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44

A large, solid orange circle serves as the background for the entire image.

45



46

47



48



49

tail/

write

head/

read

$$2^3 capacity \equiv 8 \equiv 1000b$$

$$\text{capacity} = 1 \equiv 7 = 0111b$$

next_tail = 7 + 1 = 1000b

80111b

==== 0000b



$2^3 \text{ capacity} = 8 = 1000b$

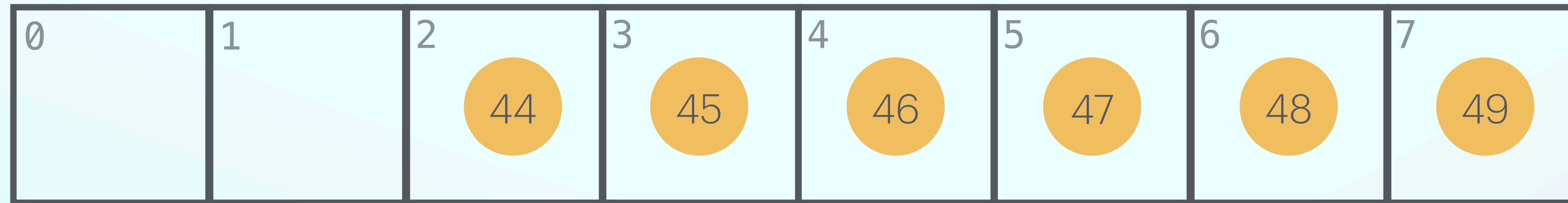
$\text{capacity} - 1 = 7 = 0111b$

$\text{next_tail} = 7 + 1 = 8 = 1000b$

$\& 0111b$

$= 0000b$

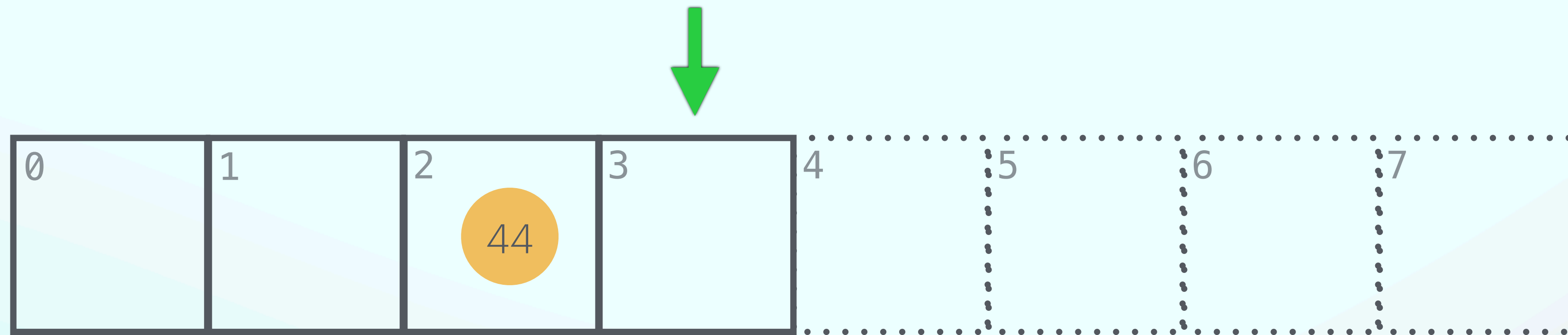
tail/
write



head/
read



tail/
write



head/
read