

# sequence.sequence\_insert

...

```
Copy fnsequence_insert(self:Array>, tensor:@Tensor, position:Option>)->Array>;
```

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Returns a tensor sequence that inserts 'tensor' into 'self' at 'position'.

## Args

- self
- (Array>
- ) - input sequence.
- tensor
- (@Tensor
- ) - the tensor to insert.
- position
- (@Tensor
- ) - the index for insertion (default: -1).
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## Returns

Tensor sequence containing 'tensor' inserted into 'self' at 'position'.

## Examples

Let's insert the tensor [2] into the sequence [[1], [3]] at position 1.

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```
Copy useorion::operators::tensor::{TensorTrait,Tensor,I32Tensor,U32Tensor};
```

```
fnsequence_insert_example()->Array> { // Prepare sequence letmutsequence=ArrayTrait::new();  
letmutshape=ArrayTrait::new(); shape.append(1);
```

```
letmutdata=ArrayTrait::new(); data.append(1); sequence.append(TensorTrait::new(shape.span(), data.span()));  
letmutdata=ArrayTrait::new(); data.append(3);
```

```
sequence.append(TensorTrait::new(shape.span(), data.span()));
```

```
// Prepare input tensor letmutdata=ArrayTrait::new(); data.append(2); lettensor=TensorTrait::new(shape.span(), data.span());
```

```
// Prepare position letmutshape=ArrayTrait::new(); letmutdata=ArrayTrait::new(); data.append(1);  
letposition=TensorTrait::new(shape.span(), data.span())
```

```
letsequence=self.sequence_insert(tensor, Option::Some(position));
```

```
returnsequence; }
```

```
[[1], [2], [3]]
```

...

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