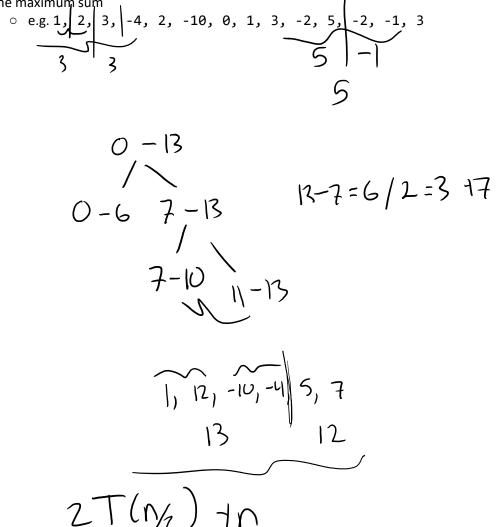
## 2019-05-01 Maximum Subsequence Problem

Wednesday, May 1, 2019 3:04 PM

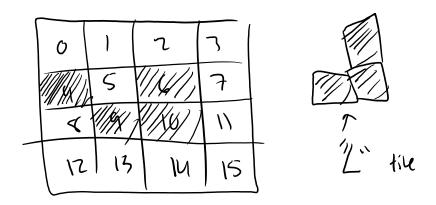
## Maximum Subsequence Problem

• Given a series of positive and negative integers, find the subsequence that yields



## **Tiling Problem**

- Given some n x n grid with n being a power of 2 and one element filled in (rest are open)
- We're allowed to place "L" shaped tiles
- How to place the tiles such that the grid is completely filled in



- Could be solved w/ dynamic programming, but better solution w/ divide and conquer
- Base case:
  - $\circ\quad 2x2$  grid. Because a single L tile can fill in the grid

