

Powerset problems

True or false? If false, make a correction.

2.4.5. $\emptyset = \mathcal{P}(\emptyset)$

2.4.6. $\mathbb{Z} \in \mathcal{P}(\mathbb{R})$

2.4.7. For any set A , $\{A\} \in \mathcal{P}(A)$.

Grammar

<i>sentence:</i>	the boy <i>noun phrase</i> (subject)	hit the ball <i>predicate</i>	in the field optional <i>prepositional phrase</i>
<i>noun phrase:</i>	the <i>article</i>	smart optional <i>adjective</i>	unicorn <i>noun</i>
<i>predicate:</i>	quickly optional <i>adverb</i>	ran <i>verb phrase</i>	

Grammar

verb phrase: {

hit	the ball
<i>transitive verb</i>	<i>noun phrase</i>
	(direct object)
slept	
<i>intransitive verb</i>	
felt	smart
<i>linking verb</i>	<i>adjective</i>

prepositional phrase: on the dog
 preposition *noun phrase*

Vocabulary

articles: a, the

adjectives: big, bright, fast, beautiful, smart, red, smelly

nouns: man, woman, dog, unicorn, ball, field, flea, tree

adverbs: quickly, slowly, happily, dreamily

transitive verbs: chased, saw, greeted, bit, loved

intransitive verbs: ran, slept, sang

linking verbs: was, felt, seemed

prepositions: in, on, through, with