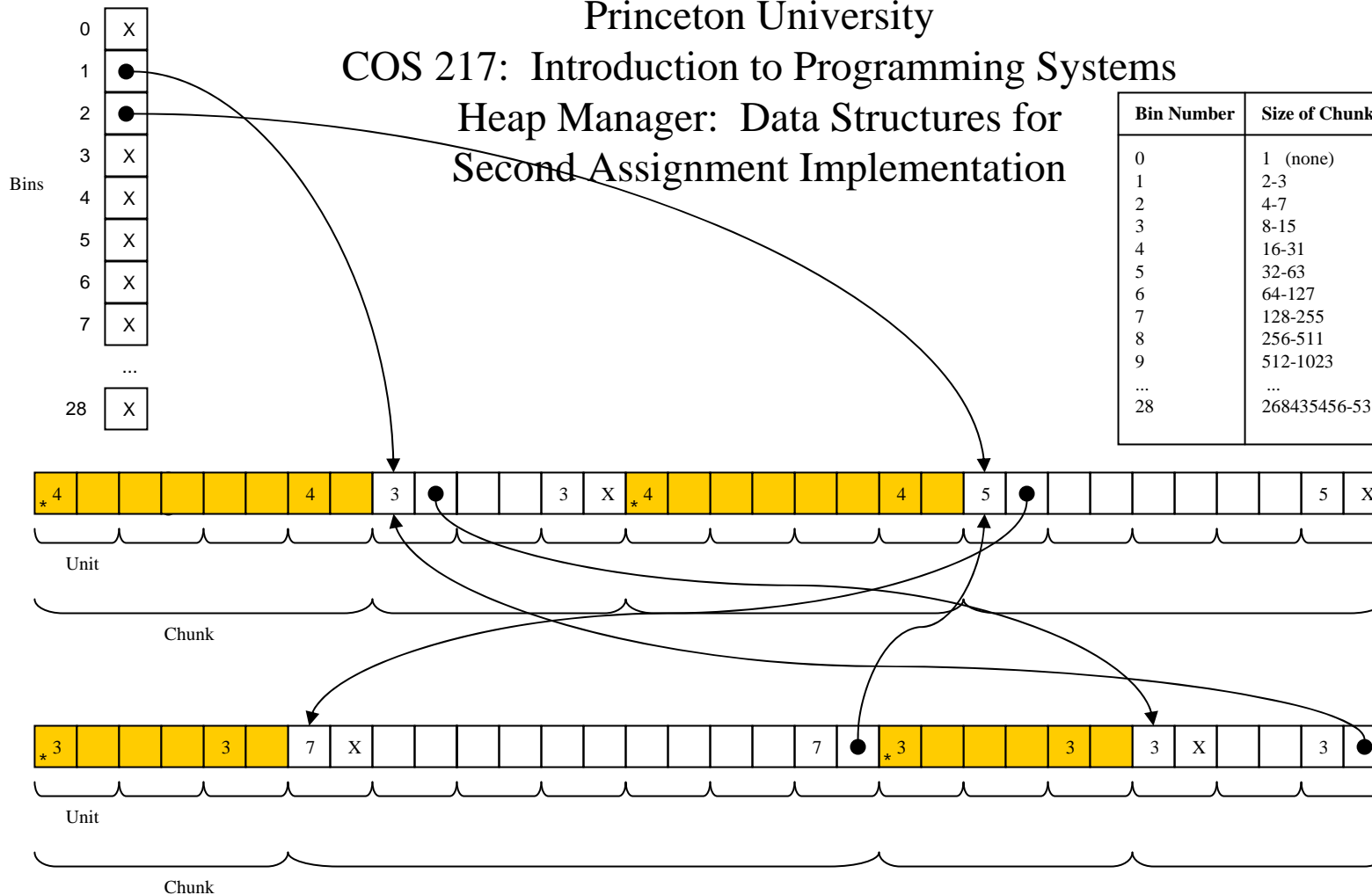


Princeton University
 COS 217: Introduction to Programming Systems
 Heap Manager: Data Structures for
 Second Assignment Implementation

Bin Number	Size of Chunks (in Units)
0	1 (none)
1	2-3
2	4-7
3	8-15
4	16-31
5	32-63
6	64-127
7	128-255
8	256-511
9	512-1023
...	...
28	268435456-536870911



Each box consists of 4 bytes.

Each Chunk's header Unit contains a status (inuse or free), a length, and, if the Chunk is free, a pointer to the next Chunk in its Bin.

Each Chunk's footer Unit contains a length and, if the Chunk is free, a pointer to the previous Chunk in its Bin.

The Chunks in the Bins are in no particular order.

* means INUSE; absence of * means FREE.