.9 - 2.880.510.3 $-0.65 \quad 0.7$ $0.51 \ 0.51$ -1.5-0.65



wsj_0102.25.1

 $\begin{array}{c} Variant\ Sentence\\ spearman\ allwords = 0.06 \end{array}$



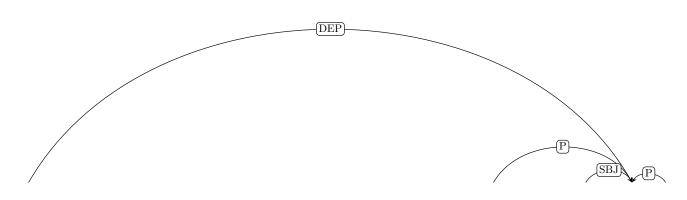
Itn't recyclable whilebreaks down in prolonged sunlight isitPRON VERB ADV ADJ ADP PRON VERB PART ADP **VERB** Х NOUN X 0.9 - 2.880.7 $0.51 \ 0.51$ -1.5 $-0.65 - 2.88 \quad 0.7$ 0.510.510.3-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 3.0 wtembdep = 142.31 ldep = -3.0

 $wsj_0102.40.0$

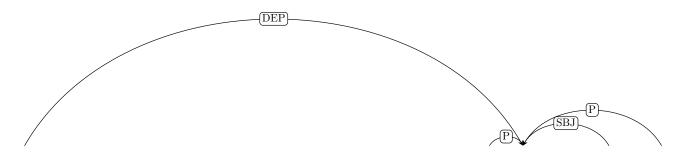
Reference Sentence spearman allwords = 0.0



the company says would ease jail overcrowding while preserving historic structures PRON VERB VERB NOUN NOUN ADP **VERB** ADJ NOUN X DET NOUN **VERB** Х 0.7 $0.51 \quad 0.51$ 0.3 -2.880.51-1.50.3 -0.65 -4.970.30.30.51 - 0.65

ROOT

 $wsj_0102.40.2$



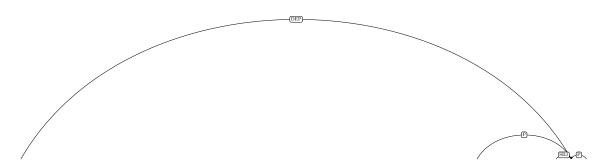
would ease jail overcrowding while preserving historic structures company saysPRON VERB VERB NOUN NOUN ADP **VERB** ADJ NOUN VERB DET NOUN Х -2.88 0.7 $0.51 \quad 0.51$ 0.30.3 0.51-1.50.3 $-0.65 \ 0.51 \ -4.97$ 0.3 -0.65

ROOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 81.3 ldep = -26.0

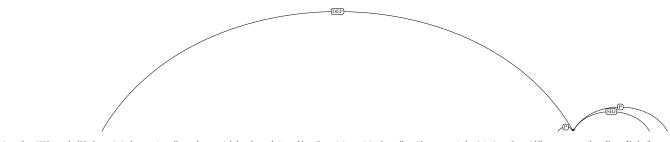
 $wsj_0102.42.0$

Reference Sentence spearman allwords = 0.0



 $wsj_0102.42.1$

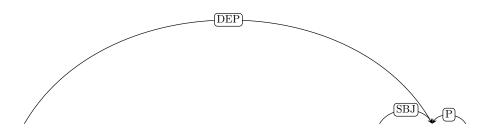
Variant Sentence spearman allwords = -0.95



ROOT

 $wsj_0103.11.0$

Reference Sentence spearman allwords = 0.0



Once we they will receive very serious evaluation the spokesman said doX ADP PRON VERB NOUN **VERB** X Х PRON VERB VERB ADV ADJ NOUN Х DET $-0.65 - 2.88 \quad 0.7$ $0.51 - 0.65 \ 0.7$ 0.510.510.51-1.50.3-0.65 -4.970.3 0.51 - 0.65



 $wsj_0103.11.1$

Variant Sentence spearman allwords = -1.0

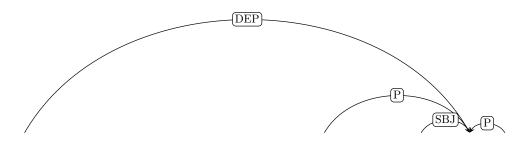


Once we dothey will receive very serious evaluation thespokesmansaidX ADP PRON VERB X PRON VERB VERB \mathtt{ADV} ADJ NOUN X VERB DET NOUN Х $0.51 - 0.65 \ 0.7$ -1.50.3 $-0.65 \ 0.51 \ -4.97$ 0.3 $-0.65 - 2.88 \quad 0.7$ 0.510.510.51-0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 55.85 ldep = 2.0

 $wsj_0106.2.0$



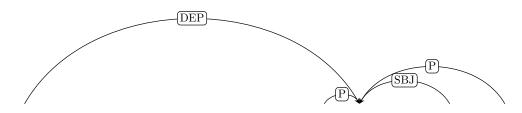
 $n't \quad retractable$ Perpetual preferred shares are the holders bythecompany said ADJ **VERB** NOUN VERB ADV ADJ DET NOUN X DET NOUN **VERB** X ADP -1.50.510.3 $0.51 \ 0.51$ -1.5-2.88 - 4.970.3 -0.65 - 4.970.3 0.51 - 0.65

ROOT

ROOT

 $wsj_0106.2.1$

Variant Sentence spearman allwords = -1.0



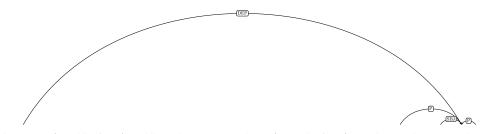
Perpetual preferred shares are n't retractable bythe holders saidthe company ADJ **VERB** NOUN VERB ADV NOUN ADJ ADP DET X VERB DET NOUN Х -1.50.510.3 $0.51 \ 0.51$ -1.5-2.88 - 4.970.3 $-0.65 \ 0.51 \ -4.97$ 0.3 -0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 62.78 ldep = -0.0

 $wsj_0109.33.0$

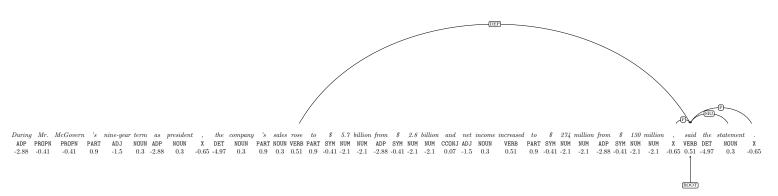
Reference Sentence spearman allwords = 0.0



During Mr. McGovern 's nine-year term as president , the company 's sales rose to \$ 5.7 billion from \$ 2.8 billion and net income increased to \$ 274 million from \$ 130 million , the statement said .

ADP PROPN PROPN PROPN PROPN PROPN PART ADJ NOUN ADP NOUN X DET NOUN VERB PART SYM NUM NUM ADP SYM NUM NUM CCONJADJ NOUN VERB PART SYM NUM NUM ADP SYM NUM NUM CCONJADJ NOUN VERB PART SYM NUM NUM ADP SYM NUM NUM X DET NOUN VERB X -2.88 -0.41 -0.41 0.9 -1.5 0.3 -2.88 0.3 -0.65 -4.97 0.3 0.9 0.3 0.51 0.9 -0.41 -2.1 -2.1 -2.8 -0.41 -2.1 -2.5 0.3 0.51 0.9 -0.41 -2.1 -2.1 -2.8 -0.41 -2.1 -2.1 -2.8 -0.41 -2.1 -2.1 -2.8 -0.41 -2.1 -2.1 -2.8 -0.41 -2.1 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.1 -2.8 -0.41 -2.8 -0.41 -2.1 -2.8 -0.41 -2.8 -

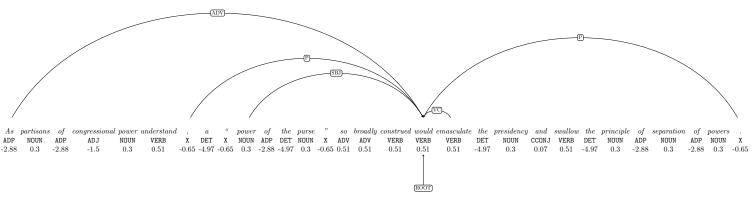
Variant Sentence spearman allwords = -1.0



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 202.24 ldep = -16.0

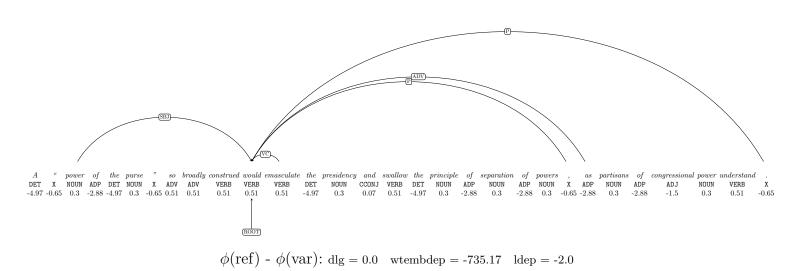
wsj_0112.8.0

Reference Sentence spearman allwords = 0.12

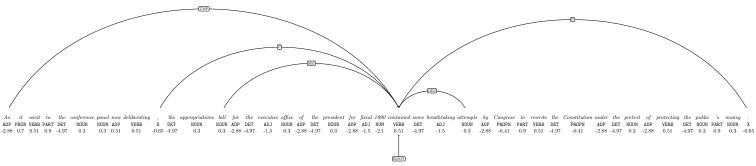


 $wsj_0112.8.1$

Variant Sentence spearman allwords = -0.04

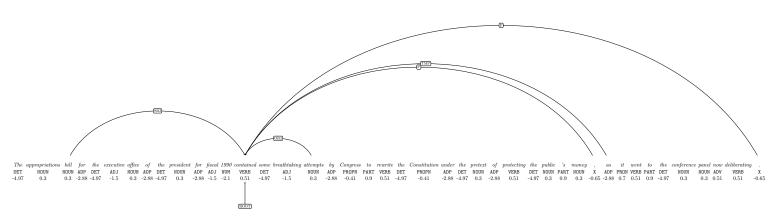


 $wsj_0112.14.0$



wsj_0112.14.1

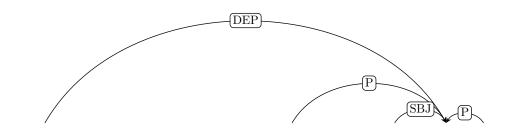
Variant Sentence spearman allwords = -0.36



$$\phi(\text{ref})$$
 - $\phi(\text{var})$: dlg = 0.0 wtembdep = -1112.52 ldep = -4.0

 $wsj_0114.30.0$

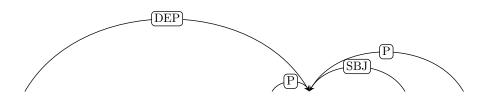
Reference Sentence spearman allwords = 0.0



Some	long- $tenured$	employees	will	receive	additional	benefits	,	the	company	said	•
DET	ADJ	NOUN	VERB	VERB	ADJ	NOUN	X	DET	NOUN	VERB	X
-4.97	-1.5	0.3	0.51	0.51	-1.5	0.3	-0.65	-4.97	0.3	0.51	-0.65

ROOT

 $wsj_0114.30.1$



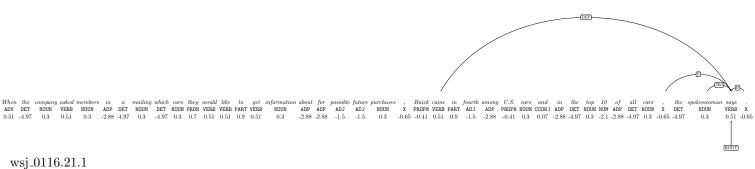
Some long-tenured employees will receive additional benefits said the companyDET NOUN VERB ADJ NOUN X VERB DET ADJ **VERB** NOUN X $-0.65 \ 0.51 \ -4.97$ -4.97-1.5 0.3 0.3 0.510.51-1.5 0.3 -0.65



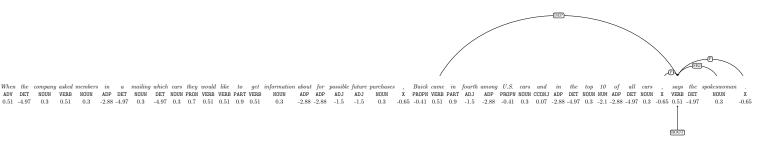
$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 47.3 ldep = -13.0

wsj_0116.21.0

Reference Sentence spearman allwords = 0.0

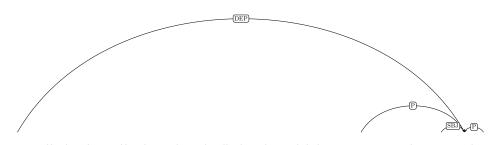


Variant Sentence spearman allwords = -1.0



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = -131.81 ldep = -2.0

 $wsj_0117.19.0$



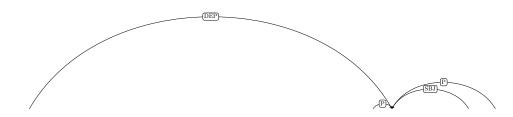
If the banks exhaust all avenues of appeal , it is possible that they would seek to have the illegality ruling work both ways , some market sources said .

ADP DET NOUN VERB DET NOUN VERB DET NOUN ADP NOUN X PRON VERB ADJ ADP PRON VERB VERB PART VERB DET NOUN NOUN VERB DET NOUN X DET NOUN NOUN VERB X -2.88 -4.97 0.3 0.5 -4.97 0.3 -2.88 0.3 -0.65 0.7 0.51 -1.5 -2.88 0.7 0.51 0.51 0.5 0.51 -4.97 0.3 0.3 0.5 -4.97 0.3 -0.65 -4.97 0.3 0.3 0.5 -4.97 0.3 0.3 0.5 -4.97 0.3 0.5 -4.

ROOT

 $wsj_0117.19.1$

Variant Sentence spearman allwords = -0.87

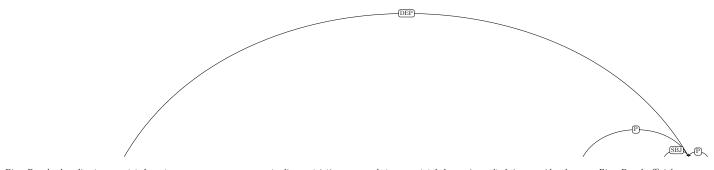




$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = -98.82 ldep = 4.0

 $wsj_0118.106.0$

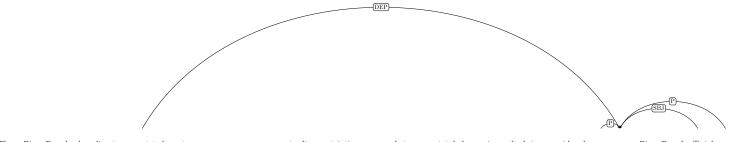
Reference Sentence spearman allwords = 0.0



The Big Board 's directors meet today to approve some program-trading restrictions a total ban is n't being considered butBig Board officials say X CCONJ DET ADJ NOUN VERB ADV VERB X PROPN PROPN NOUN VERB X DET PROPN PROPN PART NOUN VERB NOUN PART VERB DET ADJ NOUN VERB 0.3 0.51-0.65 -0.41 -0.410.51 - 0.65-4.97 -0.41 -0.41 0.9 0.3 $0.51 \quad 0.3 \quad 0.9$ 0.51 - 4.97-1.5

(ROOT)

 $wsj_0118.106.1$



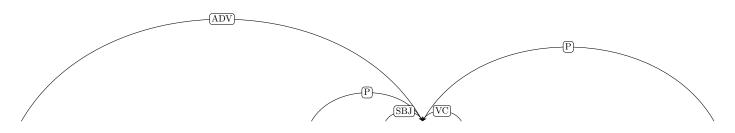
 $The \quad Big \quad Board \quad \text{'s} \quad directors \ meet \ today \quad to \quad approve \ some \ program-trading \ restrictions$ buta total ban is n't being considered say Big Board officials , say Big Board officials
X VERB PROPN PROPN NOUN DET PROPN PROPN PART NOUN VERB NOUN PART VERB DET NOUN X CCONJ DET ADJ NOUN VERB ADV VERB VERB ADJ -4.97 -0.41 -0.41 0.9 $0.51 \quad 0.3 \quad 0.9$ 0.51 -4.97-1.50.3 -0.65 0.07 -4.97 -1.5 0.3 0.51 0.51 0.51 0.51-0.65 0.51 -0.41 -0.41 0.3

ROOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -305.32 ldep = 3.0

 $wsj_0118.153.0$

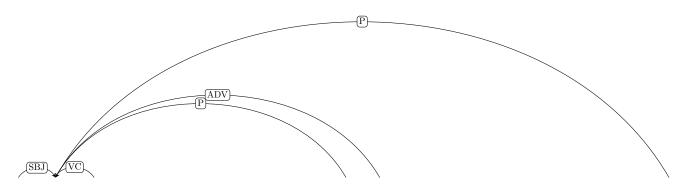
Reference Sentence spearman allwords = 0.3



 $stone\ tablets\ should\ become\quad the\quad trade\ ticket\quad of$ slowing things down could reduce volatility Ifthe future ADP **VERB** NOUN ADP VERB VERB NOUN NOUN NOUN VERB VERB DET NOUN NOUN ADP DET NOUN $-2.88 \ 0.51$ 0.3 $-0.65 \quad 0.3$ $-4.97 \quad 0.3$ 0.3 -2.88 -4.97 0.3-2.880.510.30.510.30.510.51-0.65

ROOT

 $wsj_0118.153.1$



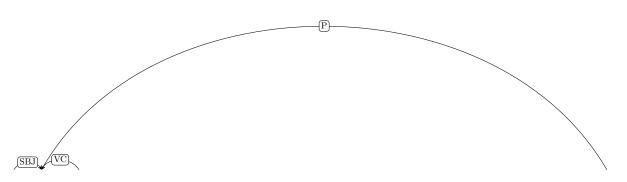
Stone tablets should become the trade ticket of the future ifslowing things down could reduce volatility **VERB** VERB DET NOUN NOUN ADP DET NOUN Х ADP **VERB** NOUN ADP VERB VERB NOUN X 0.3 0.3 0.51 $0.51 - 4.97 \ 0.3$ 0.3 - 2.88 - 4.970.3 -0.65 -2.880.51 0.3 $-2.88 \quad 0.51$ 0.510.3 -0.65

ROOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 2.0 wtembdep = -570.75 ldep = -5.0

 $wsj_0120.35.0$

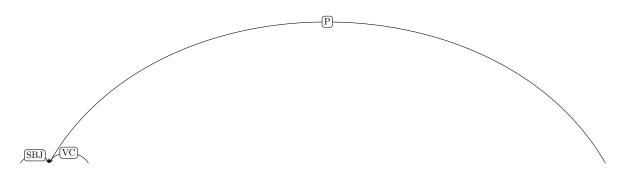
Reference Sentence spearman allwords = 0.69



The6,500 tree send continuously changing colored light to dozens of fiber-end bunches designed to isDET SYM NUM NOUN VERB **VERB** PART VERB ADV **VERB VERB** NOUN PART NOUN ADP ADJ NOUN Х $0.3 \quad 0.51$ $0.9 \quad 0.51$ -4.97 -0.41 -2.10.510.510.30.510.510.30.90.3-2.88-1.5-0.65

ROOT

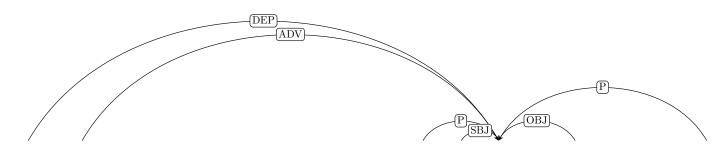
 $wsj_0120.35.1$



The6,500 tree is designed to send dozens of fiber-end bunches continuously changing colored light DET SYM NUM NOUN VERB VERB PART VERB NOUN NOUN VERB VERB NOUN ADJ \mathtt{ADV} ADP -4.97 -0.41 -2.1 $0.9 \quad 0.51$ 0.3 $0.3 \quad 0.51$ 0.510.3-2.88-1.50.510.510.510.3 - 0.65

ROOT $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 2.0 wtembdep = -75.27 ldep = -2.0

Reference Sentence spearman allwords = 0.77

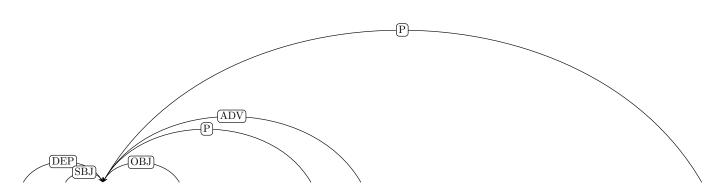


although he $thinks \ that$ hurting him $he \quad doubts$ Butitisitcould be stoppedCCONJ ADP PRON VERB ADP PRON VERB VERB PRON X PRON VERB PRON VERB VERB **VERB** X 0.07-2.88 $0.51 - 2.88 \ 0.7$ $0.7 - 0.65 \ 0.7$ 0.510.7 0.510.510.7 $0.51 \quad 0.51$ 0.51-0.65



 $wsj_0121.2.1$

Variant Sentence spearman allwords = -0.08

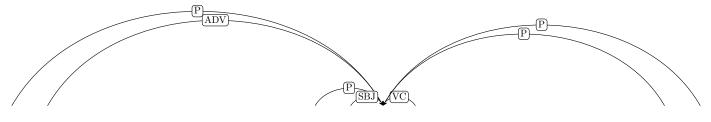


Butdoubtsitcould bestoppedalthoughhethinks that hurting him itisCCONJ PRON VERB PRON VERB VERB **VERB** X ADP PRON VERB ADP PRON VERB VERB PRON X 0.070.7 0.51 0.7 $0.51 \quad 0.51$ 0.51-0.65-2.88 $0.51 - 2.88 \ 0.7$ 0.51 0.70.510.7 - 0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 4.0 wtembdep = -741.98 ldep = -33.0

 $wsj_0121.35.0$

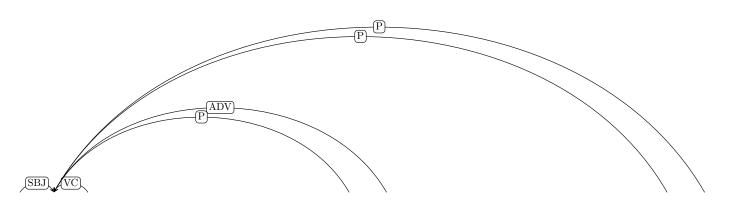


 $short\text{-}term\ investor$ you might be more leery about program trading you were aADP PRON VERB DET ADJ NOUN X PRON VERB VERB ADV ADJ ADP NOUN NOUN X X -0.65 -2.88 0.7 0.51 -4.97-1.50.3 $-0.65 \quad 0.7$ 0.51 0.51 0.51 -1.5 -2.880.3 0.3 -0.65 -0.65



 $wsj_0121.35.1$

Variant Sentence spearman allwords = 0.23

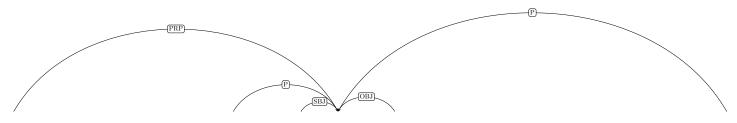


You might be more leery about program trading $short\text{-}term\ investor$ ifyou were aPRON VERB VERB ADV ADJ ADP NOUN NOUN ADJ NOUN X X Х ADP PRON VERB DET 0.51 0.51 0.51 -1.5 -2.880.3 0.3-0.65 -2.88 0.7 0.51 -4.97-1.50.3-0.65 -0.65



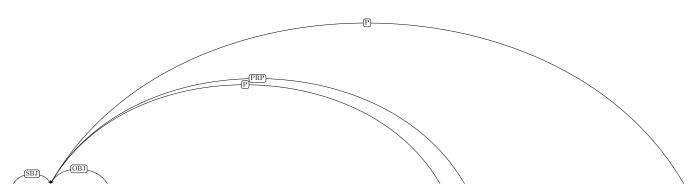
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = -804.96 ldep = 0.0

 $wsj_0126.20.0$



ROOT

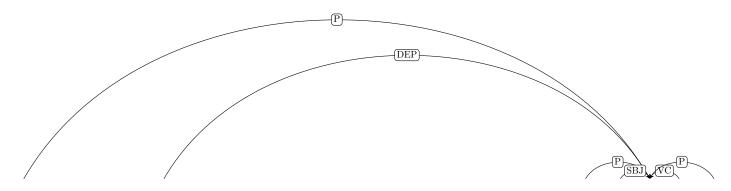
 $wsj_0126.20.1$



ROOT

 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 0.0 wtembdep = 132.0 ldep = 0.0

 $wsj_0126.27.0$

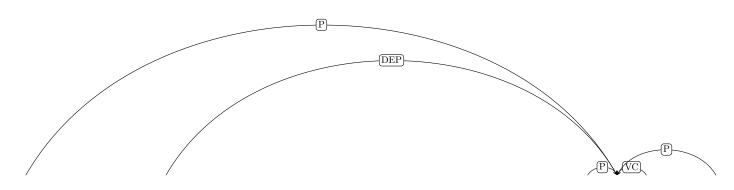


The Superdome optimismstatement of faith hehas said isanexerciseinaPROPN PRON VERB VERB X DET VERB DET NOUN ADP NOUN Х DET NOUN ADP NOUN Х X -0.65 - 4.97-0.410.51 - 4.970.3-2.880.3-0.65 -4.970.3 $-2.88 \quad 0.3 \quad -0.65 \quad 0.7 \quad 0.51 \quad 0.51 \quad -0.65$



 $wsj_0126.27.1$

Variant Sentence spearman allwords = -1.0

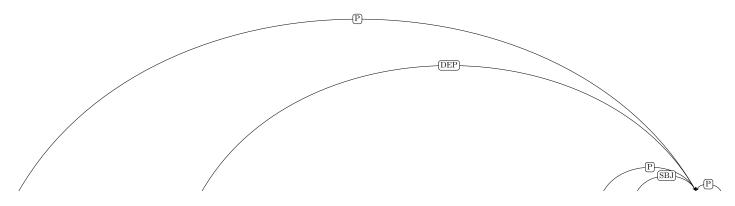


The Superdome exercise in optimismstatement of faith has said anaХ PROPN Х ADP NOUN Х VERB VERB PRON Х DET VERB DET NOUN ADP NOUN DET NOUN -0.65 -4.97-2.88 0.3 $-2.88 \quad 0.3 \quad -0.65 \quad 0.51 \quad 0.51 \quad 0.7 \quad -0.65$ -0.410.51 - 4.970.30.3 -0.65 -4.97



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 74.39 ldep = -3.0

 $wsj_0128.25.0$



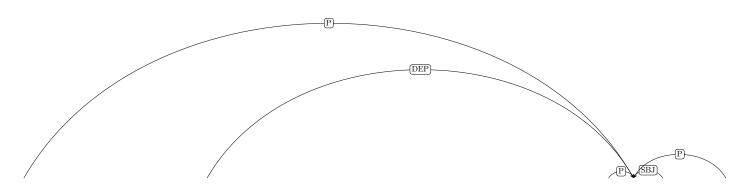
These two exposures alone represent a very substantial portion of CS First Boston 's equity MoodyХ DET NUM VERB ADJ NOUN ADP PROPN PROPN PROPN PART NOUN PROPN PART VERB NOUN ADV DET ADV -0.65 -4.97 -2.10.510.51 $-4.97 \ 0.51$ -1.50.3 -2.88 -0.41 -0.41 -0.41 0.90.3 -0.65 -0.41 0.9 0.51 -0.65 0.3

1

ROOT

 $wsj_0128.25.1$

Variant Sentence spearman allwords = -1.0

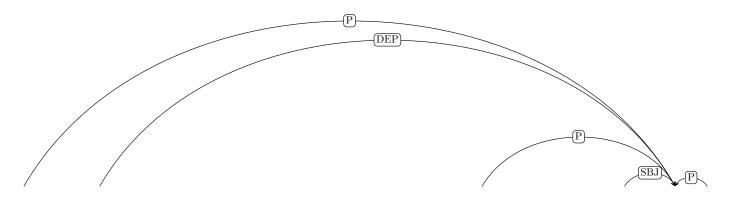


a very substantial portion of CS First Boston 's These two exposures alone represent equitysaid Moody Х Х DET NUM NOUN ADV **VERB** DET ADV ADJ NOUN ADP PROPN PROPN PROPN PART NOUN VERB PROPN PART Х -0.65 -4.97 -2.10.3 0.51 0.51 $-4.97 \ 0.51$ -1.5-2.88 -0.41 -0.41 -0.41 0.9 0.3 -0.65 0.51 -0.41 0.9 -0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = -86.51 ldep = -1.0

 $wsj_0128.42.0$

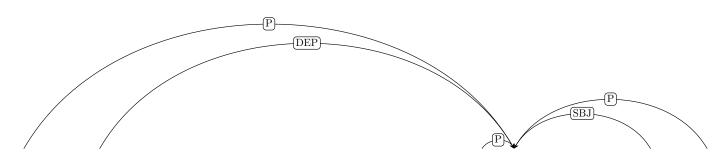


're well positioned with \$ 1.7 billion of capitalDrexel spokesman said aPRON VERB ADV **VERB** ADP SYM NUM NUM ADP NOUN Х DET PROPN NOUN **VERB** X Х $-0.65 \quad 0.7 \quad 0.51 \quad 0.51$ 0.51-2.88 -0.41 -2.1 -2.1 -2.88 0.3-0.65 -4.97 -0.410.3 0.51 - 0.65



 $wsj_0128.42.1$

Variant Sentence spearman allwords = -1.0

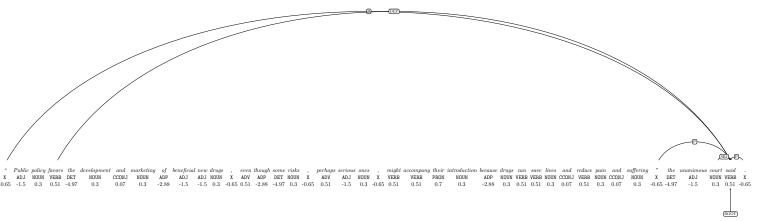


1.7 billion $\dot{r}e$ well positioned with \$ ofcapitalsaidDrexel spokesman NOUN X VERB DET PROPN X Х PRON VERB ADV **VERB** ADP SYM NUM NUM ADP NOUN $-0.65 \quad 0.7 \quad 0.51 \quad 0.51$ 0.51-2.88 -0.41 -2.1 -2.1 -2.88 0.3 $-0.65 \ 0.51 \ -4.97 \ -0.41$ 0.3 -0.65



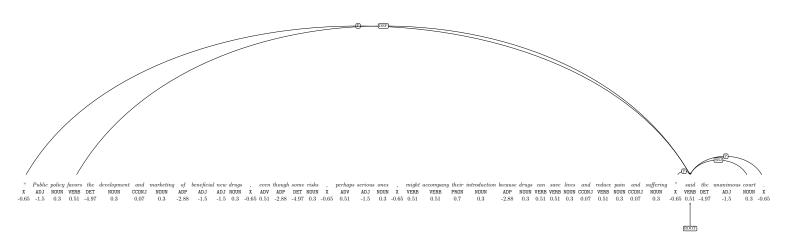
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -174.48 ldep = 12.0

 $wsj_0130.22.0$



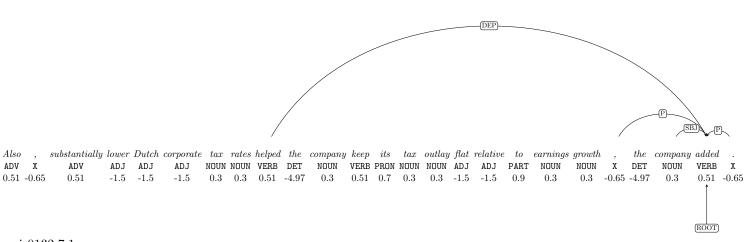
 $wsj_0130.22.3$

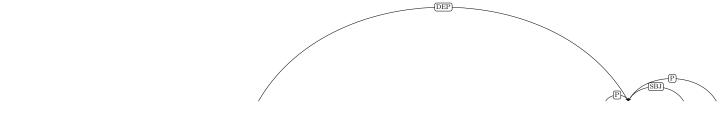
Variant Sentence spearman allwords = -1.0



$$\phi(\text{ref})$$
 - $\phi(\text{var})$: dlg = 1.0 wtembdep = -483.82 ldep = 24.0

wsj_0132.7.0





 $substantially\ lower\ Dutch\ corporate\ \ tax\ \ rates\ helped\ \ the\ \ company\ keep\ \ its\ \ \ tax\ \ outlay\ flat\ relative\ \ to\ \ earnings\ growth$ Alsoadded the NOUN ADV X \mathtt{ADV} ADJ ADJ ADJ NOUN NOUN VERB DET NOUN VERB PRON NOUN NOUN ADJ ADJ PART NOUN NOUN X VERB DET Х 0.51 - 0.650.51 0.3 0.3 0.51 -4.97 0.3 0.51 0.7 0.3 0.3 -1.5 -1.5 0.3 -0.65 0.51 -4.97 -0.65 -1.5 0.90.3

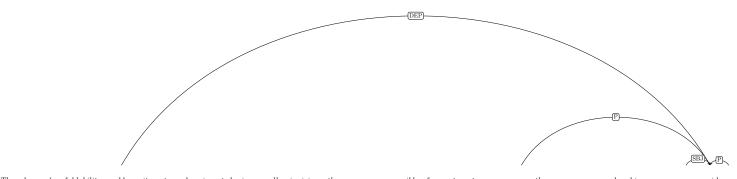
ROOT

ROOT

$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 190.61 ldep = -11.0

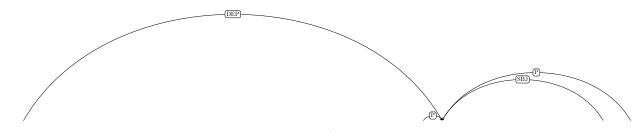
 $wsj_0133.2.0$

Reference Sentence spearman allwords = 0.0



wsj_0133.2.1

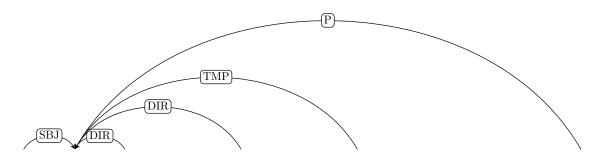
Variant Sentence spearman allwords = -0.53



ROOT

$$\phi(\text{ref})$$
 - $\phi(\text{var})$: dlg = 1.0 $\,$ wtembdep = 64.18 $\,$ ldep = -10.0 $\,$

 $wsj_0141.21.0$

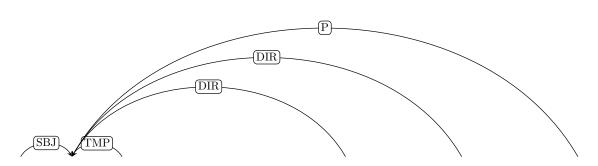


Home purchase plans increased 3.3 %from 3.1 %tointhe two recent months NOUN NOUN NOUN **VERB** PART NUM NOUN ADP NUM NOUN ADP DET NUM ADJ NOUN X 0.3 0.3 0.9 -2.1 0.3 -2.88 -2.1 0.3 -2.88 -4.97 -2.1 -1.5 0.30.51 0.3 -0.65



 $wsj_0141.21.2$

Variant Sentence spearman allwords = -0.67

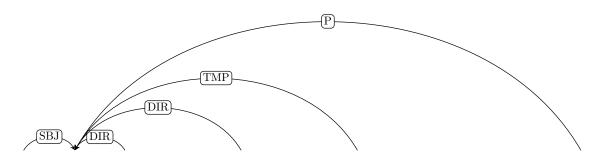


Home purchase plans increased inthe two recent months from 3.1 %to3.3 % ADP NUM NOUN PART NUM NOUN NOUN NOUN NOUN **VERB** ADP DET NUM ADJ NOUN Х 0.30.3 0.30.51 -2.88 - 4.97 - 2.1 - 1.50.3 $-2.88 - 2.1 \quad 0.3$ 0.9 -2.1 0.3 -0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 0.0 wtembdep = 151.51 ldep = 13.0

wsj_0141.21.0

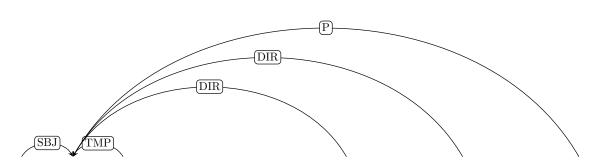


Home purchase plans increased 3.3 %from 3.1 %tointhe two recent months NOUN NOUN NOUN **VERB** PART NUM NOUN ADP NUM NOUN ADP DET NUM ADJ NOUN X 0.3 0.3 0.3 0.9 -2.1 0.3 -2.88 -2.1 0.3 -2.88 -4.97 -2.1 -1.5 0.51 0.3 -0.65



 $wsj_0141.21.4$

Variant Sentence spearman allwords = -0.5

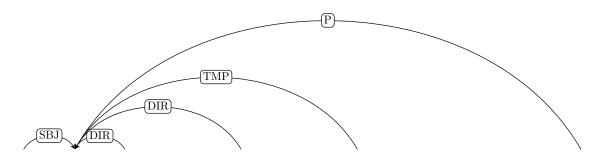


Home purchase plans increased inthe two recent months to3.3 %from 3.1 NOUN NOUN NOUN **VERB** ADP DET NUM ADJ NOUN PART NUM NOUN ADP NUM NOUN 0.30.3 0.30.51 -2.88 - 4.97 - 2.1 - 1.50.3 0.9 -2.1 0.3 -2.88 -2.1 0.3 -0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 0.0 wtembdep = 308.72 ldep = 45.0

wsj_0141.21.0

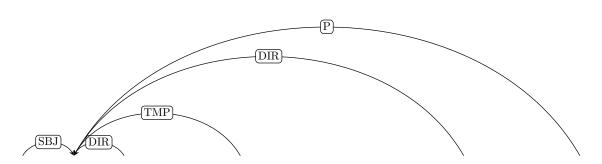


Home purchase plans increased 3.3 %from 3.1 %tointhe two recent months NOUN NOUN NOUN **VERB** PART NUM NOUN ADP NUM NOUN ADP DET NUM ADJ NOUN X 0.3 0.3 0.9 -2.1 0.3 -2.88 -2.1 0.3 -2.88 -4.97 -2.1 -1.5 0.30.51 0.3 -0.65



 $wsj_0141.21.5$

Variant Sentence spearman allwords = -0.88

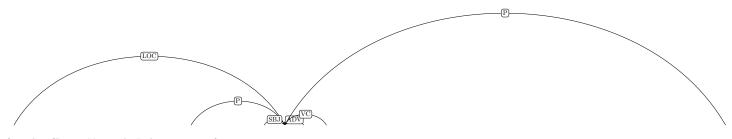


Home purchase plans increased from 3.1 %inthe two recent months 3.3 NOUN NOUN NOUN **VERB** ADP NUM NOUN ADP DET NUM ADJ NOUN PART NUM NOUN Х 0.30.3 0.30.51-2.88 -2.1 0.3 -2.88 -4.97 -2.1 -1.5 0.3 0.9 -2.1 0.3 -0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = -0.0 wtembdep = 455.62 ldep = 42.0

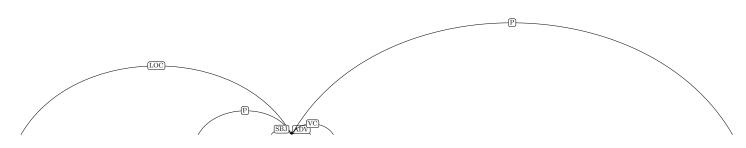
 $wsj_0148.5.0$



ROOT

 $wsj_0148.5.1$

Variant Sentence spearman allwords = 0.26

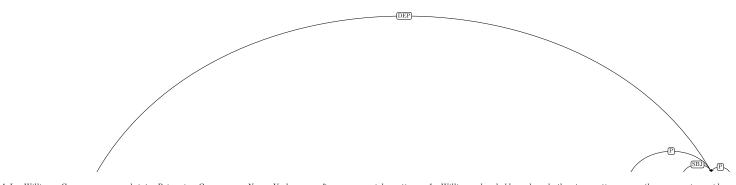


OOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 151.12 ldep = 0.0

 $wsj_0150.1.0$

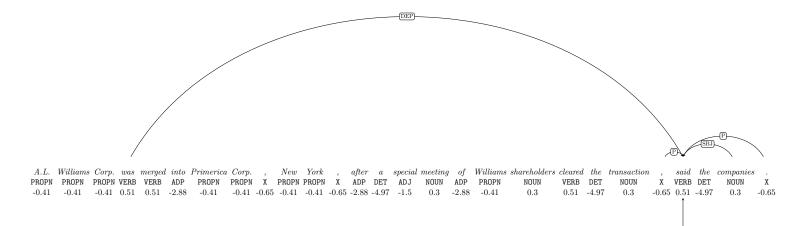
Reference Sentence spearman allwords = 0.0



after a special meeting of Williams shareholders cleared the transaction $A.L.\ Williams\ Corp.\ was\ merged\ into\ Primerica\ Corp.$ New York $the \ \ companies \ \ said$ PROPN PROPN X PROPN PROPN X ADP DET ADJ PROPN PROPN PROPN VERB VERB ADP NOUN ADP PROPN NOUN VERB DET NOUN DET NOUN VERB X -0.41 -0.65 -0.41 -0.41 -0.65 -2.88 -4.97 -1.5 -0.65 -4.97 -0.41-0.41-0.41 0.51 0.51 -2.88 -0.410.3 -2.88-0.410.3 0.51 - 4.970.30.30.51 - 0.65

ROOT

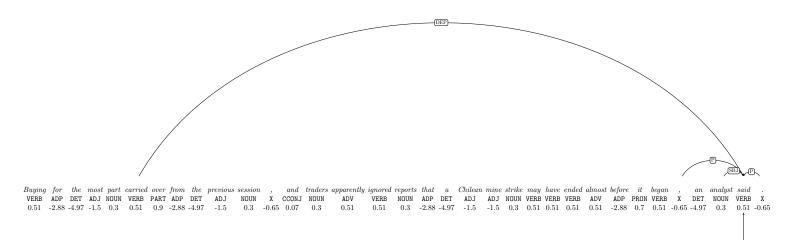
 $wsj_0150.1.2$



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = -78.66 ldep = 77.0

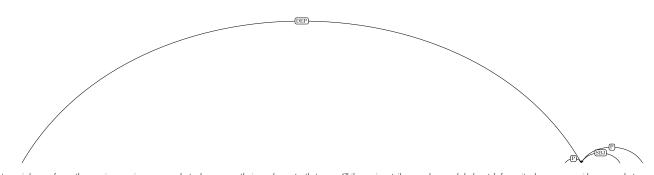
 $wsj_0155.50.0$

Reference Sentence spearman allwords = 0.0



 $wsj_0155.50.2$

Variant Sentence spearman allwords = -1.0



Buying for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the previous session for the most part carried over from the most pa

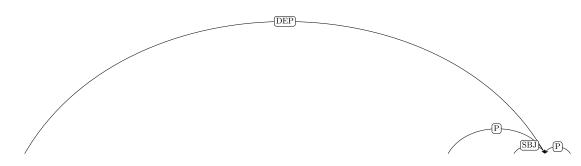
ROOT

ROOT

ROOT

 $wsj_0155.52.0$

Reference Sentence spearman allwords = 0.0

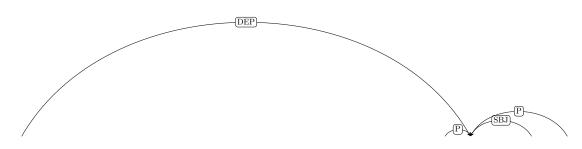


some workers have n't yet accepted the new contract and Howeverare continuing negotiations $the \ \ analyst \ said$ CCONJ VERB ADV DET NOUN VERB ADV ADV VERB DET ADJ NOUN VERB NOUN DET NOUN VERB Х X 0.51-0.65 -4.97 $0.51\ \ 0.51\ \ 0.51$ -4.97 -1.5 $0.07 \quad 0.51$ 0.3-0.65 -4.970.30.51 - 0.650.30.510.3 0.51

(ROOT)

 $wsj_0155.52.1$

Variant Sentence spearman allwords = -1.0

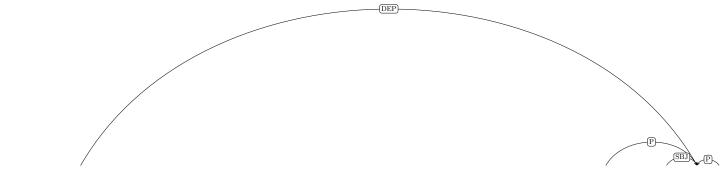


some workers have n't yet accepted the new contract and are continuing negotiations Howeversaid the analyst ADV NOUN VERB ADV ADV VERB DET ADJ NOUN CCONJ VERB **VERB** NOUN X VERB DET NOUN Х 0.51-0.65 -4.970.3 $0.51 \ 0.51 \ 0.51$ 0.51-4.97 -1.50.3 $0.07 \quad 0.51$ 0.51 0.3 $-0.65 \ 0.51 \ -4.97$ 0.3-0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 65.38 ldep = -14.0

 $wsj_0158.4.0$

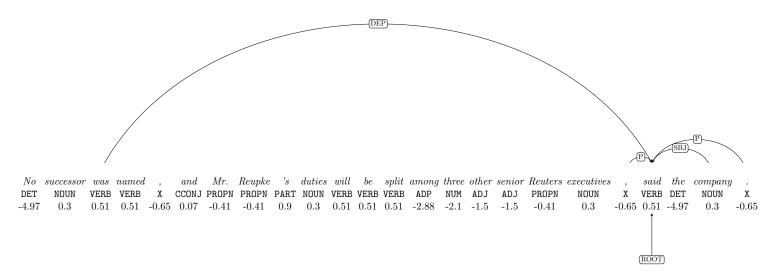


Mr. Reupke 's duties will be split among three other senior Reuters executives No successor was named andthe company said VERB VERB X CCONJ PROPN PROPN PART NOUN VERB VERB VERB ADP NUM ADJ ADJ PROPN NOUN X DET NOUN VERB X DET -4.97 $0.51 \quad 0.51 \quad \text{-}0.65 \quad 0.07 \quad \text{-}0.41 \quad \text{-}0.41 \quad 0.9$ $0.3 \quad 0.51 \quad 0.51 \quad 0.51 \quad -2.88 \quad -2.1 \quad -1.5$ 0.3 -0.65 -4.970.3 0.51 - 0.650.3-0.41

(ROOT)

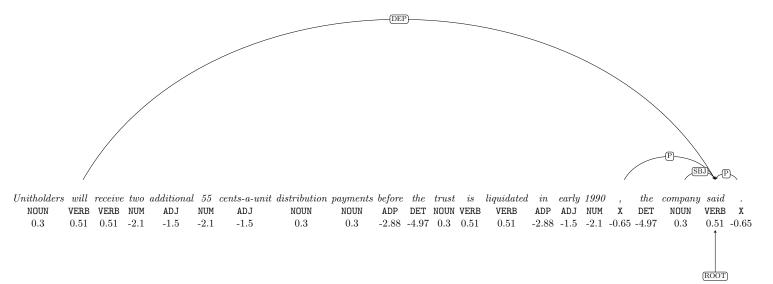
 $wsj_0158.4.1$

Variant Sentence spearman allwords = -1.0



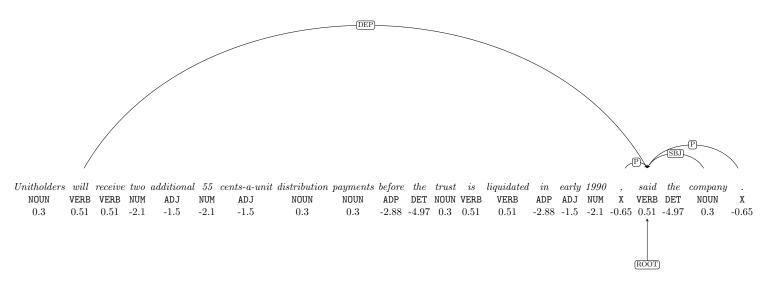
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 55.28 ldep = -7.0

 $wsj_0163.5.0$



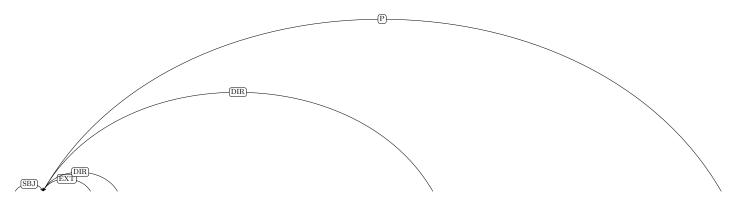
 $wsj_0163.5.2$

Variant Sentence spearman allwords = -1.0



 $\phi(\mathrm{ref})$ - $\phi(\mathrm{var})$: dlg = 1.0 $\,$ wtembdep = 12.55 $\,$ ldep = 2.0 $\,$

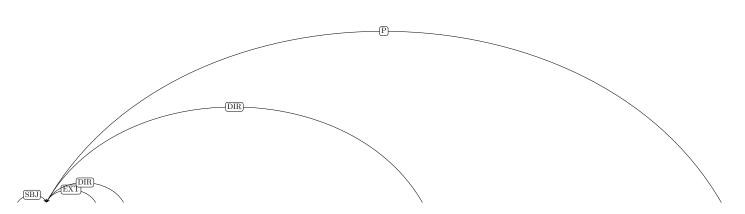
 $wsj_0164.3.0$



ROOT

 $wsj_0164.3.1$

Variant Sentence spearman allwords = -0.18

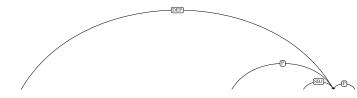


ROOT

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 468.84 ldep = -21.0

 $wsj_0165.3.0$

Reference Sentence spearman allwords = 0.0



ROOT

Depending upon how many warrants and options are exercised prior to completion of the transaction , Heritage would issue between 1.8 million and 2.35 million preferred shares , a Heritage spokesman estimated .

VERB ADP ADV ADJ NOUN CCONJ NOUN VERB VERB ADV PART NOUN ADP DET NOUN X PROPN VERB VERB ADP NUM NUM CCONJ NUM NUM VERB NOUN X DET PROPN NOUN VERB X 0.51 -2.88 0.51 -1.5 0.3 0.07 0.3 0.51 0.51 0.51 0.51 0.51 0.5 0.9 0.3 -2.88 -4.97 0.3 -0.65 -0.41 0.51 0.51 0.51 0.51 0.51 -2.88 -2.1 -2.1 0.07 -2.1 -2.1 0.51 0.3 -0.65 -4.97 -0.41 0.3 0.51 -0.66

Variant Sentence spearman allwords = -1.0



ROOT

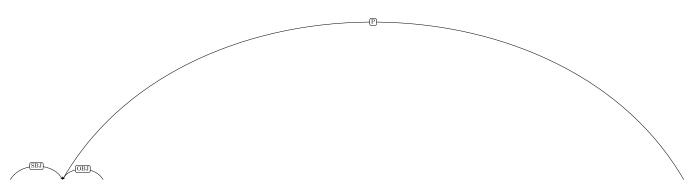
Depending upon how many warrants and options are exercised prior to completion of the transaction , Heritage would issue between 1.8 million and 2.35 million preferred shares , estimated a Heritage spokesman .

VERB ADP ADV ADJ NOUN CCONJ NOUN VERB VERB ADV PART NOUN ADP DET NOUN X PROPN VERB VERB ADP NUM NUM CCONJ NUM NUM VERB NOUN X VERB DET PROPN NOUN X 0.51 -2.88 0.51 -1.5 0.3 0.07 0.3 0.51 0.51 0.51 0.51 0.51 0.51 0.3 -0.65 -0.41 0.51 0.51 0.51 0.51 0.51 -2.88 -2.1 -2.1 0.07 -2.1 -2.1 0.51 0.3 -0.65 0.51 -4.97 -0.41 0.3 -0.65

 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 340.2 ldep = 1.0

 $wsj_0168.1.0$

Reference Sentence spearman allwords = 0.44

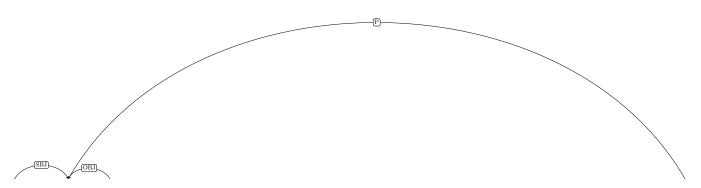


 $\frac{\text{Meridian National Corp. said}}{\text{PROPN}} \quad \frac{\text{Note Normal National Corp. said}}{\text{PROPN}} \quad \frac{\text{Note Normal National Normal Nor$

ROOT

 $wsj_0168.1.1$

Variant Sentence spearman allwords = 0.35

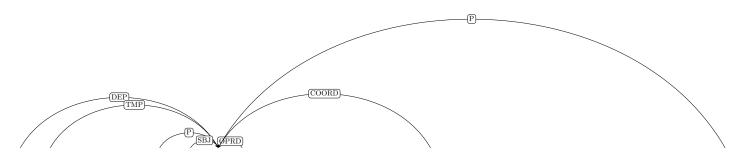


Meridian National Corp. said it sold the McAlpine family interests 750,000 shares of its common stock , $1 \quad million$ forPROPN PROPN PROPN VERB PRON VERB DET PROPN NOUN NOUN NUM NOUN ADP PRON ADJ NOUN X ADP SYM NUM NUM X CCONJ SYM NUM DET NOUN X -0.41 -0.41 0.51 0.7 0.51 -4.970.3 -2.88 0.7-0.41-0.410.30.3-2.1-1.5

ROOT

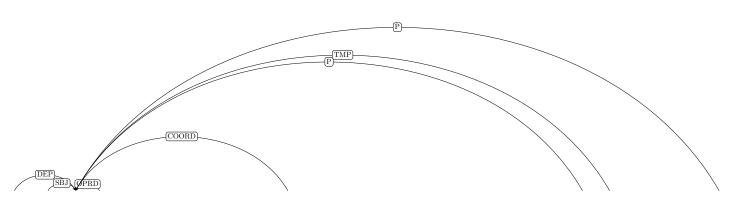
$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = -0.0 wtembdep = -166.44 ldep = 1.0

Reference Sentence spearman allwords = 0.45



ROOT

wsj_0173.7.1

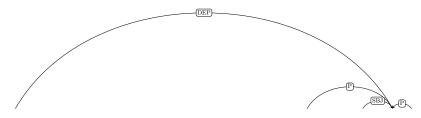


 $But \quad Coleco \ failed \quad to \quad come \quad up \quad with \ another \ winner \quad and \quad filed \quad for \quad bankruptcy-law \ protection \quad in$ July 1988 the craze died asCCONJ PROPN VERB PART VERB PART ADP NOUN CCONJ VERB ADP ADP PROPN NUM X ADP DET NOUN VERB DET ADJ NOUN $0.07 \quad \hbox{-}0.41 \quad 0.51 \quad 0.9 \quad 0.51 \quad 0.9 \quad \hbox{-}2.88$ -4.970.3 $0.07 \quad 0.51 \ -2.88$ -1.50.3 $\hbox{-}2.88 \hbox{ -}0.41 \hbox{ -}2.1 \hbox{ -}0.65 \hbox{ -}2.88 \hbox{ -}4.97 \hbox{ 0.3} \hbox{ 0.51} \hbox{ -}0.65$



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = -148.67 ldep = -4.0

wsj_0175.2.0

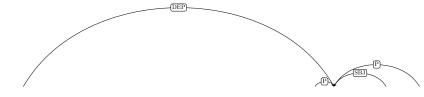


Sony Columbia Acquisition Corp. $formed \ for \ the \ Columbia \ deal$ will formally take ownership of the movie studio later this month $spokesman \ said$ VERB ADP DET PROPN NOUN X VERB ADV VERB NOUN PROPN PROPN PROPN PROPN X ADP DET NOUN NOUN ADJ DET NOUN X DET NOUN VERB X -0.41-0.41-0.41 $\hbox{-}0.41 \ \hbox{-}0.65 \ 0.51 \ \hbox{-}2.88 \ \hbox{-}4.97$ -0.410.3 -0.65 0.51 0.51 0.510.3 -2.88 -4.97 0.3 0.3 -1.5 -4.97 0.3 -0.65 -4.97 0.3 0.51 - 0.65

(ROOT)

 $wsj_0175.2.2$

Variant Sentence spearman allwords = -1.0



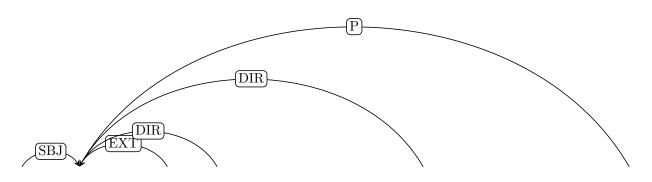
Sony Columbia Acquisition Corp. , formed for the Columbia deal , will formally take ownership of the movie studio later this month , said a spokesman . PROPN PROPN PROPN PROPN PROPN VERB ADP DET PROPN NOUN X VERB ADV VERB NOUN ADP DET NOUN NOUN ADJ DET NOUN X VERB DET



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 163.86 ldep = 19.0

 $wsj_0177.4.0$

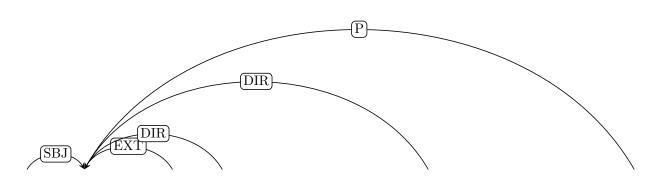
Reference Sentence spearman allwords = 0.32



%7.63 billion yen from 5.82 billion yen Net income surged 31 toADJ NOUN VERB NUM NOUN PART NUM NUM NOUN ADP NUM NUM NOUN X $-2.1 \quad 0.3$ -2.1 -2.1 0.3 - 2.88 - 2.1-1.50.30.510.9-2.10.3 - 0.65



Variant Sentence spearman allwords = -0.56



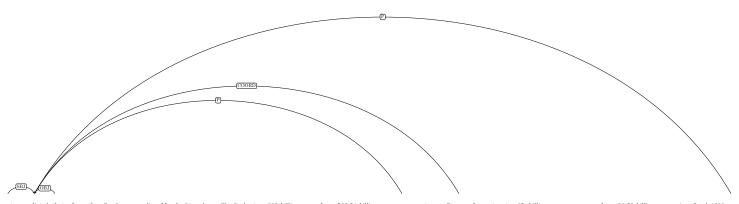
Net income surged 31 %from 5.82 billion yen to 7.63 billion yen VERB NUM NOUN ADP NUM NUM NOUN PART NUM NOUN ADJ NOUN NUM X -1.5 0.51 -2.1 0.3 -2.88 -2.1 -2.1 0.9 - 2.1-2.1 0.3 - 0.650.30.3



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 200.26 ldep = 7.0

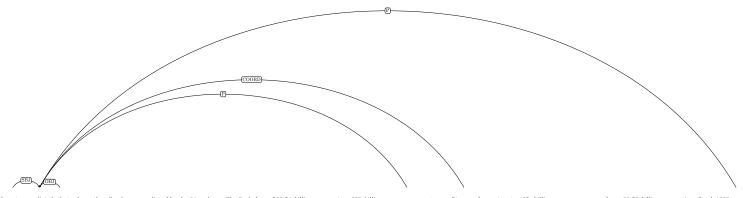
 $wsj_0177.9.0$

Reference Sentence spearman allwords = -0.03



wsj_0177.9.1

Variant Sentence spearman allwords = -0.06



Komatsu predicted that for the fiscal year ending March 31 sales will climb from 566.54 billion yen to 600 billion yen; pretax profit was forecast at 35 billion yen, up from 28.53 billion yen in fiscal 1989.

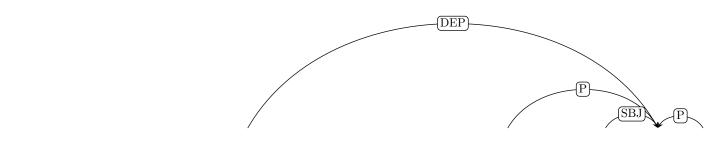
PROPN VERB ADP ADP DET ADJ NOUN VERB PROPN NUM NOUN VERB VERB ADP NUM NOUN NOUN NOUN VERB VERB ADP NUM NUM NOUN X ADV ADP NUM NOUN ADP ADJ NUM X -0.41 0.51 -2.88 -2.88 -4.97 -1.5 0.3 0.51 -0.41 -2.1 0.3 0.51 0.51 -2.88 -2.1 -2.1 0.3 0.50 0.51 -2.88 -2.1 -2.1 0.3 -0.65 0.51 -2.88 -2.1 -2.1 0.3 -0.65 0.51 -2.88 -2.1 -2.1 0.3 -2.88 -2.1 -2.1 -2.1 0.3 -2.88

$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 0.0 wtembdep = -114.91 ldep = -5.0

wsj_0178.1.0

ROOT

Reference Sentence spearman allwords = 0.0

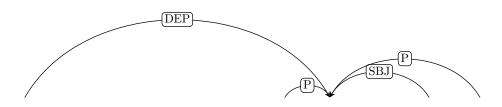


latest reports suggest ECONOMIC GROWTH APPEARS tobeleveling off ADJ NOUN **VERB VERB** X PART VERB ADP X ADJ NOUN **VERB** 0.51-2.88 - 0.65 - 1.5-0.65-1.50.3 0.510.90.510.30.51

ROOT

 $wsj_0178.1.1$

Variant Sentence spearman allwords = -1.0



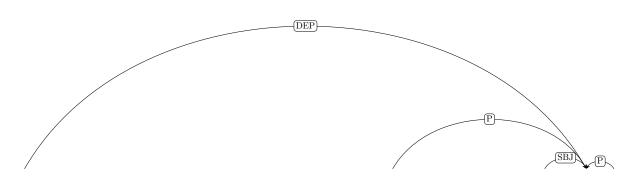
ECONOMIC GROWTH APPEARS leveling off $suggest\ latest\ reports$ tobeNOUN ADJ **VERB** PART VERB **VERB** ADP X **VERB** NOUN X ADJ -1.5-2.88 - 0.65-1.50.30.510.90.510.510.510.3 -0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 1.0 wtembdep = 69.84 ldep = 1.0

 $wsj_0179.29.0$

Reference Sentence spearman allwords = 0.0

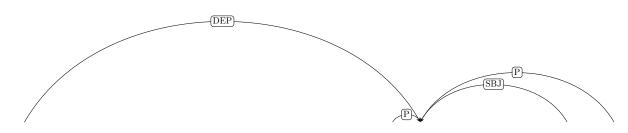


The thrift surely could be sold for more than the value of its equity financial industry executives say DET NOUN ADV VERB VERB VERB ADP ADJ ADP DET NOUN ADP PRON NOUN NOUN VERB Х ADJ NOUN Х 0.51 0.51 0.51 0.51 -2.88 -1.5 -2.88 -4.97 0.3 -2.88 0.7 0.3 - 0.65-1.50.3 0.3 0.51 - 0.65

ROOT

 $wsj_0179.29.1$

Variant Sentence spearman allwords = -0.87

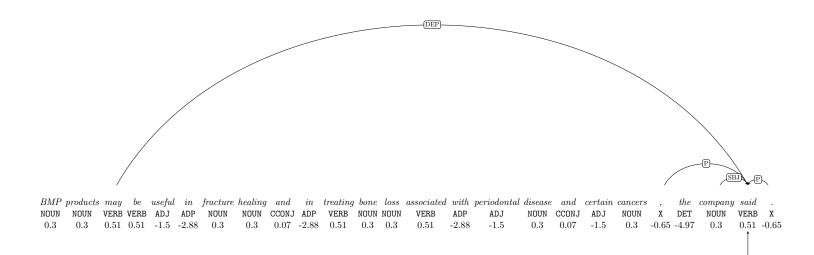


The thrift surely could be sold for more than the value of its equity say financial industry executives DET NOUN ADV VERB VERB VERB ADP ADJ ADP DET NOUN ADP PRON NOUN Х VERB ADJ NOUN NOUN Х -4.97 0.3 $0.51 \quad 0.51 \quad 0.51 \quad 0.51 \quad -2.88 \quad -1.5 \quad -2.88 \quad -4.97 \quad 0.3 \quad -2.88 \quad 0.7$ 0.3 $-0.65 \ 0.51$ -1.50.3 0.3-0.65



 $wsj_0180.8.0$

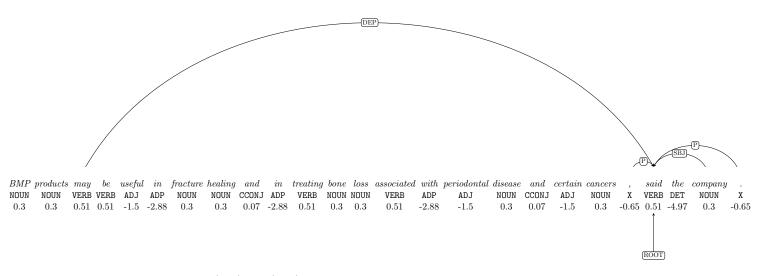
Reference Sentence spearman allwords = 0.0



 $wsj_0180.8.1$

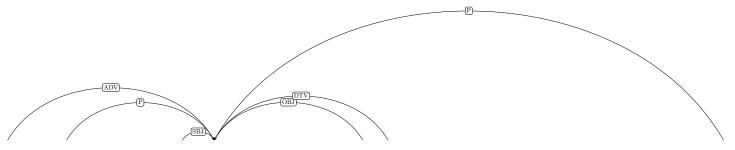
Variant Sentence spearman allwords = -1.0

ROOT



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 43.94 ldep = -0.0

 $wsj_0181.9.0$

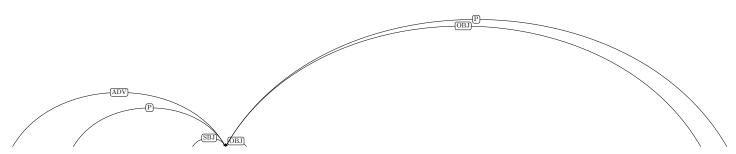


well qualified " regarded as one of the best available for the vacancy $rating \quad to \quad those$ Incontrastthe lawyers association gives a NOUN NOUN PART VERB DET X ADV X NOUN PART DET X VERB ADP NUM ADP DET ADJ ADJ ADP DET ADP DET NOUN VERB NOUN -2.880.3-0.65 -4.970.3 0.9 $0.51 \ \ \text{-}4.97 \ \ \text{-}0.65 \ \ 0.51 \qquad 0.51$ -2.88 -4.97

ROOT

 $wsj_0181.9.1$

Variant Sentence spearman allwords = -0.36



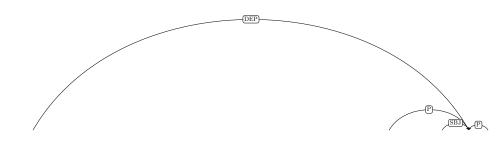
 $well\ qualified$ association gives those regarded as one of the best available for the vacancy Incontrastthe lawyers ratingNOUN DET NOUN PART NOUN VERB DET X VERB ADP NUM ADP DET ADJ ADJ ADP DET NOUN DET VERB X NOUN ADP X X ADV -2.88 -0.65 -4.970.3 $0.51 \ -4.97 \ -0.65$ 0.51 -2.88 -2.1 -2.88 -4.97 -1.5 -1.5-2.88 -4.97 0.3 -4.97 -0.65 0.510.51-0.65 0.3 -0.65



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 349.26 ldep = -7.0

 $wsj_0182.4.0$

Reference Sentence spearman allwords = 0.0



specialized boilers and pipes provides a good fit with its own Lurgi G.m.b product mix of H. plant engineering unit $the \ company \ said$ NOUN CCONJ NOUN VERB DET ADJ NOUN ADP PRON ADJ PROPN PROPN X NOUN NOUN PROPN PART NOUN NOUN ADP VERB VERB NOUN X DET NOUN VERB X -0.41 0.9 0.3 0.3 - 2.880.07 - 0.30.51-4.97 -1.5 0.3 -2.88 0.7 -1.5 -0.41 -0.41 -0.65 0.3 0.3 0.51 0.3 -0.65 -4.97 0.51 -0.65

ROOT



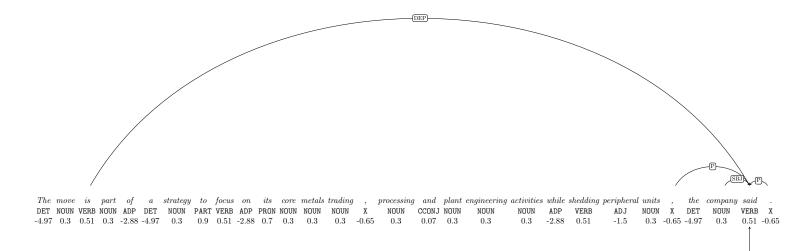
Lentjes ' product mix of specialized boilers and pipes provides a good fit with its own Lurgi G.m.b . H. plant engineering unit , said the company . PROPN PART NOUN NOUN ADP VERB NOUN CCON NOUN VERB DET ADJ NOUN ADP PRON ADJ PROPN PROPN X NOUN NOUN VERB NOUN X VERB DET NOUN X -0.41 0.9 0.3 0.3 0.3 0.51 0.51 0.3 0.65 0.51 -4.97 0.3 0.65

ROOT

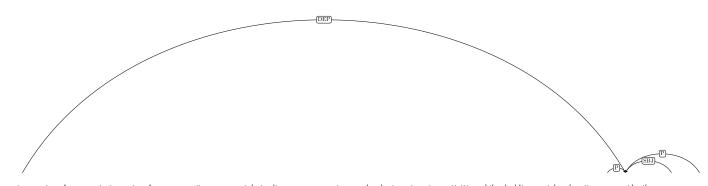
$$\phi(\text{ref})$$
 - $\phi(\text{var})$: dlg = 1.0 wtembdep = 98.19 ldep = -5.0

 $wsj_0182.5.0$

Reference Sentence spearman allwords = 0.0



 $wsj_0182.5.2$



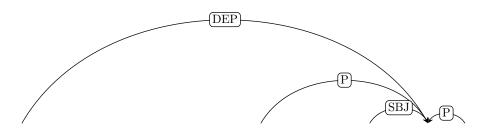
strategy to focus on $its \quad core \quad metals \ trading \quad , \quad processing \quad and \quad plant \ engineering \ activities \ while \ shedding \ peripheral \ units$ DET NOUN VERB NOUN ADP DET NOUN PART VERB ADP PRON NOUN NOUN NOUN X NOUN CCONJ NOUN NOUN NOUN ADP VERB ADJ NOUN X VERB DET NOUN 0.3 -0.65 0.51 -4.97 $-4.97 \quad 0.3 \quad 0.51 \quad 0.3 \quad -2.88 \quad -4.97 \quad 0.3 \quad \quad 0.9 \quad 0.51 \quad -2.88 \quad 0.7 \quad \quad 0.3 \quad \quad 0.3$ 0.3 -0.65 0.3 0.07 0.3 0.3 0.3 -2.88 0.51 -1.50.3

ROOT

ROOT

 $wsj_0184.16.0$

Reference Sentence spearman allwords = 0.0

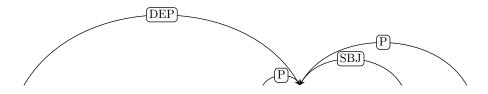


Earlier staff-reduction moves have trimmed about 300 jobs the spokesman said ADJ NOUN NOUN VERB ADP NUM NOUN NOUN **VERB** X **VERB** X DET 0.3 0.3 -1.50.510.51 $-2.88 -2.1 \quad 0.3 \quad -0.65 \quad -4.97$ 0.30.51 - 0.65



 $wsj_0184.16.1$

Variant Sentence spearman allwords = -1.0

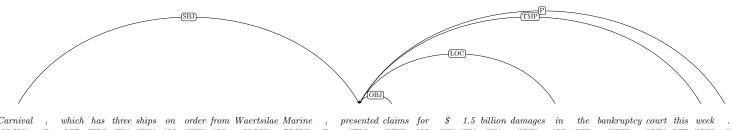


Earlier staff-reduction moves have trimmed about 300 jobs saidthe spokesman ADJ NOUN NOUN VERB **VERB** ADP NUM NOUN X VERB DET X NOUN -1.50.3 0.30.510.51 $-2.88 -2.1 \quad 0.3 \quad -0.65 \quad 0.51 \quad -4.97$ 0.3-0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = -79.88 ldep = -4.0

 $wsj_0187.11.0$

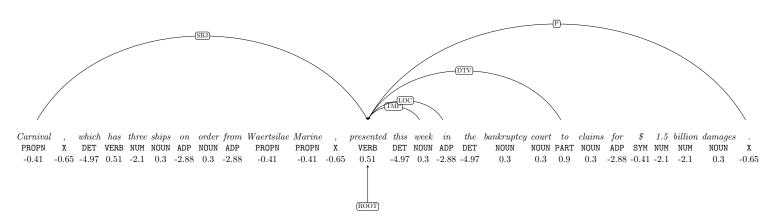


DET VERB NUM NOUN ADP NOUN ADP PROPN PROPN VERB NOUN ADP SYM NUM NUM NOUN ADP DET NOUN NOUN DET NOUN Х 0.3 -4.97 0.3 -0.65-0.41 -0.65 -4.97 0.51 -2.1 0.3 -2.88 0.3 -2.88-0.41 -0.65 -0.41 0.510.3 -2.88 -0.41 -2.1 -2.10.3-2.88 -4.97 0.3

ROOT

wsj_0187.11.1

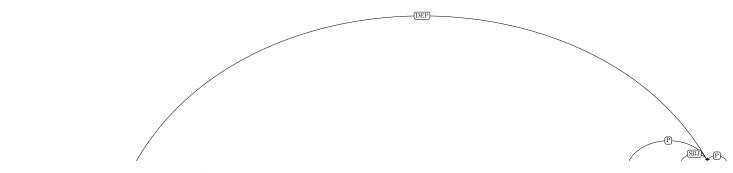
Variant Sentence spearman allwords = -0.35



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 465.1 ldep = -0.0

 $wsj_0188.2.0$

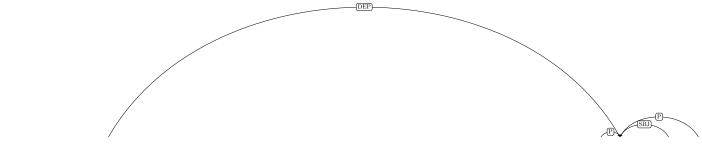
Reference Sentence spearman allwords = 0.0



the company hopes to repay \$ 45 million in debt through the sales $which \ \ will \ \ completely \ discharge \quad its \quad secured \ \ debt$ X DET NOUN VERB PART VERB SYM NUM NUM ADP NOUN ADP DET NOUN X ADP DET DET VERB ADV VERB PRON VERB NOUN X DET NOUN VERB X -2.88 -4.97 -0.65 -4.97 0.3 $0.51 \quad 0.9 \quad 0.51 \quad -0.41 \quad -2.1 \quad -2.1 \quad -2.88 \quad 0.3 \quad -2.88 \quad -4.97 \quad 0.3 \quad -0.65 \quad -4.97 \quad 0.51$ 0.51 0.510.70.510.3 -0.65 -4.97 0.30.51 - 0.65

ROOT

 $wsj_0188.2.1$



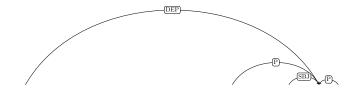
the company hopes to repay \$ 45 million in debt through the sales $which \ \ will \ \ completely \ discharge \quad its \quad secured \ \ debt$ Inallsaid the company NOUN VERB PART VERB SYM NUM NUM ADP NOUN ADP DET NOUN X VERB PRON VERB NOUN X ADP DET X DET DET VERB ADV VERB DET NOUN -2.88 -4.97 -0.65 -4.97 $0.51 \quad 0.9 \quad 0.51 \quad -0.41 \quad -2.1 \quad -2.1 \quad -2.88 \quad 0.3 \quad -2.88 \quad -4.97 \quad 0.3 \quad -0.65 \quad -4.97 \quad 0.51$ 0.3 0.510.51 0.7 0.510.3 -0.65 0.51 -4.97 -0.65



$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 46.84 ldep = 1.0

 $wsj_0189.8.0$

Reference Sentence spearman allwords = 0.0

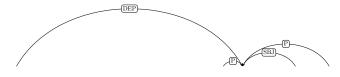


The battery plant $which \ makes \ rechargeable \ nickel \ cadmium \quad and \quad carbon \ zinc \ products$ will be closed over the next year $spokesman\ said$ soaX VERB VERB VERB ADP DET ADJ NOUN CCONJ ADV DET NOUN NOUN X DET VERB NOUN NOUN CCONJ NOUN NOUN NOUN X DET NOUN VERB X AD.J 0.3 -0.65 -4.97 0.51 0.3 $-0.65 \ 0.51 \ 0.51 \ 0.51 \ -2.88 \ -4.97 \ -1.5 \ 0.3 \ 0.07 \ 0.51 \ -0.65 \ -4.97$ 0.51 - 0.65-4.970.3 -1.50.3 0.3 0.07 0.3 0.3

ROOT

 $wsj_0189.8.1$

Variant Sentence spearman allwords = -1.0

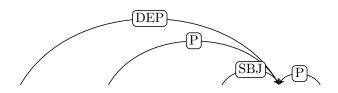


 $which \ makes \ rechargeable \ nickel \ cadmium \quad and \quad carbon \ zinc \ products$ will be closed over the next year DET NOUN NOUN X NOUN NOUN CCONJ NOUN NOUN NOUN X VERB VERB VERB ADP DET ADJ NOUN CCONJ ADV X VERB DET $0.3 \quad \text{-0.65} \quad 0.51 \quad 0.51 \quad 0.51 \quad -2.88 \quad \text{-4.97} \quad \text{-1.5} \quad 0.3 \quad 0.07 \quad 0.51 \quad \text{-0.65} \quad 0.51 \quad \text{-4.97}$ -4.97 0.3 0.3 -0.65 -4.97 0.51 -1.50.30.30.070.3 - 0.30.3 -0.65

ROOT

$$\phi(\text{ref}) - \phi(\text{var})$$
: dlg = 1.0 wtembdep = 254.89 ldep = 2.0

 $wsj_0189.10.0$



food volume was flat Fortheyearpetthe company said NOUN NOUN NOUN VERB ADJ ADP DET NOUN Х NOUN **VERB** Х X DET $-2.88 - 4.97 \quad 0.3 \quad -0.65 \quad 0.3$ 0.3 0.30.51 - 1.5 - 0.65 - 4.970.30.51 - 0.65



ROOT

 $wsj_0189.10.1$

Variant Sentence spearman allwords = -1.0



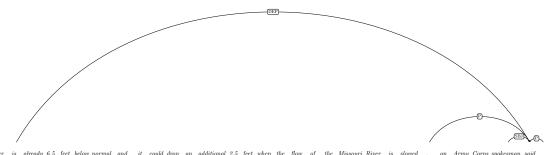
petfood volume was flat Fortheyearsaidthe company ADP DET NOUN X NOUN NOUN NOUN VERB ADJ X **VERB** DET NOUN X $-2.88 - 4.97 \quad 0.3 \quad -0.65 \quad 0.3$ 0.30.3 $0.51 - 1.5 - 0.65 \ 0.51 - 4.97$ 0.3-0.65

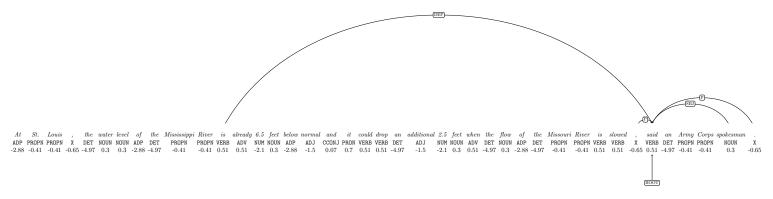


 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = -5.81 ldep = -4.0

 $wsj_0192.16.0$

Reference Sentence spearman allwords = 0.0

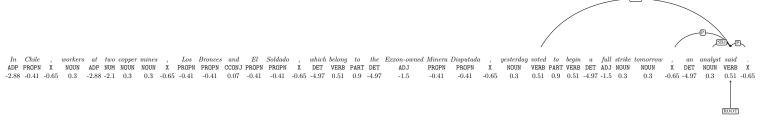




$$\phi(\text{ref})$$
 - $\phi(\text{var})$: dlg = 1.0 wtembdep = -404.73 ldep = 20.0

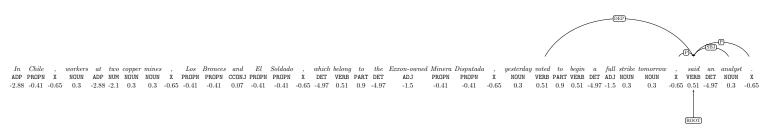
 $wsj_0192.56.0$

Reference Sentence spearman allwords = 0.0



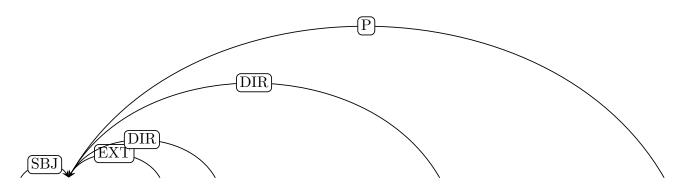
 $wsj_0192.56.1$

Variant Sentence spearman allwords = -1.0



 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 61.41 ldep = -1.0

 $wsj_0194.5.0$

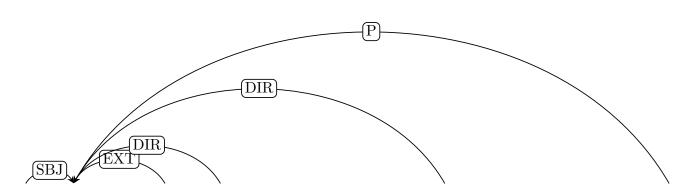


% 4.4 billion from Sales rose \$ 4.2 billion 5 toADP NOUN VERB NUM NOUN PART SYM NUM NUM NUM SYM NUM X 0.3 $0.51 - 2.1 \ 0.3$ 0.9 - 0.41 - 2.1 - 2.1-2.88 -0.41 -2.1 -2.1 -0.65

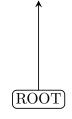


 $wsj_0194.5.1$

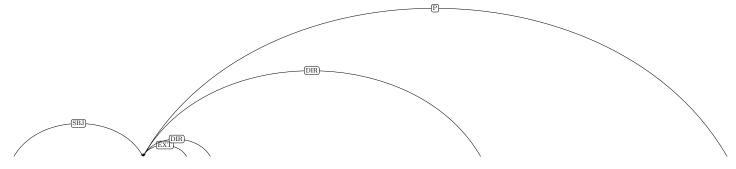
Variant Sentence spearman allwords = -0.63



4.4 billion %4.2 billion from\$ toSales rose NOUN VERB NUM NOUN ADP NUM PART SYM NUM NUM SYM NUM X 0.3 $0.51 - 2.1 \quad 0.3 \quad -2.88 - 0.41 - 2.1$ -2.10.9 - 0.41 - 2.1-2.1 -0.65



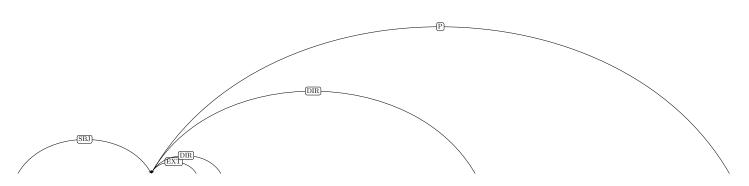
 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 0.0 wtembdep = 148.29 ldep = 6.0



ROOT

wsj_0194.28.1

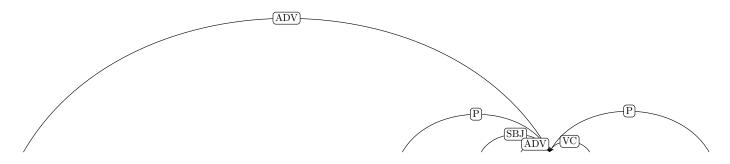
Variant Sentence spearman allwords = -0.24



ROOT

 $\phi(\text{ref})$ - $\phi(\text{var})$: dlg = 1.0 wtembdep = 463.35 ldep = 0.0

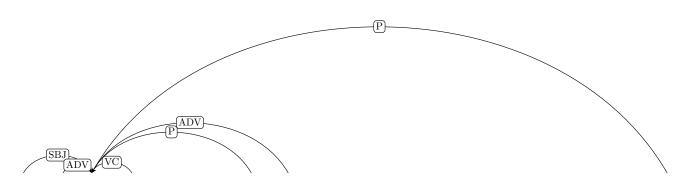
 $wsj_0204.4.0$



employees to upcollege also must approve the plan signforthe options aADP PRON NOUN PART VERB PART ADP DET NOUN X NOUN ADV VERB **VERB** DET NOUN X DET $-2.88 \quad 0.7$ 0.9 -2.88 -4.97-0.65 - 4.97 $-4.97 \quad 0.3 \quad -0.65$ 0.3 0.510.30.3 $0.51 \ 0.51$ 0.51



 $wsj_0204.4.1$



college also must approve the plan forits employees to sign upforthe options NOUN ADV VERB VERB DET NOUN X X ADP PRON NOUN PART VERB PART ADP NOUN -4.97 0.51 0.3 $0.51 \ 0.51$ $-4.97 \quad 0.3 \quad -0.65 \quad -2.88 \quad 0.7$ 0.3 0.9 0.51 0.9 -2.88 -4.970.3-0.65



 $\phi(\text{ref}) - \phi(\text{var})$: dlg = 2.0 wtembdep = 107.48 ldep = -0.0