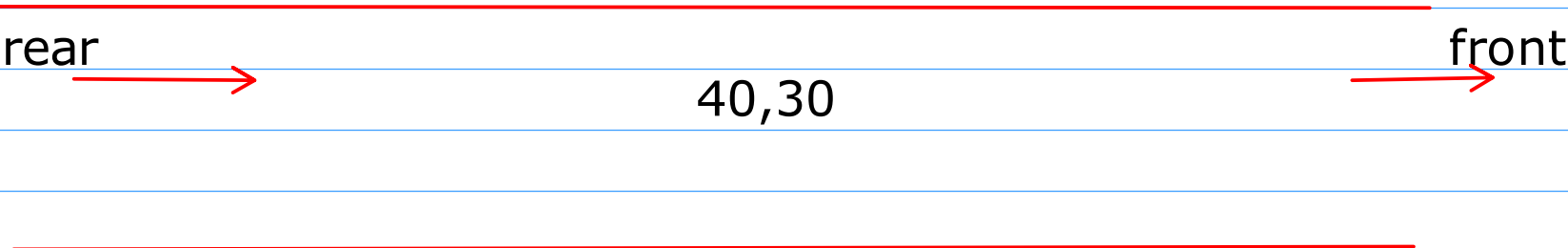
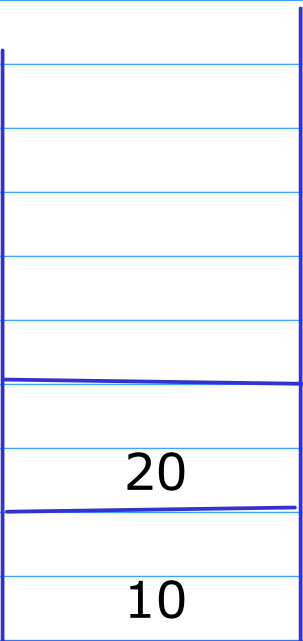


STL - Standard Template Library

- It consists of 4 components
- 1. Containers -> Store the data
- 2. Algorithms
- 3. Function Objects (Functors)
- 4. Iterators

30



```
class Student{  
    vector<Employee *> arr  
    Employee *arr[10];  
    vector<Course>  
}
```

```
class Courses{  
    string name;  
    double fees;  
}
```

Sunbeam offers multiple courses
student is going to purchase multiple courses
menu driven code

vector -> coursesoffered

coursesoffered[2]

cpp	java	pyton	dsa
	0X300		

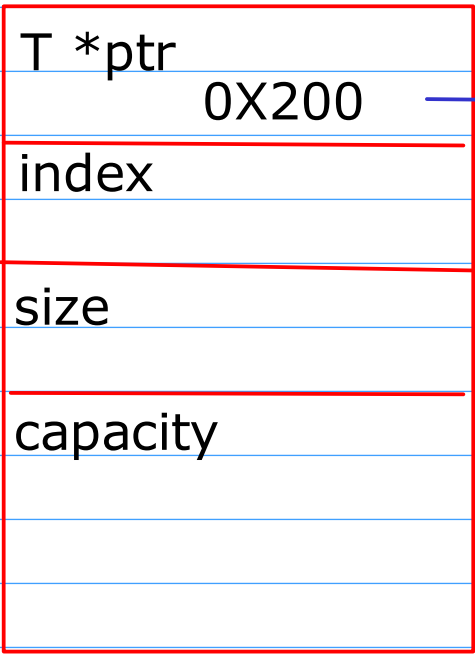
student{

vector -> coursesTaken
}

0X300			
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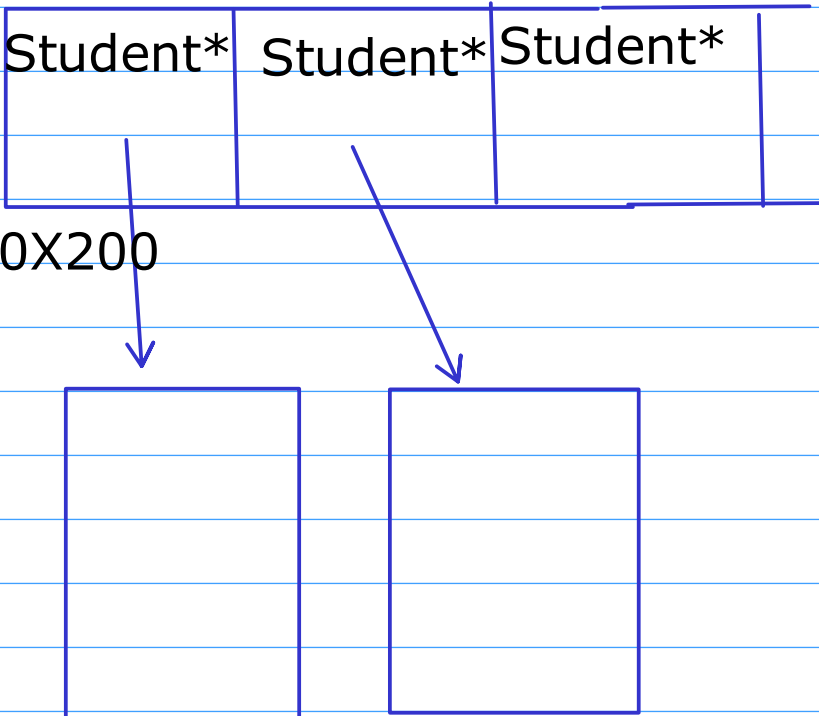
Stack

v1



Vector<Student*> v1;

Heap



new Student new Student

*ptr = new