

Type of Hash Family	Previous Results	Our Results
Linear Probing		
2-universal hashing	$4 \log T$	$3 \log T$
4-wise independence	$2.5 \log T$	$2 \log T$
Balanced Allocations with d Choices		
2-universal hashing	$(d + 2) \log T$	$(d + 1) \log T$
4-wise independence	$(d + 1) \log T$	—
Bloom Filters		
2-universal hashing	$4 \log T$	$3 \log T$
4-wise independence	$3 \log T$	—