Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% **To pass** 75% or higher

Go to next item

What is the size of the array needed to store integer keys with up to 12 digits using direct addressing?	1/1 poir
O 12	
 ● 10¹² ○ 2¹² 	
O 2	
\odot correct This is the number of all integers with up to 12 digits.	
What is the maximum possible chain length for a hash function $h(x)=x mod 1000$ used with a hash table of	1 / 1 poi
size 1000 for a universe of all integers with at most 12 digits? \bigcirc 1	
O 10 ¹²	
⊕ 10 ⁹	
\bigodot Correct When the values of the last 3 digits are fixed, there are 10^9 numbers with at most 12 digits.	
○ 999997○ 1000002● 1000003	
\bigcirc correct This is a prime number bigger than $1000000.$	
How can one build a universal family of hash functions for integers between -1000000 (minus one million) and	1/1 poi
1000000 (one million)?	1/100
$\ensuremath{\bullet}$ First, add 1000000 to each integer and get the range of integers between 0 and 2000000 . Then use the universal family for integers with $p=2000003$.	
universal family for integers with $p=2000003$.	
universal family for integers with $p=2000003$.	

