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HashMap Diagramming

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HashMap Diagramming

0 puntos posibles (no calificables)

Given the linear probing HashMap below backed by an array, perform the listed operation and enter the updated values of the backing array below. For this question, assume that the hashcode of a number is the number itself.

Answer Format: If a particular index does not contain data, type **null** in that box. Otherwise, **only enter the keys** into the corresponding answer boxes. For example, if (0, 76) was located at index 0, only type 0 into the answer box for index 0. Your answer should **only** consist of numbers. Spaces, special characters, and letters will be marked incorrect. NOTE: Every box should contain a response (i.e. any index without data should have null written in the corresponding value box).

Given the following HashMap of length 13:

```
[null, null, null, null, null, null, null, null, null, null, null, null, null]
```

Perform the following operations in order and enter the updated values below. Assume **no resize**.

```
put(43, 43);
put(34, 34);
put(27, 27);
put(17, 17);
put(23, 23);
put(30, 30);
```

Index 0

✓ Answer: null

Index 1

✓ Answer: 27

Index 2

✓ Answer: null

Index 3

✓ Answer: null

Index 4

✓ Answer: 43

Index 5

✓ Answer: 17

Index 6

30

✓ Answer: 30

Index 7

null

✓ Answer: null

Index 8

34

✓ Answer: 34

Index 9

null

✓ Answer: null

Index 10

23

✓ Answer: 23

Index 11

null

✓ Answer: null

Index 12

null

✓ Answer: null

Enviar

Mostrar respuesta

i Las respuestas son mostradas en el problema

Scratchpad

Below is a textbox you can use as a scratchpad while you work through this problem; you should be able to click in the bottom-right and drag to expand it for your use. No text in this box will be used by the grading script, but you can use it to take notes and work through the exercise. Note that text entered in this box **will not be saved** if you leave and return to this page.

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