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## Table Implementations

	Search	Add	Remove
Sorted array-based	O(log n)	O(n)	O(n)
Unsorted array-based	O(n)	O(1)	O(n)
Balanced Search Trees	O(log n)	O(log n)	O(log n)

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Can we build a faster data structure?





CS200 - Hash Tables































Probabilities				
N (# of people)	P n (Probability that at least two of the n persons have the same birthday)			
10	11.7 %			
20	41.1 %			
23	50.7 %			
30	70.6 %			
50	97.0%			
57	99.0%			
100	99.99997%			
200	99.999999999999999999999999999998%			
366	100%			



































