

HPSG | Mündliche Prüfung | Bereich 7 *Morphologie vs. Syntax*

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1 Lexikoneintrag

Der Typ *mass-noun* sei ein Unter- oder Nebentyp von *noun* mit leerer SUBCAT und Stoffsemantik.

word	
PHON	$\langle \text{Zement} \rangle$
CAT	$\left[\begin{array}{l} \text{HEAD} \quad [mass-noun] \\ \text{SUBCAT} \quad \langle \rangle \end{array} \right]$
CONT	$\left[\begin{array}{l} \text{INDEX} \quad [1] \\ \text{RESTR} \quad \left\langle \left[\begin{array}{l} cement-substance-rel \\ \text{INSTANCE} \quad [1] \end{array} \right] \right\rangle \end{array} \right]$

2 Lösungsstrategien

2.1 Morphologie mit DLR

mass-sortal-noun-lex-rule	
CAT	$\left[\begin{array}{l} \text{HEAD} \quad [noun] \\ \text{SUBCAT} \quad \left\langle [CAT HEAD \quad [det]] \right\rangle \end{array} \right]$
CONT	$\left[\begin{array}{l} \text{RESTR} \quad \left\langle [sort-of-mass-rel] \right\rangle \\ \text{PSOA-ARG} \quad [3] \end{array} \right]$
LEX-DTR	$\left[\begin{array}{l} \text{CAT} \quad \left[\begin{array}{l} \text{HEAD} \quad [mass-noun] \end{array} \right] \\ \text{CONT} \quad [3] \end{array} \right]$

2.2 Syntax mit unärer Projektion

Für eine syntaktische *unary-phrase* nehmen wir an, dass im Obertyp *unary-phrase* bereits festgelegt wurde, dass PHON und CAT|HEAD der Phrase gleich dem der SINGLE-DTR sind.

unary-phrase \Rightarrow

PHON	[1]
CAT HEAD	[2]
SINGLE-DTR	$\left[\begin{array}{l} \text{PHON} \quad [1] \\ \text{CAT HEAD} \quad [2] \end{array} \right]$

mass-sortal-noun-unary-phrase \Rightarrow

$$\left[\begin{array}{l} \text{CAT} \\ \text{CONT} \\ \text{SINGLE-DTR} \end{array} \left[\begin{array}{l} \text{SUBCAT} \left\langle \left[\text{CAT|HEAD} \left[\textit{det} \right] \right] \right\rangle \\ \left[\begin{array}{l} \text{INDEX} \boxed{1} \\ \text{RESTR} \left\langle \left[\textit{sort-of-mass-rel} \right] \right\rangle \\ \text{PSOA-ARG} \boxed{3} \end{array} \right] \\ \left[\begin{array}{l} \text{CAT} \left[\text{HEAD} \left[\textit{mass-noun} \right] \right] \\ \text{CONT} \boxed{3} \left[\text{INDEX} \boxed{1} \right] \end{array} \right] \end{array} \right] \right]$$

2.3 Syntax mit Nullartikel

$$\left[\begin{array}{l} \text{PHON} \\ \text{CAT|HEAD} \end{array} \left[\begin{array}{l} \langle \rangle \\ \left[\begin{array}{l} \textit{det} \\ \text{SPEC|CAT|HEAD} \left[\textit{mass-noun} \right] \end{array} \right] \end{array} \right] \right]$$

$$\left[\begin{array}{l} \text{PHON} \\ \text{CAT} \\ \text{HD-DTR} \\ \text{NON-HD-DTR} \end{array} \left[\begin{array}{l} \langle \textit{Zement} \rangle \\ \left[\begin{array}{l} \text{HEAD} \boxed{1} \\ \text{SUBCAT} \langle \rangle \end{array} \right] \\ \left[\begin{array}{l} \text{PHON} \langle \textit{Zement} \rangle \\ \text{CAT} \left[\begin{array}{l} \text{HEAD} \boxed{1} \\ \text{SUBCAT} \left\langle \boxed{2} \left[\text{CAT|HEAD} \left[\textit{det} \right] \right] \right\rangle \end{array} \right] \end{array} \right] \\ \left[\begin{array}{l} \text{PHON} \langle \rangle \\ \text{CAT} \left[\begin{array}{l} \text{HEAD} \left[\begin{array}{l} \textit{det} \\ \text{SPEC|CAT|HEAD} \boxed{1} \left[\textit{mass-noun} \right] \end{array} \right] \end{array} \right] \end{array} \right] \end{array} \right] \right]$$