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Code Matching

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Code Matching

0 puntos posibles (no calificables)

Given the following snippets of code, determine which are part of the implementation of the **addAtIndex()** and **removeAtIndex()** methods of an ArrayList, and which are part of the **enqueue()** and **dequeue()** methods of an array-backed Queue. For each segment of code, select the appropriate method in the dropdown for which it belongs. If none of the methods match, select 'None'.

You can assume that the class contains data of type T, that it contains any appropriate member variables such as size, backingArray, etc., and that a data parameter of type T and an index parameter of type int are provided if needed. You are also provided with a scratchpad at the bottom of this page that you may use.

```
for (int i = index; i < size - 1; i++) {
    backingArray[i] = backingArray[i + 1];
}
```

removeAtIndex ▾

✓ Answer: removeAtIndex

```
backingArray[size + 1] = data;
size++;
```

none ▾

✓ Answer: none

```
backingArray[(front + size) % backingArray.length] = data;
```

enqueue ▾

✓ Answer: enqueue

```
for (int i = size; i > index; --i) {
    backingArray[i] = backingArray[i - 1];
}
```

addAtIndex ▾

✓ Answer: addAtIndex

```
backingArray[size - 1] = data;
size--;
```

none ▾

✓ Answer: none

```
backingArray[front] = null;
front = (front + 1) % backingArray.length;
```

dequeue ▾

✓ Answer: dequeue

Enviar

Mostrar respuesta

📘 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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