* Maximum Ice Cream Bars

$$O(n\log n) \qquad \left(1, 3, 2, 4, 1\right) \longrightarrow 7$$
$$O(n)$$

$$\longrightarrow \text{Sort } \& \text{ count from left.}$$

$$O(n+y)$$
$$O(n)$$

- Bucket Sort.

  take max & put to an array of occurrences.

  Count from left to right.

  $$\min\left(\frac{\text{coins remain}}{\text{value}}, \text{ count of occurrences}\right)$$

  $$\min\left(\text{coins}, \text{ occurrence count} * \text{value}\right)$$