

# Data Structure Overview

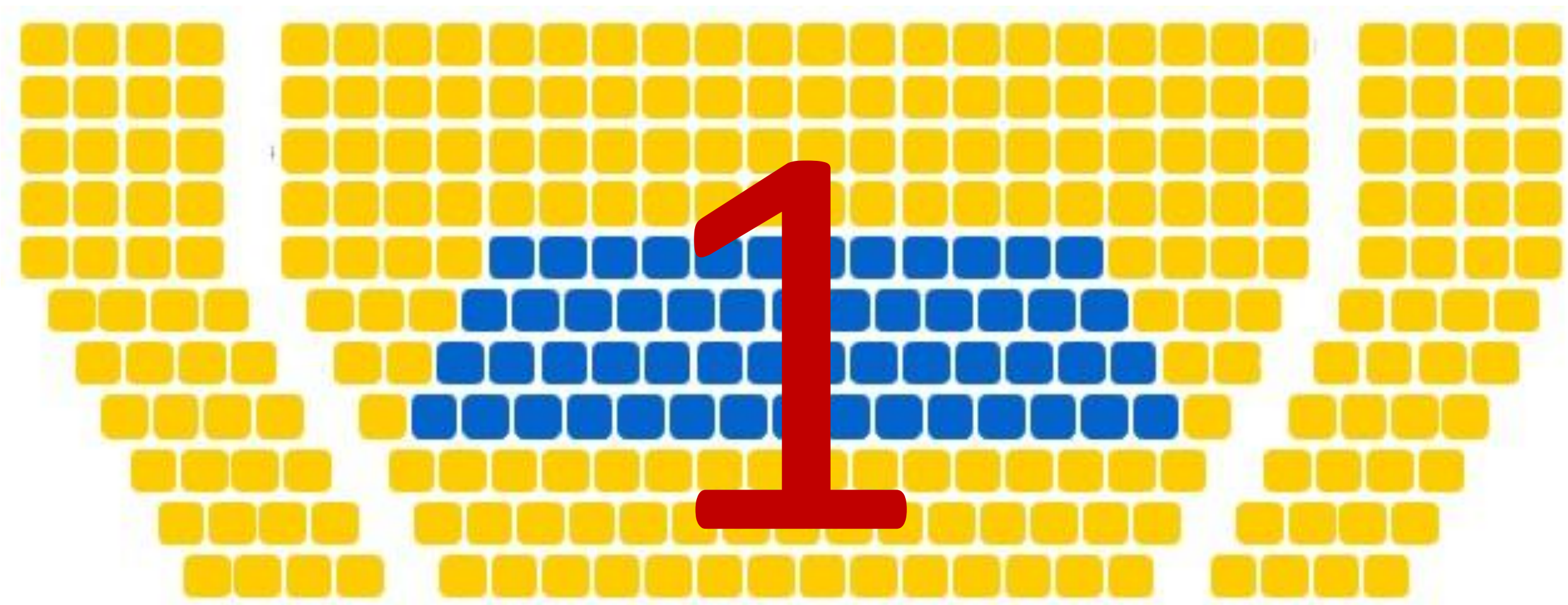
# What is data structure?

- “An organization of information, usually in memory, for better algorithm efficiency” - NIST, 2004
- “Way in which data are stored for efficient search and retrieval” – Encyclopedia Britannica, 2014
- “A particular way of organizing data in a computer so that it can be used effectively” - Geeks for Geeks, n.d.

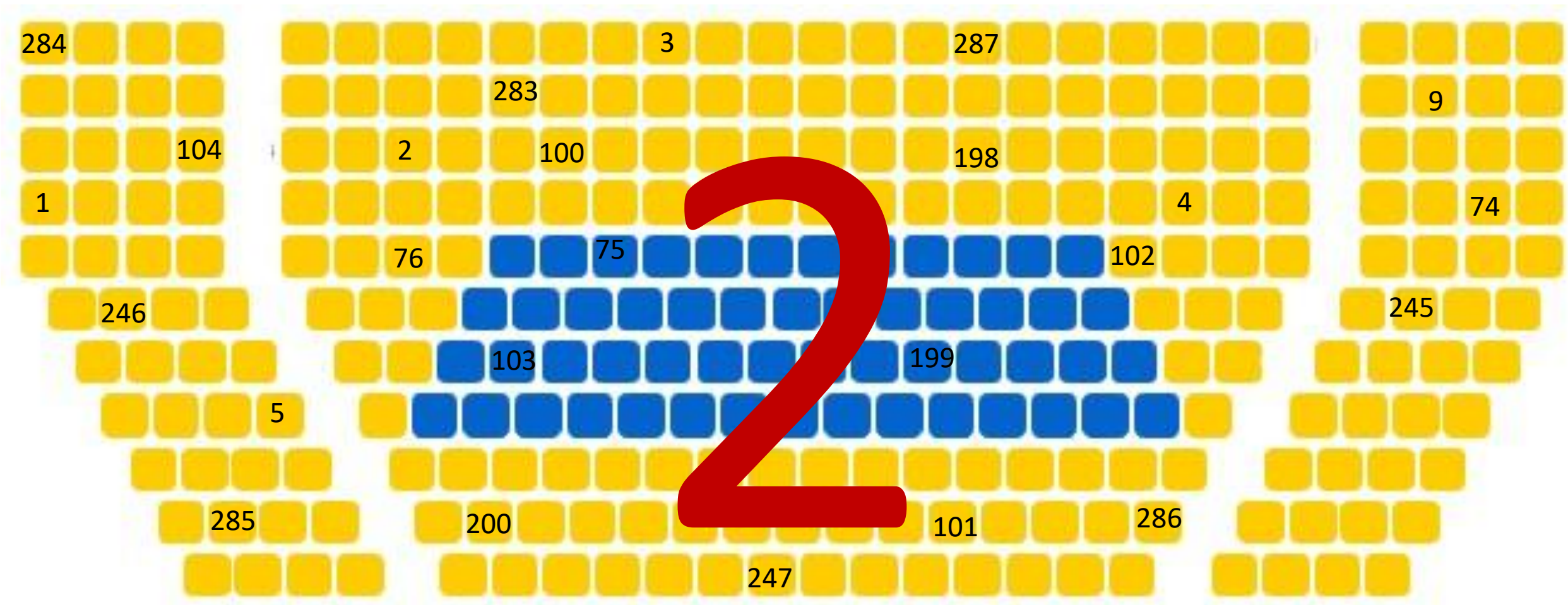
# What is algorithm?

- Clearly specified set of simple instructions to be followed to solve a problem (Weiss, 2013).
- The steps to be carried out in order to accomplish a particular task (Bhasin, 2015).

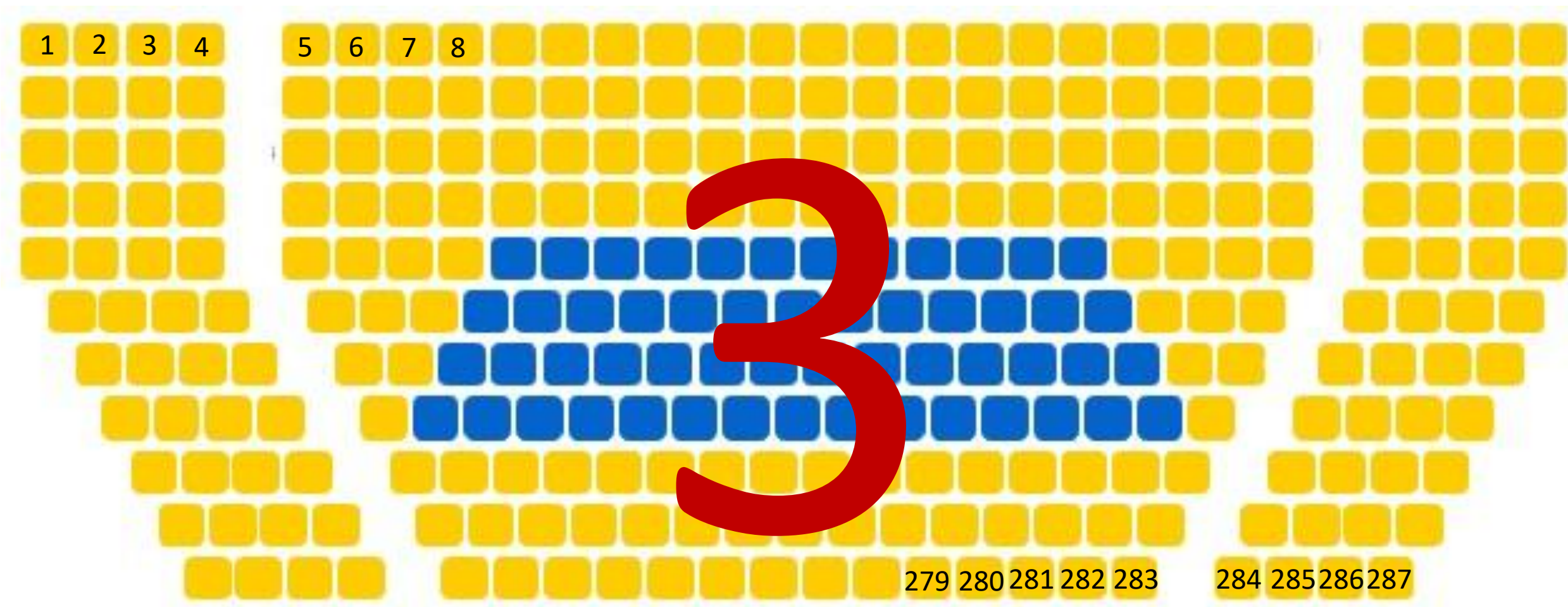
A good data structure with improper algorithm will not improve efficiency



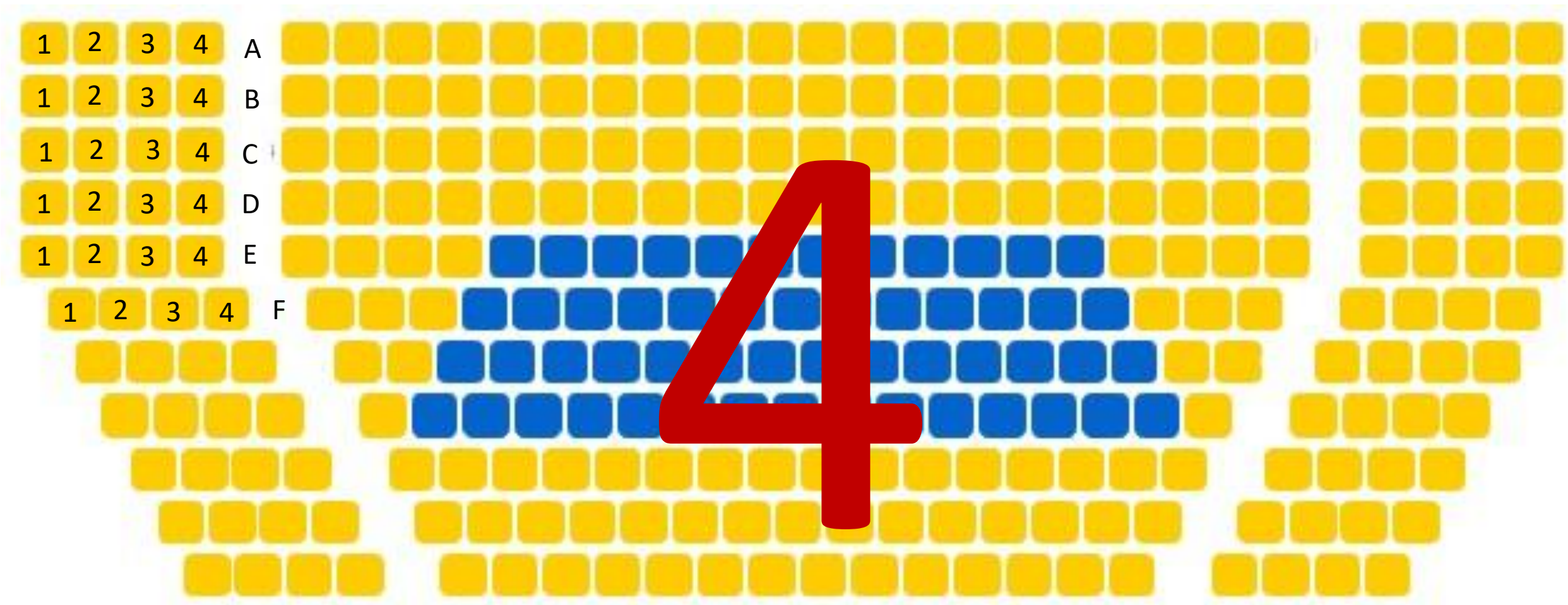
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