



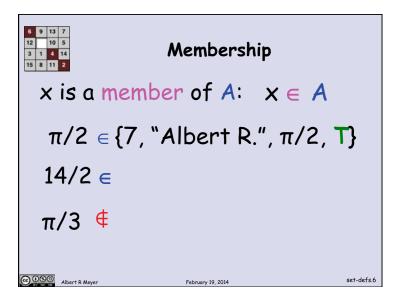
Albert R Meyer

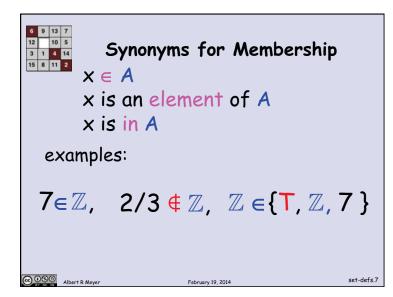
## In or Not In

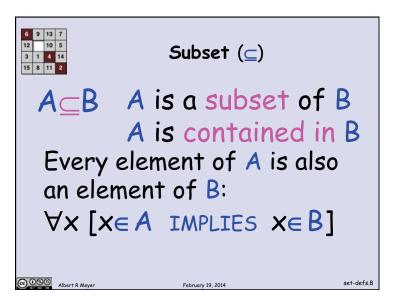
set-defs.5

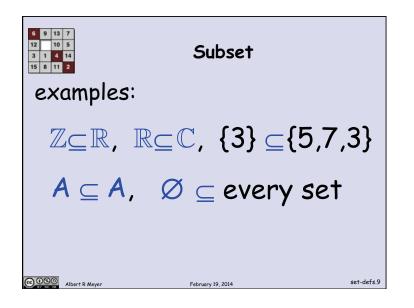
An element is in or not in a set: {7,  $\pi/2$ , 7} is same as {7,  $\pi/2$ } No notion of being in the set more than once.

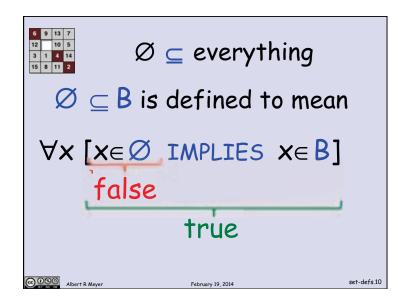
February 19, 2014

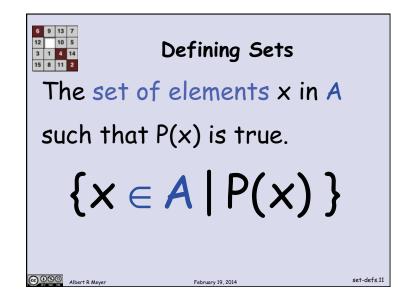


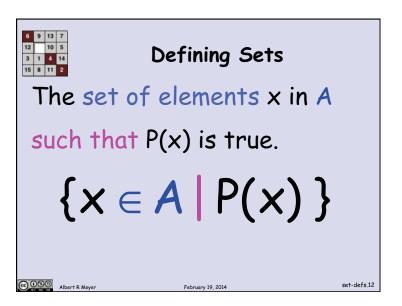


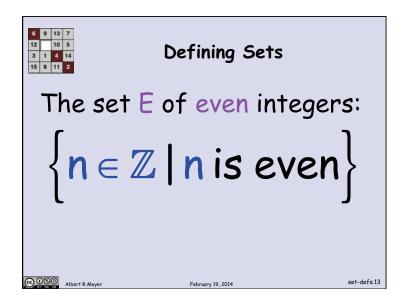












6 9 13 7   12 10 5 Power Set
pow(A) ::= all the subsets of A
= {B   B ⊆ A }
example:
pow({T, F}) = { {T}, {F}, {T, F}, ∅}
$E \in pow(\mathbb{Z}),  \mathbb{Z} \in pow(\mathbb{R})$
$B \in pow(A)$ IFF $B \subseteq A$
Albert R Meyer February 19, 2014 set-defs.14

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