



مدیریت حافظه کلاس‌ها

# مخرب، سازنده کپی و جایگزینی

بهار ۹۹

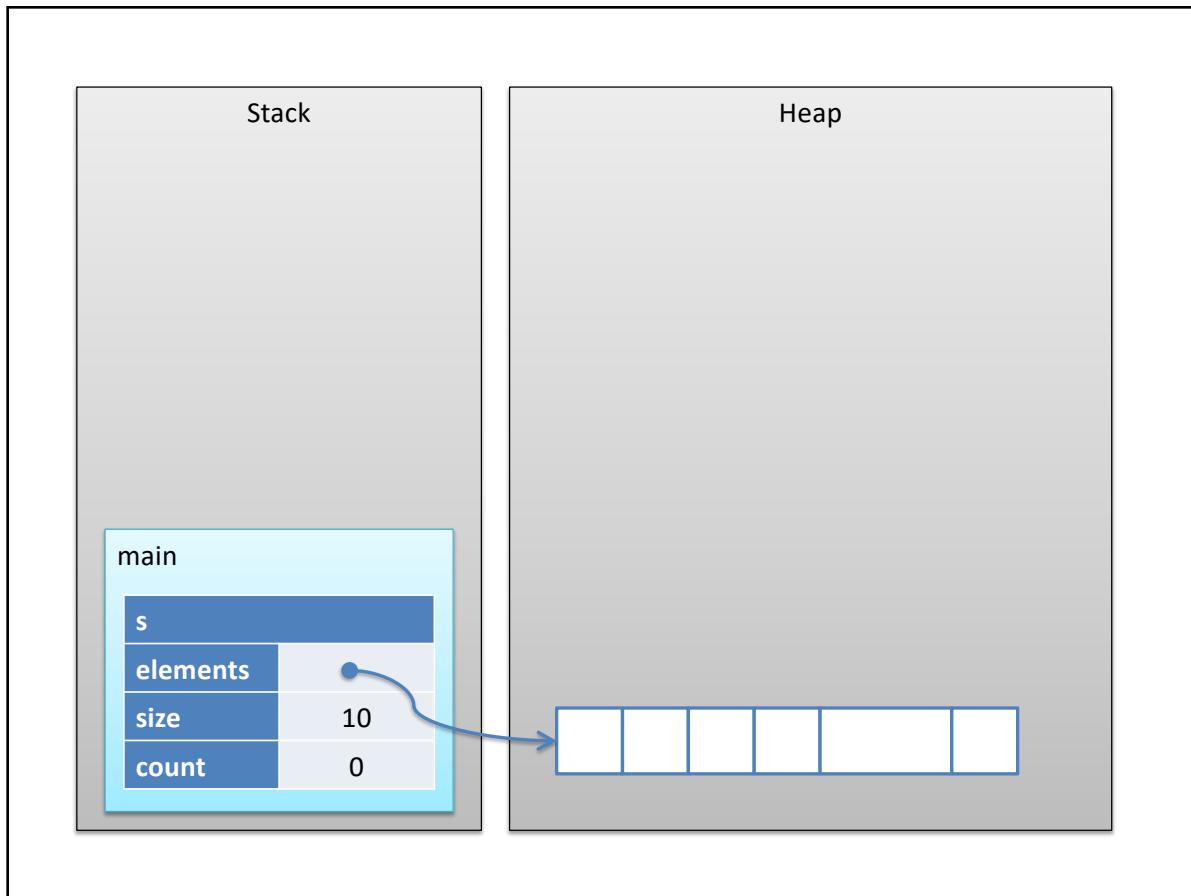
برنامه‌سازی پیشرفته — رامتین خسروی

1

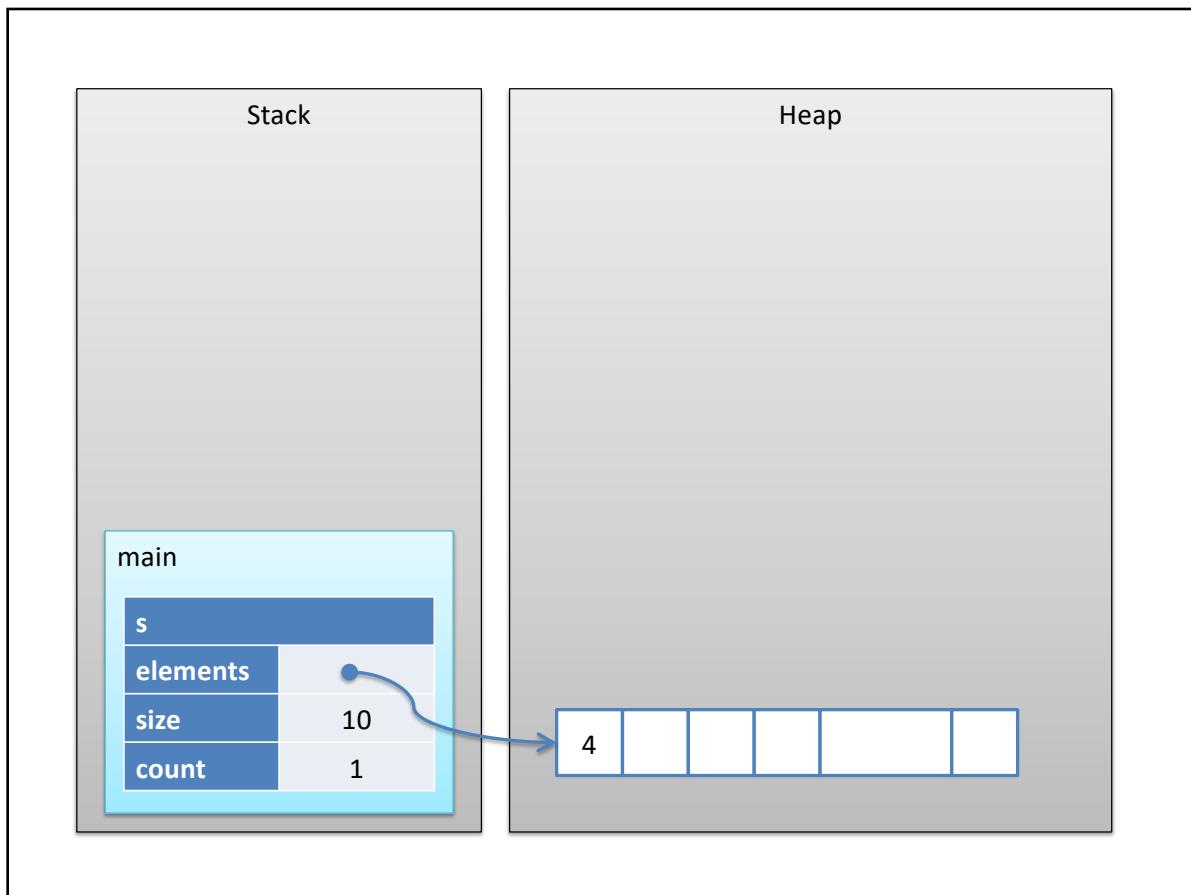
Destructors

01\_Destructor.cpp

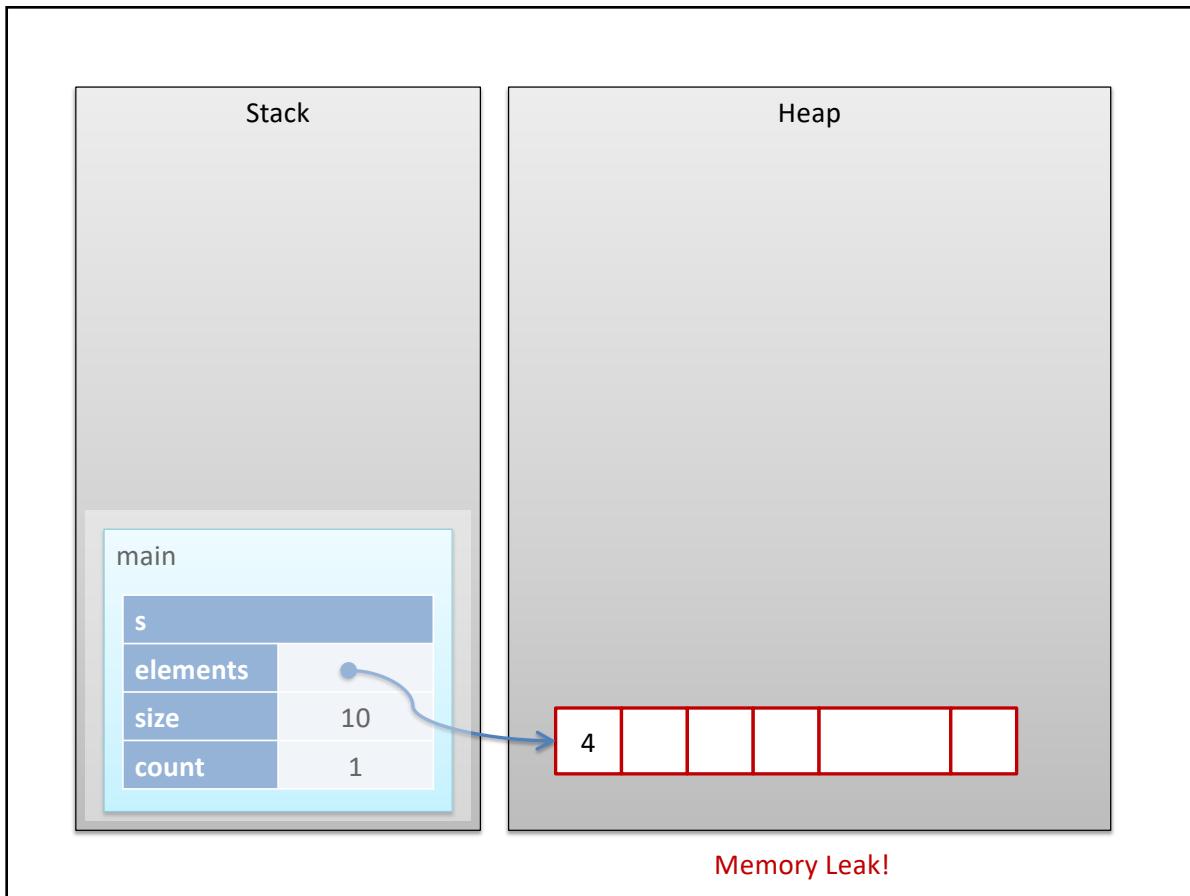
مخرب‌ها



3



4



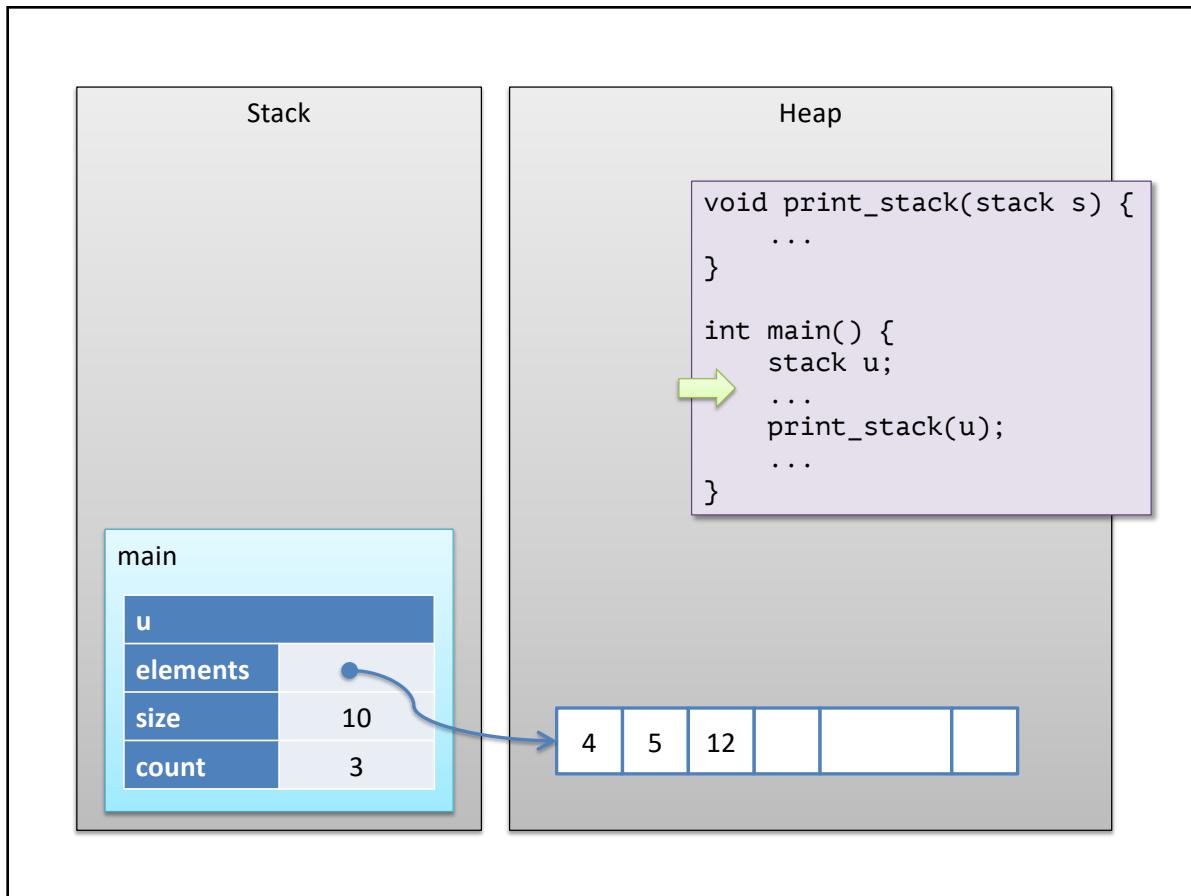
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## Shallow Copy Problem

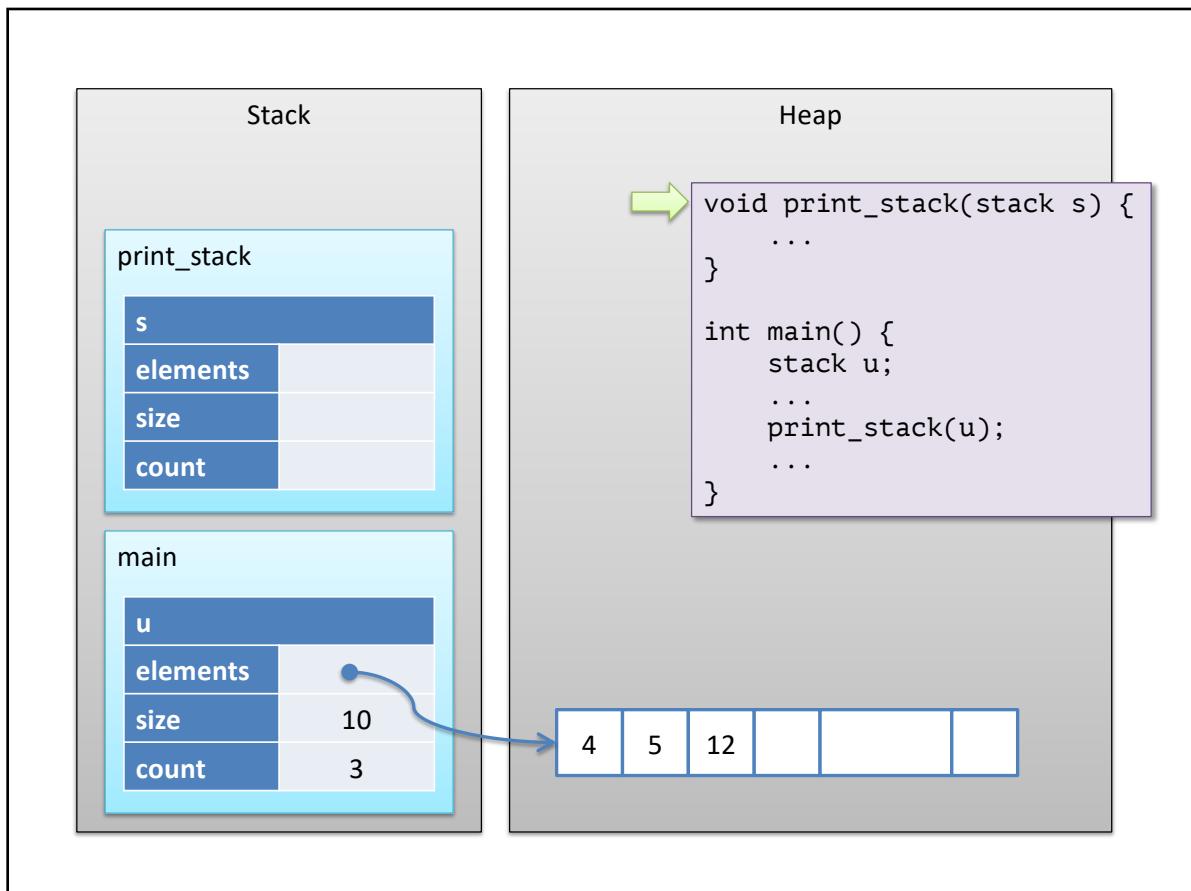
02\_ShallowCopyProblem.cpp

## مشکل کپی کم عمق

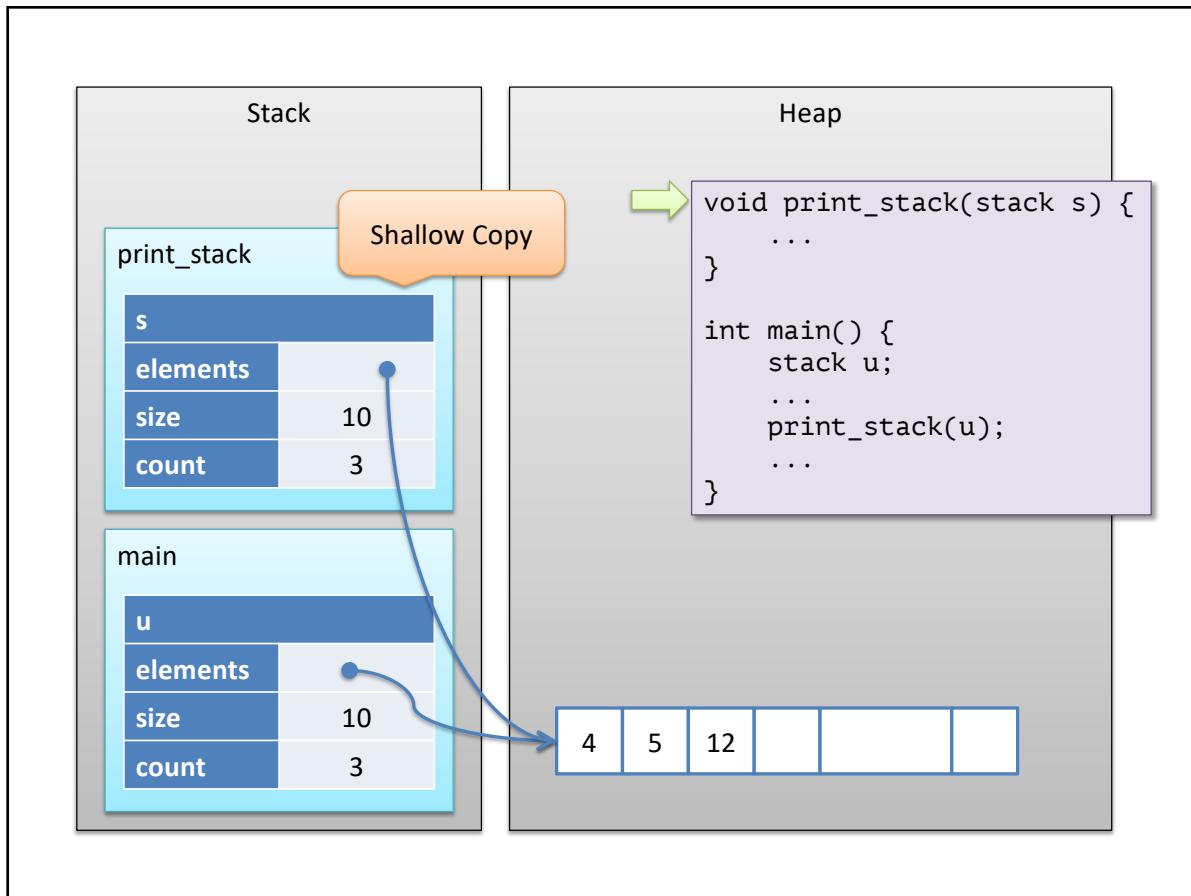
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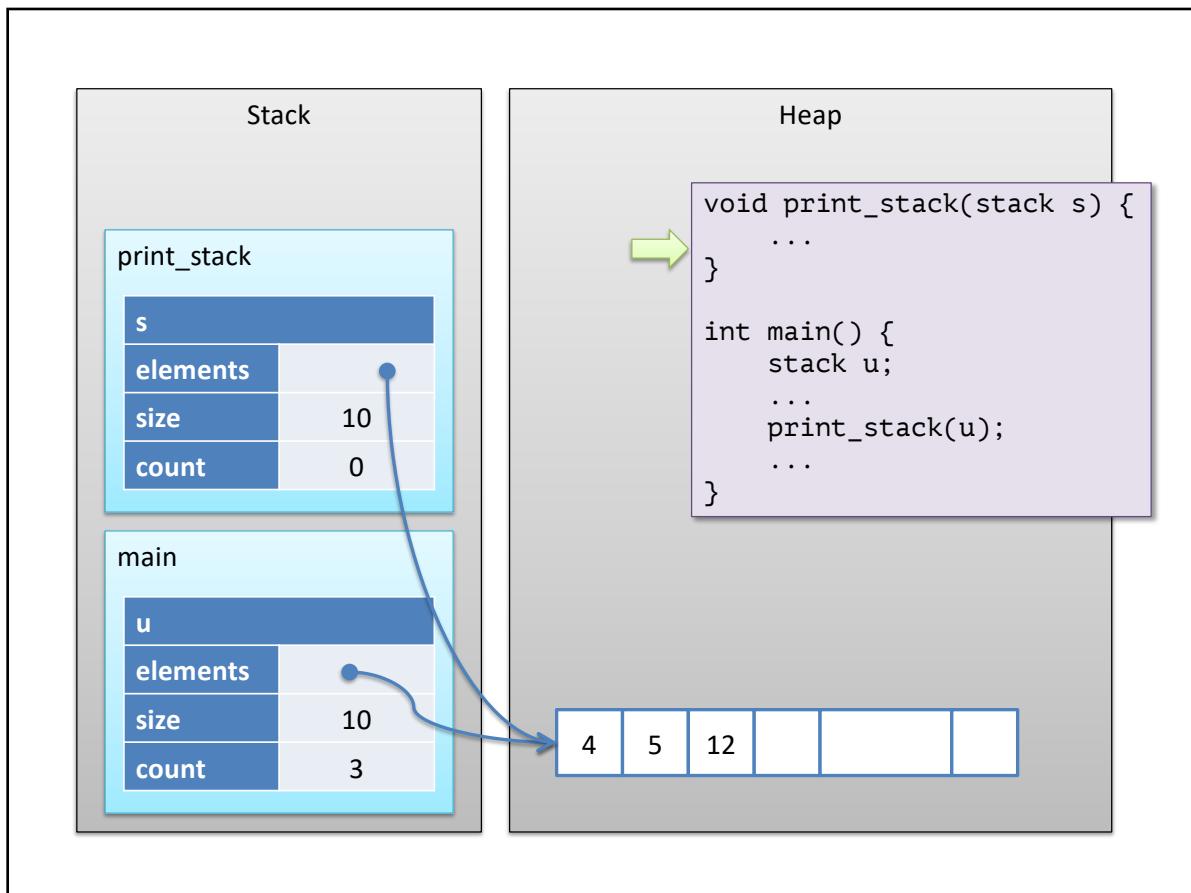
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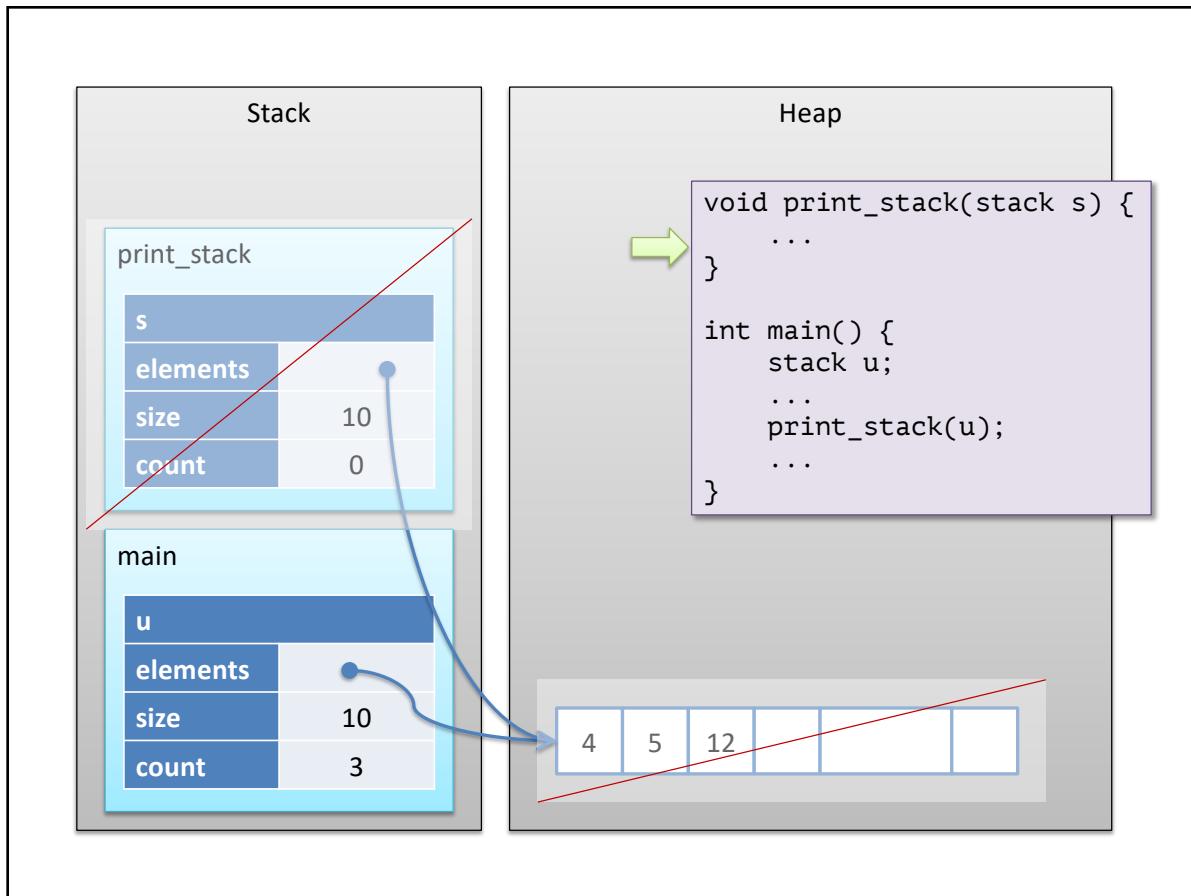
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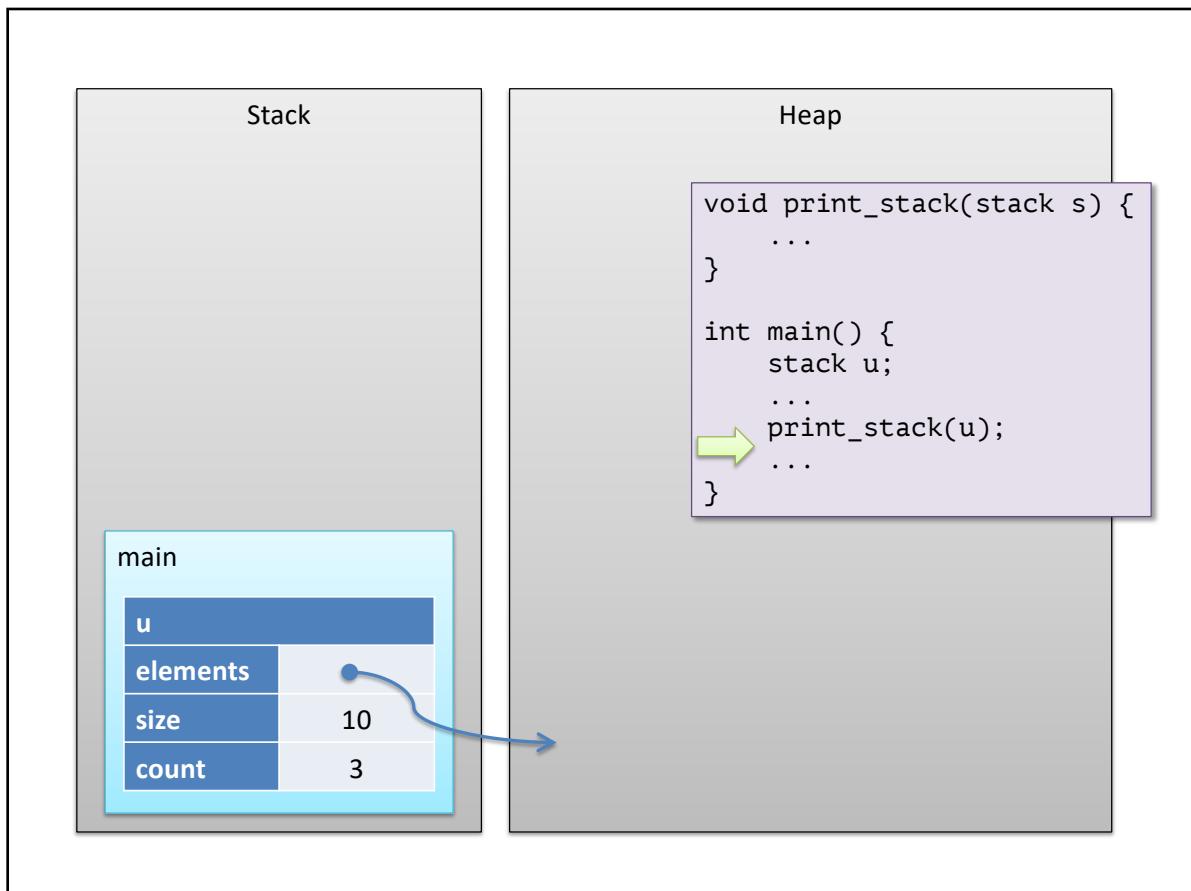
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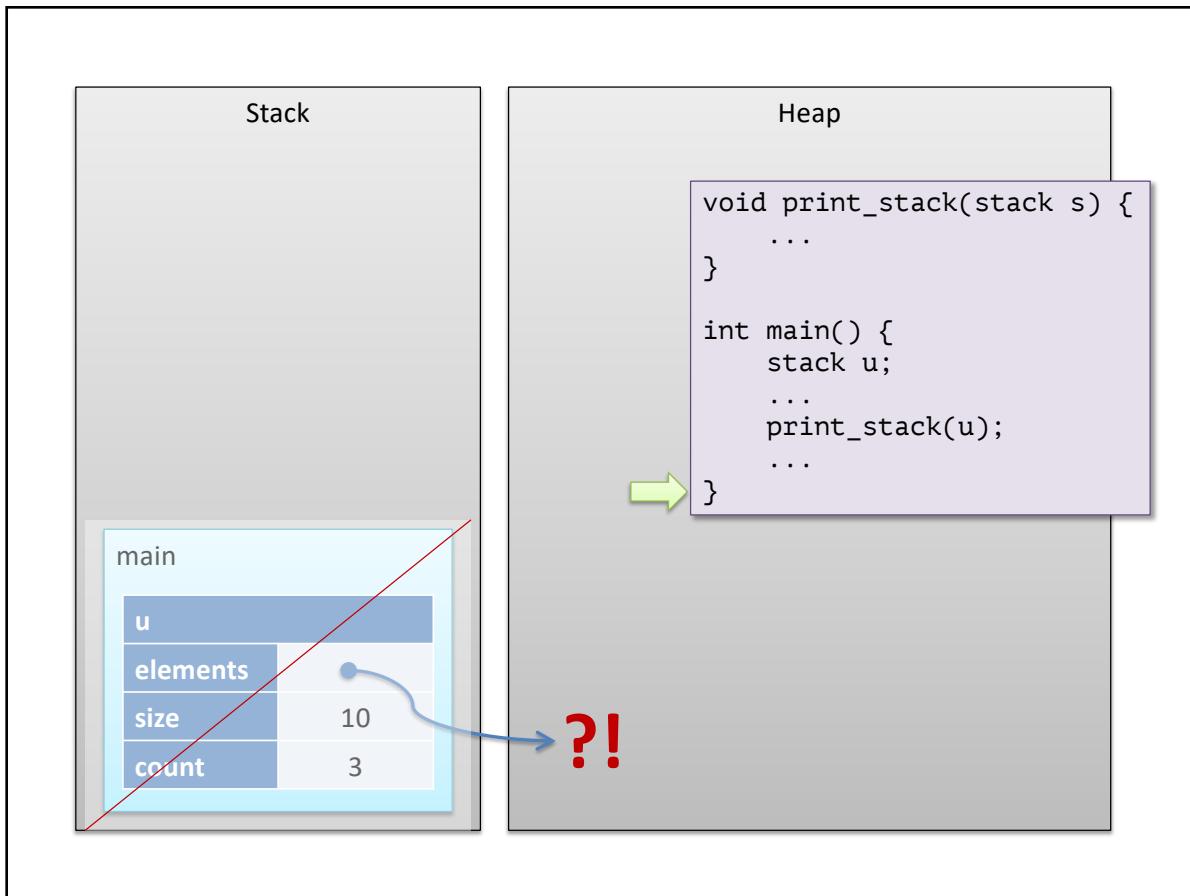
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11



12



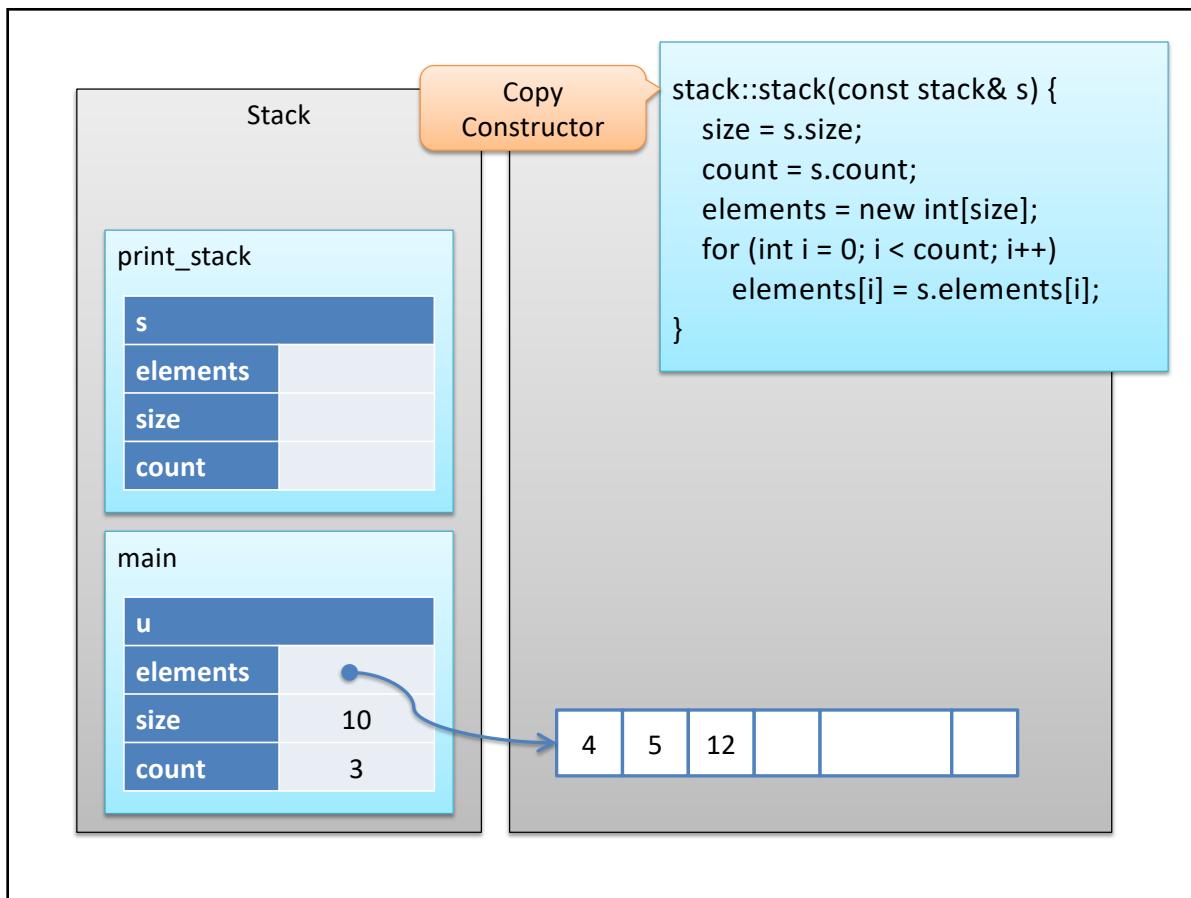
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## Copy Constructor

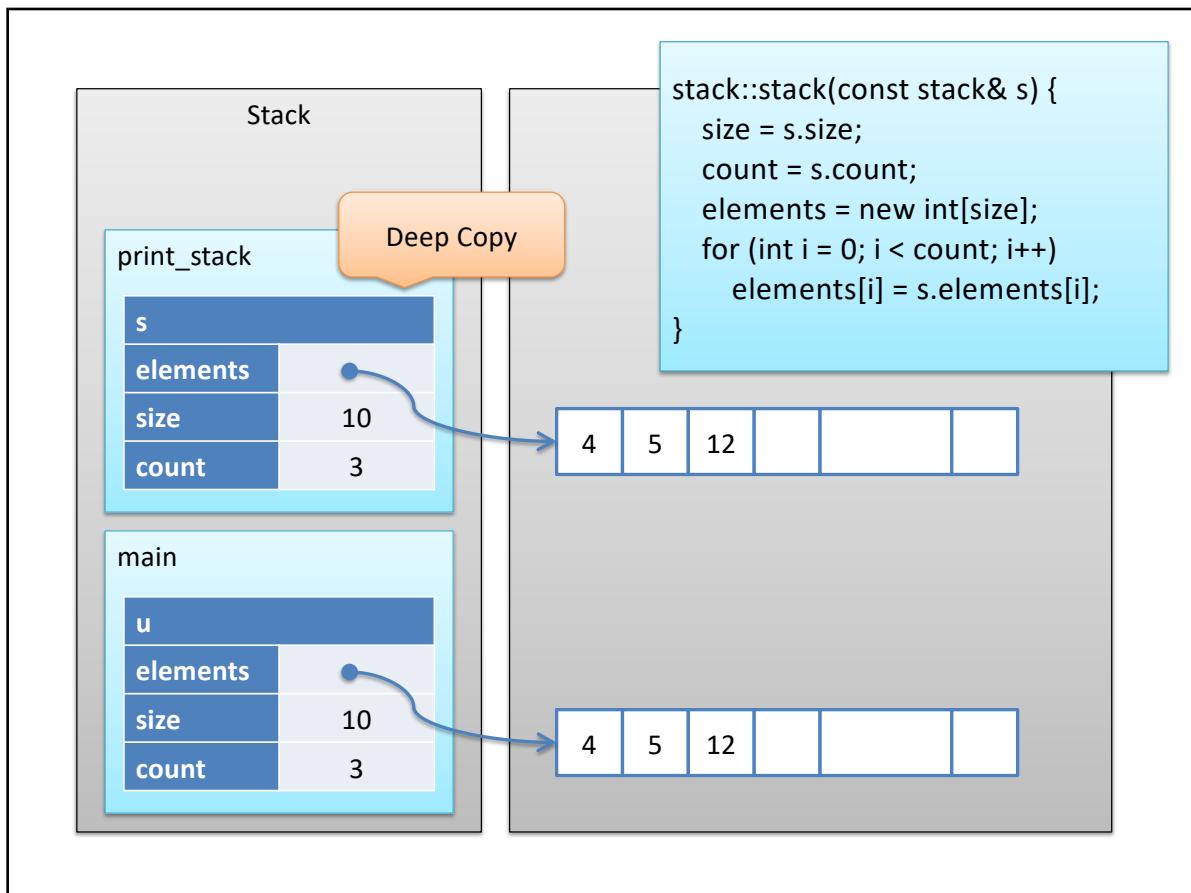
03\_CopyConstructor.cpp

## سازنده کپی

14



15



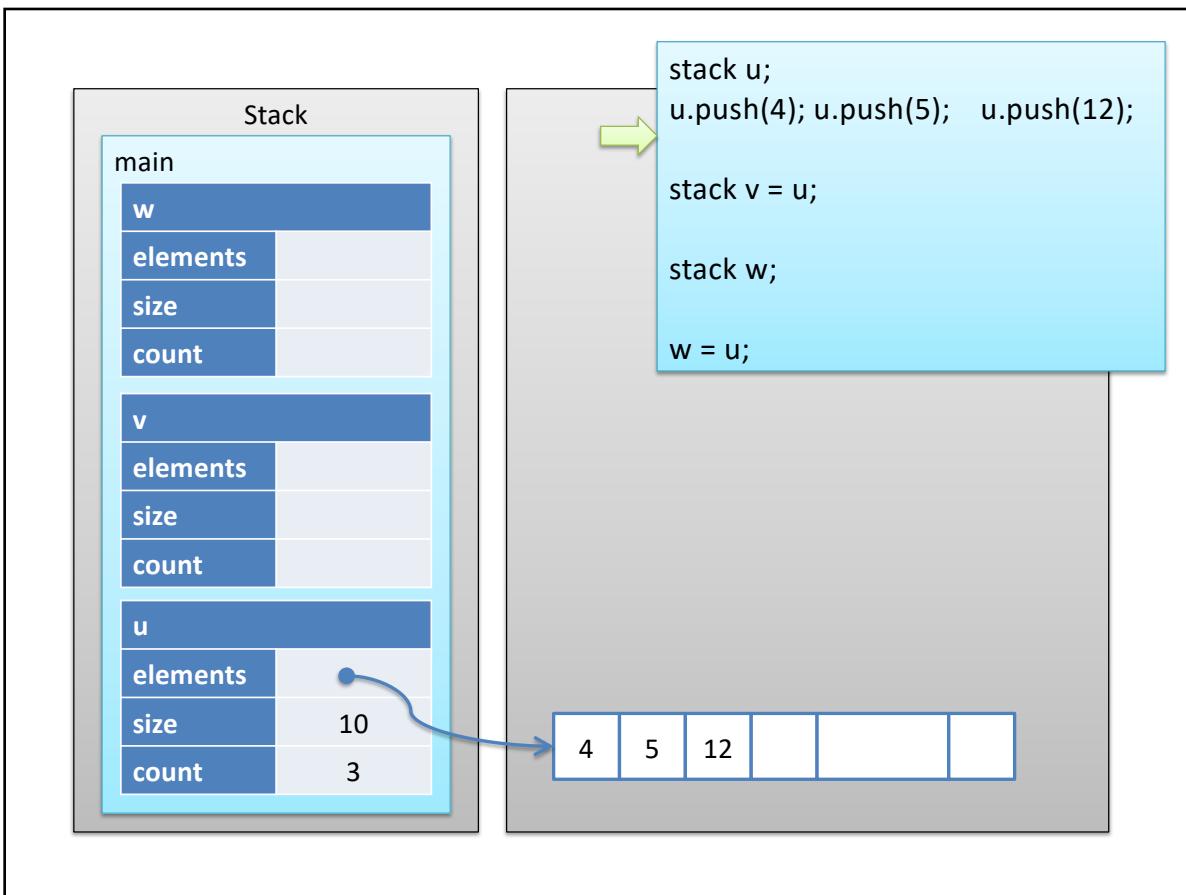
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## سازنده کپی و جایگزینی

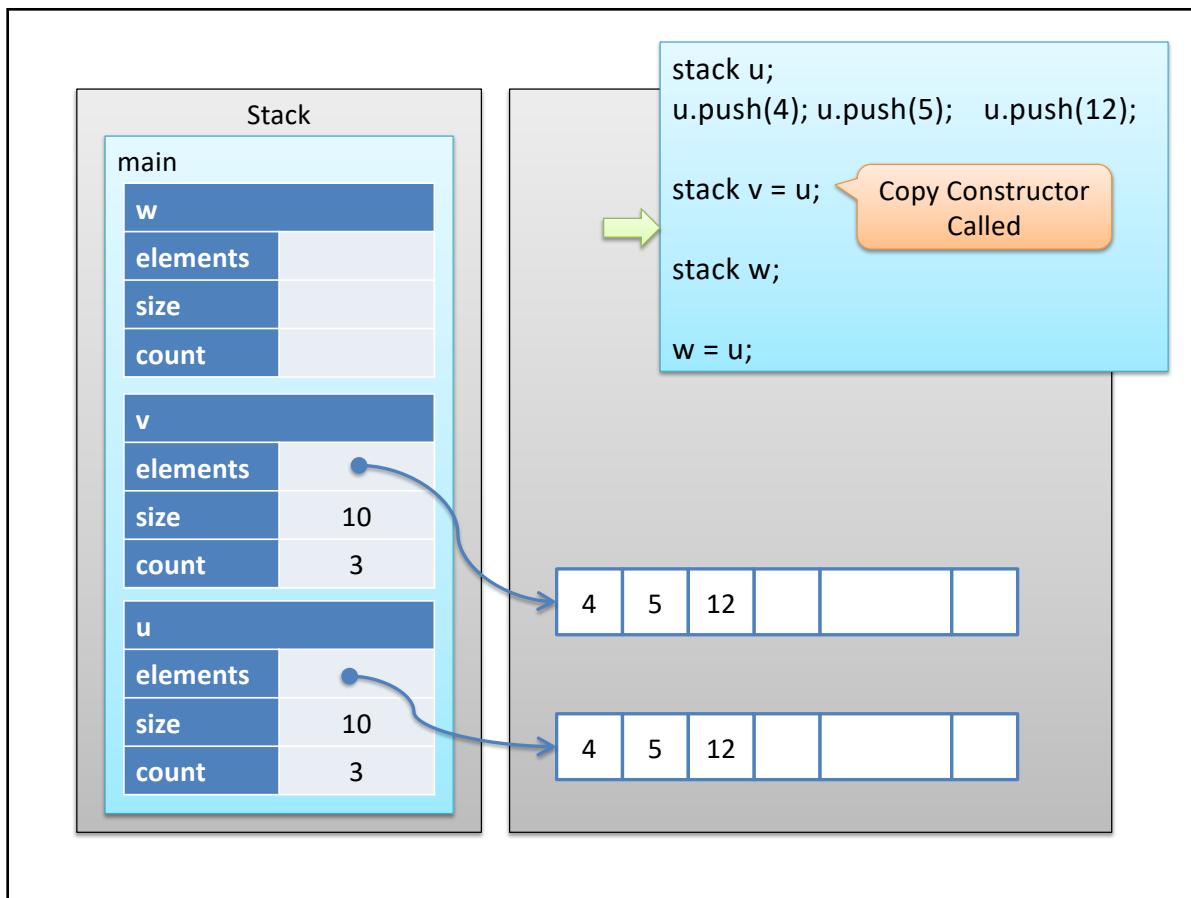
### Copy Constructor and Assignment

04\_CopyVsAssignment.cpp

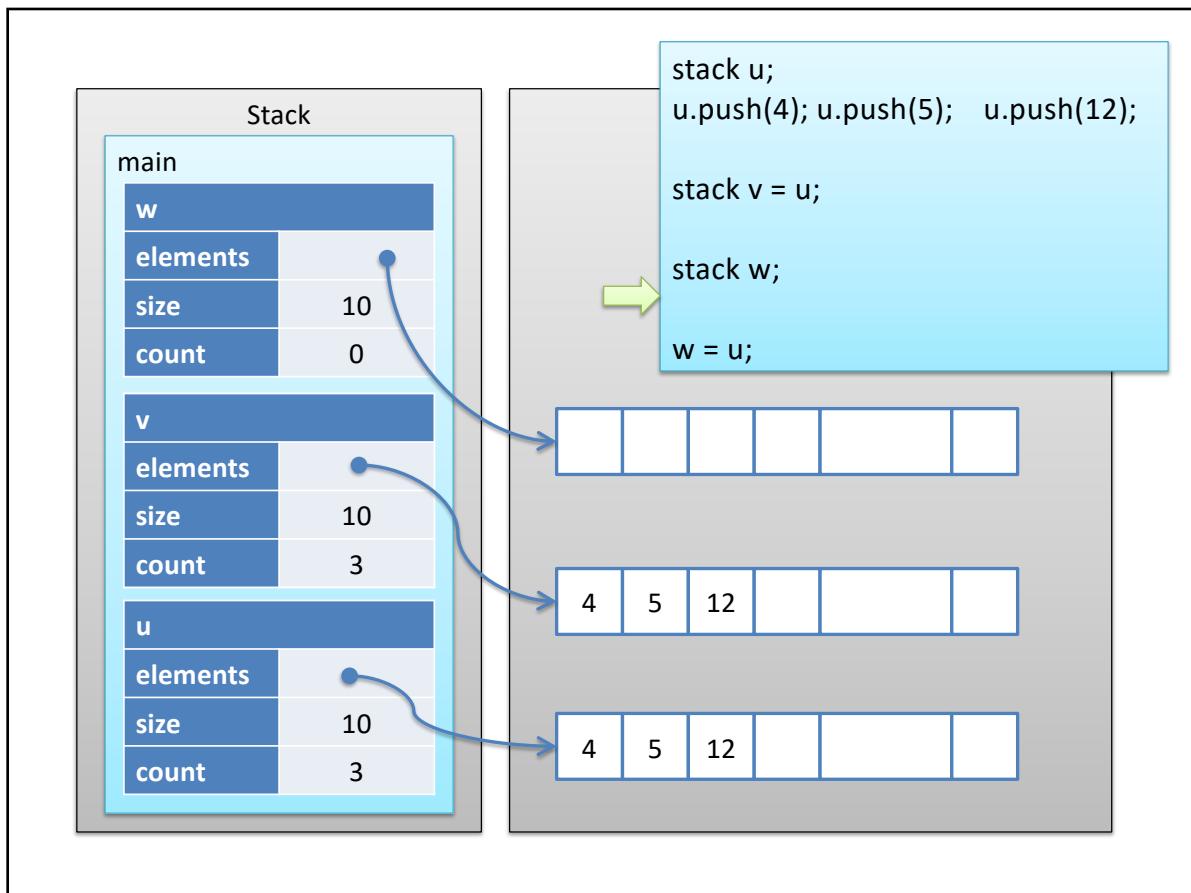
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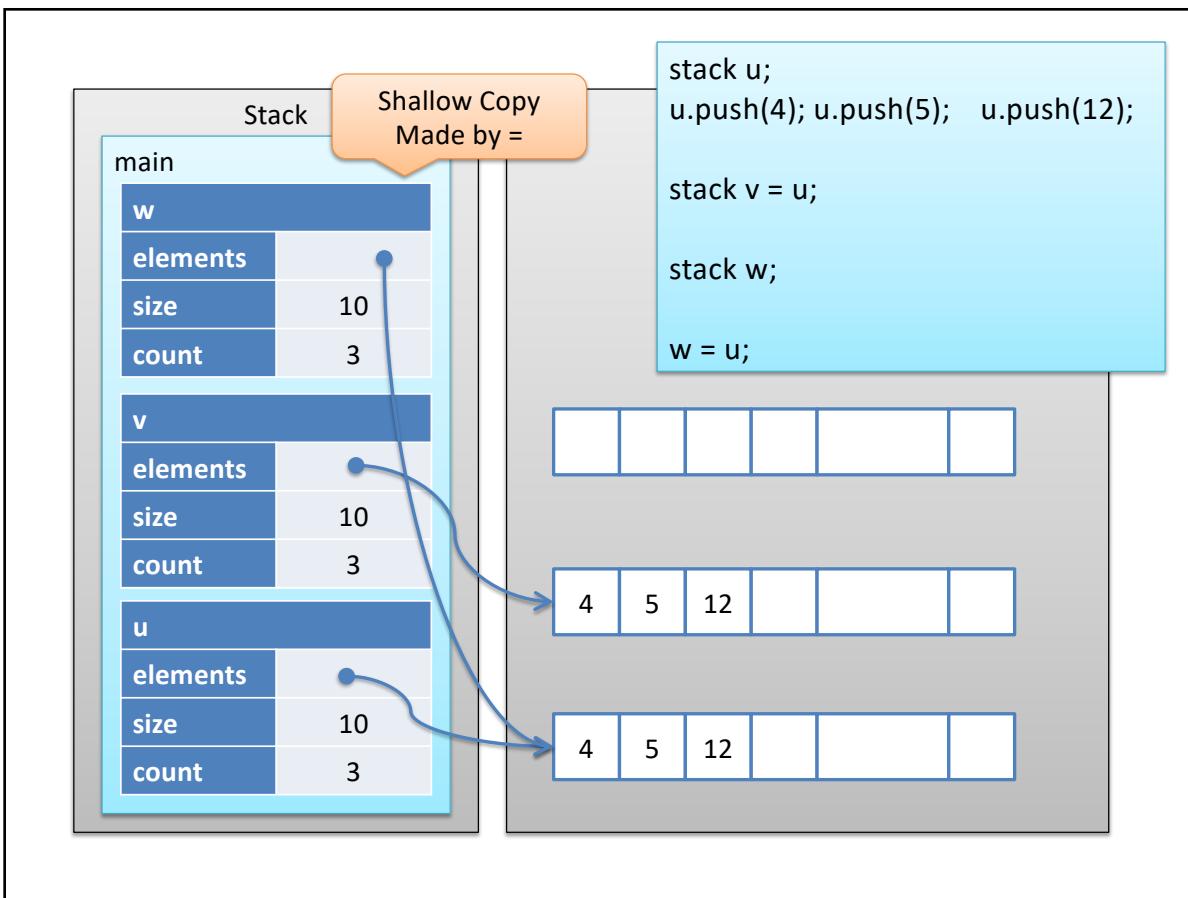
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19



20



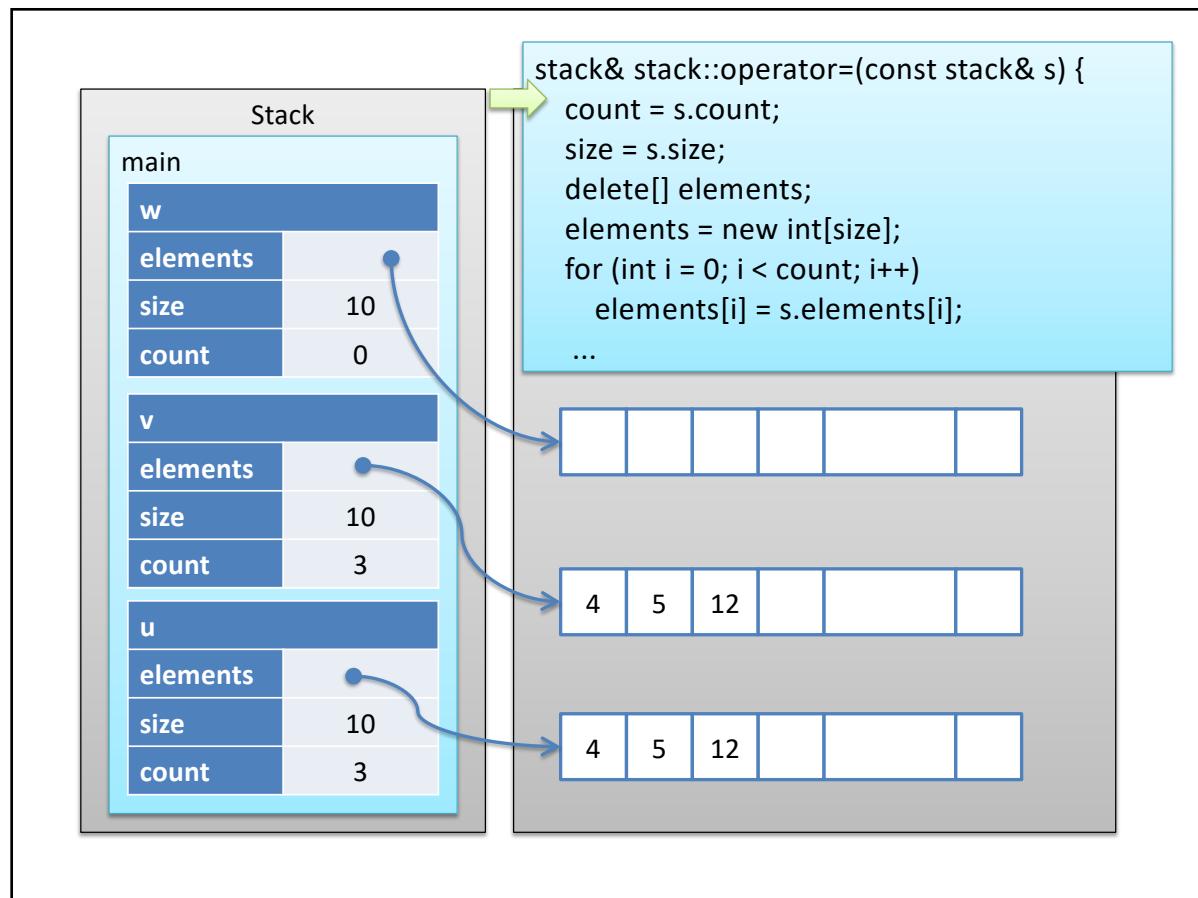
21

## Overloading Assignment

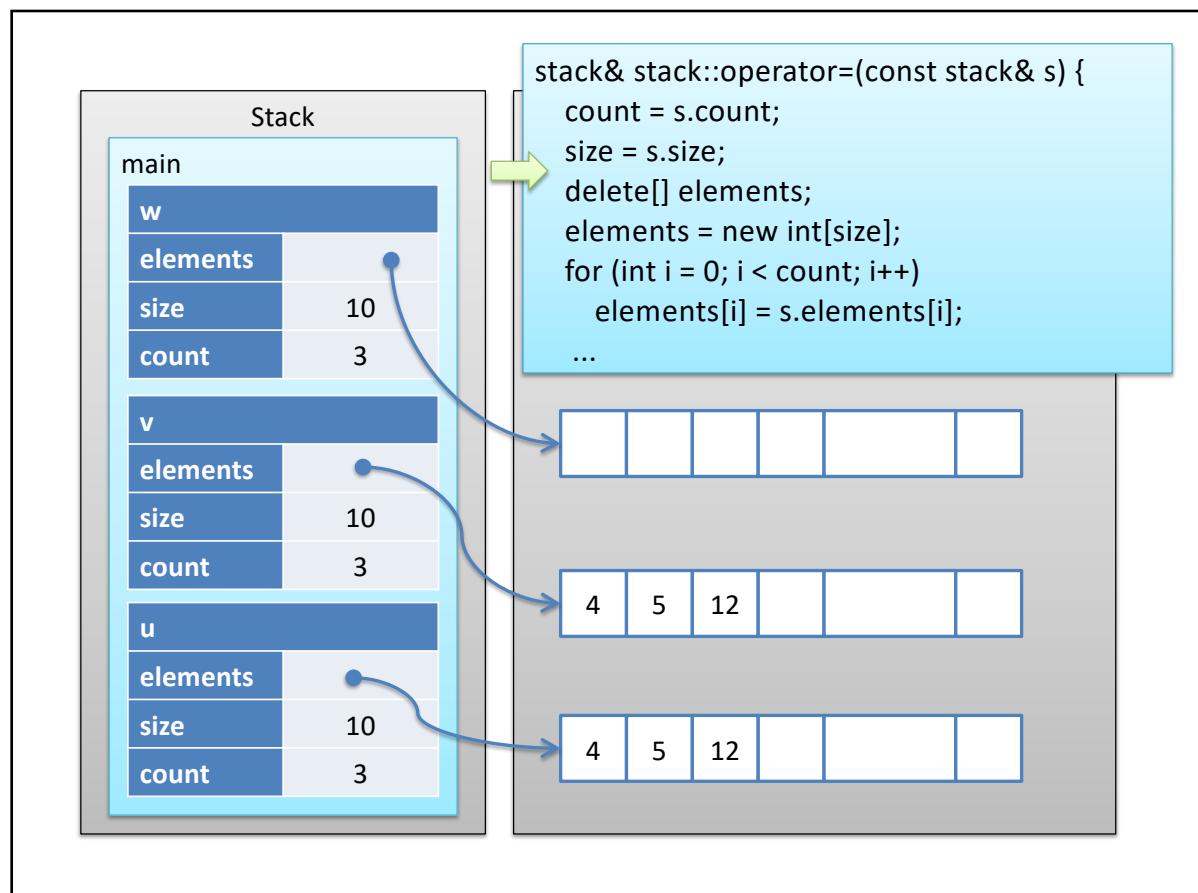
= سربارگذاری

05\_AssignmentOverload-Buggy.cpp

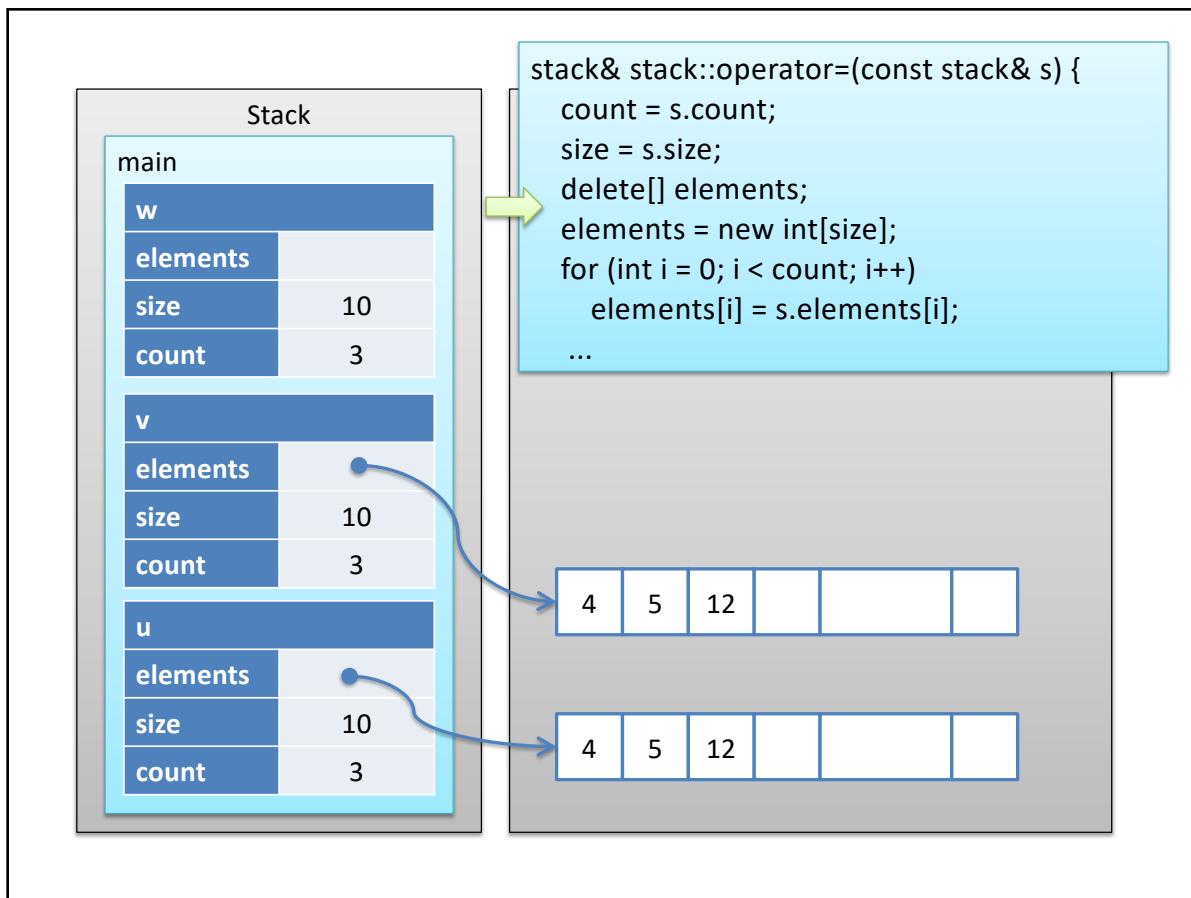
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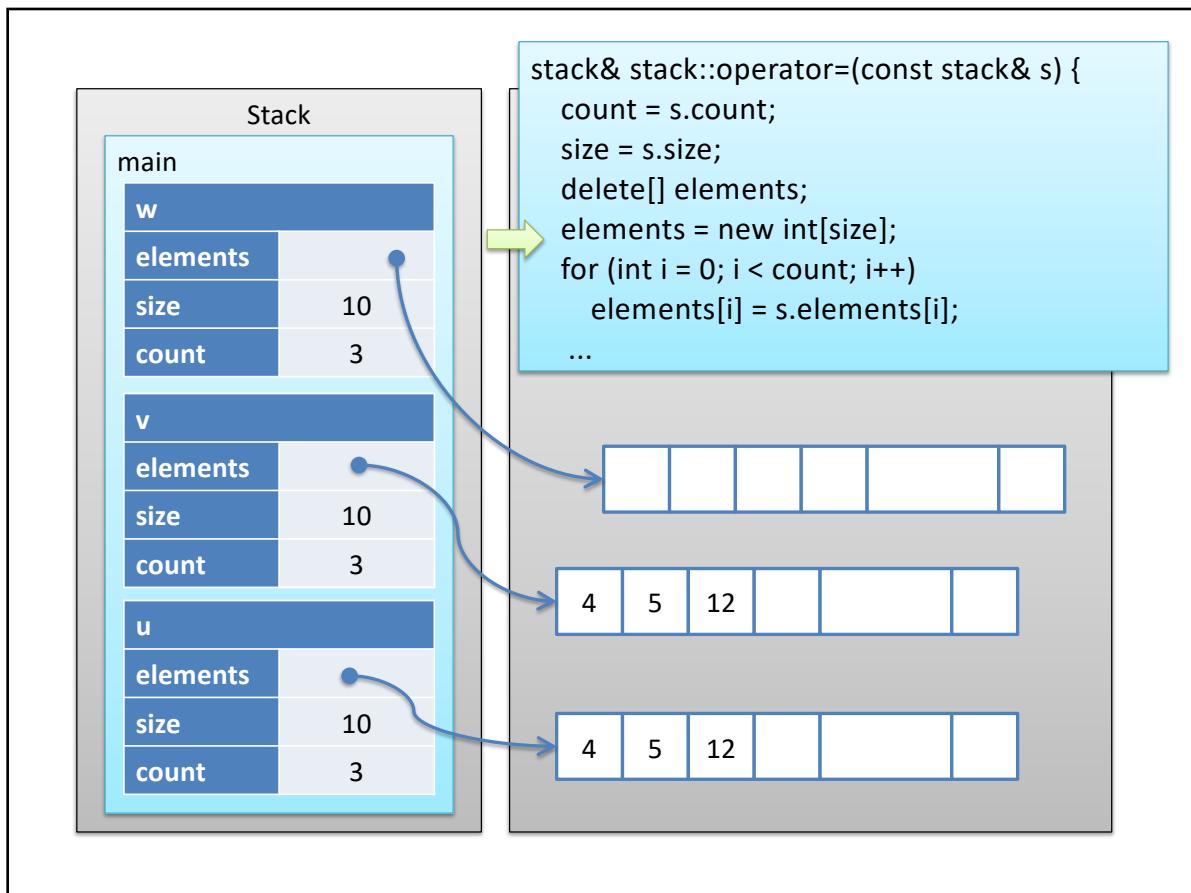
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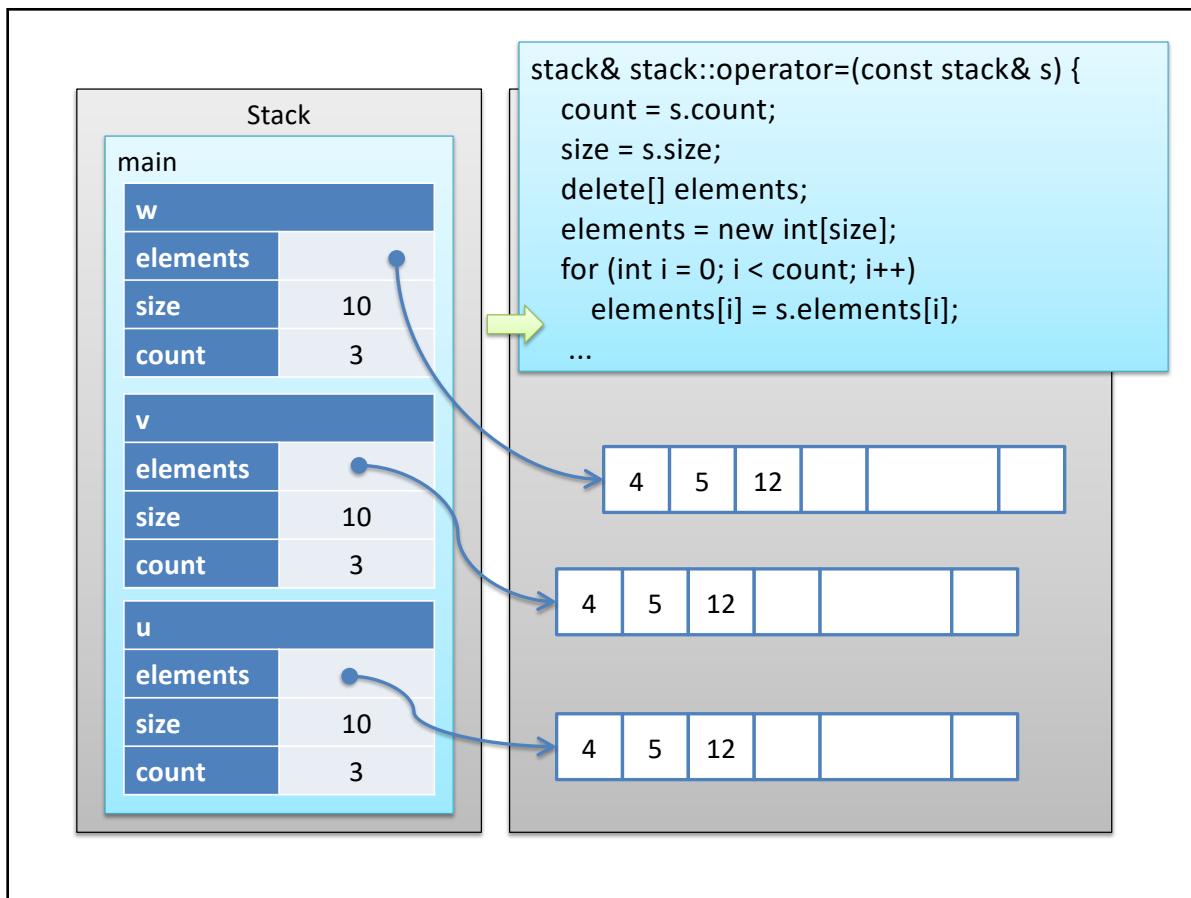
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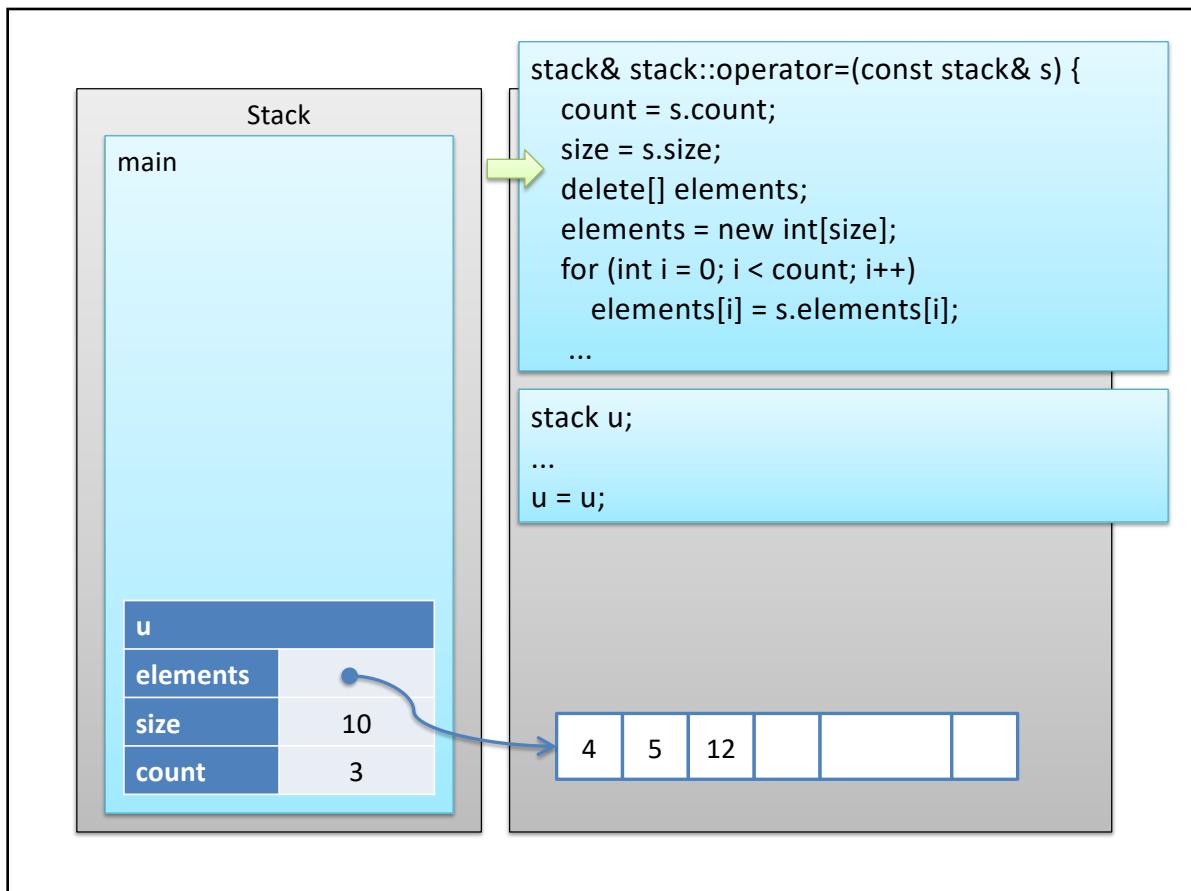
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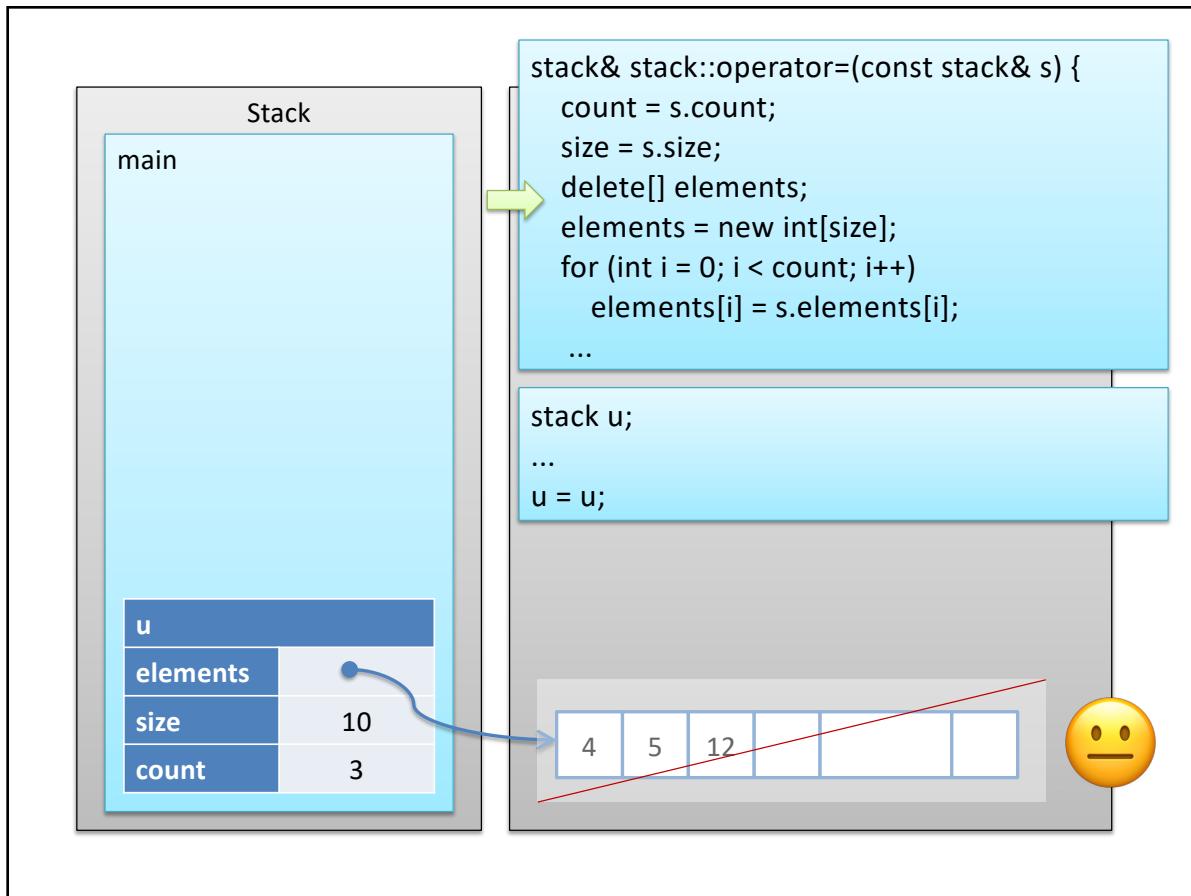
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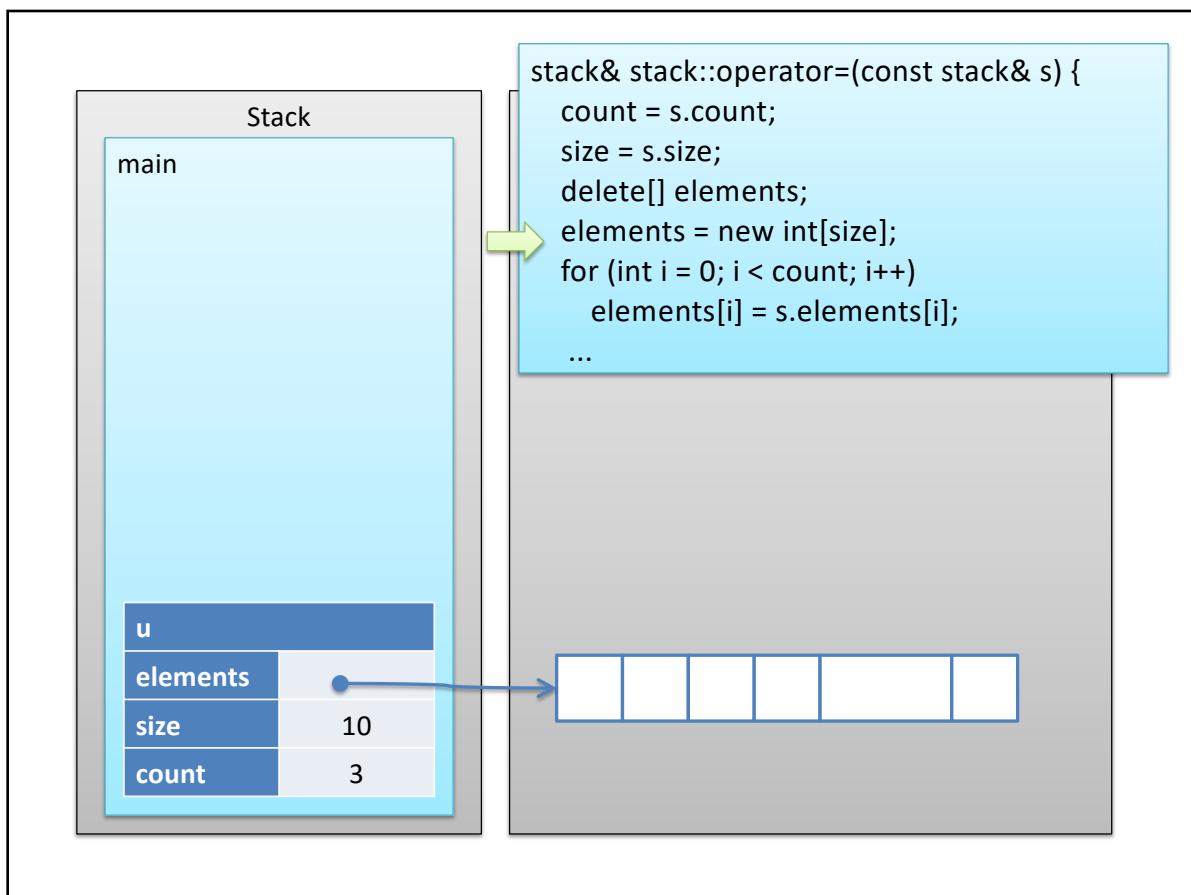
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28



29

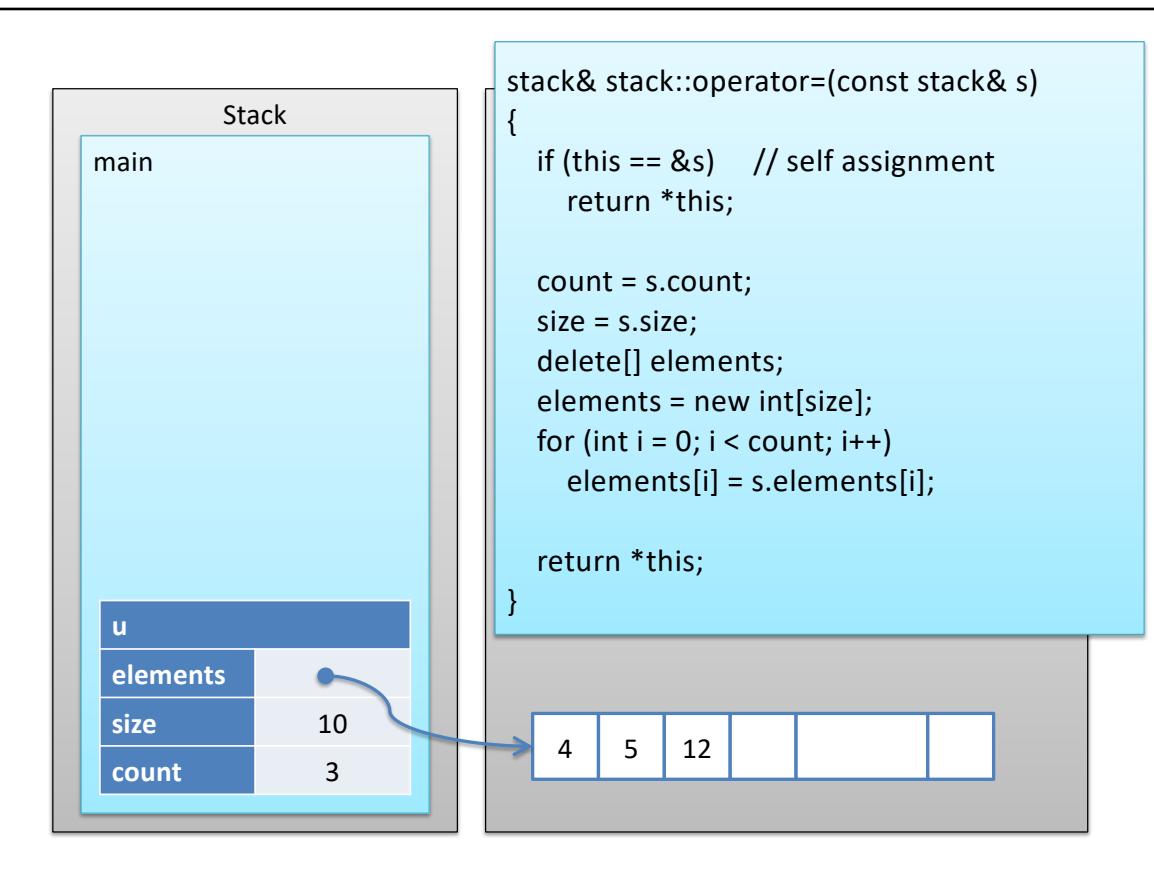


30

## رفع خطای سربارگذاری = Overloading Assignment Fixed

06\_AssignmentOverload-Correct.cpp

31



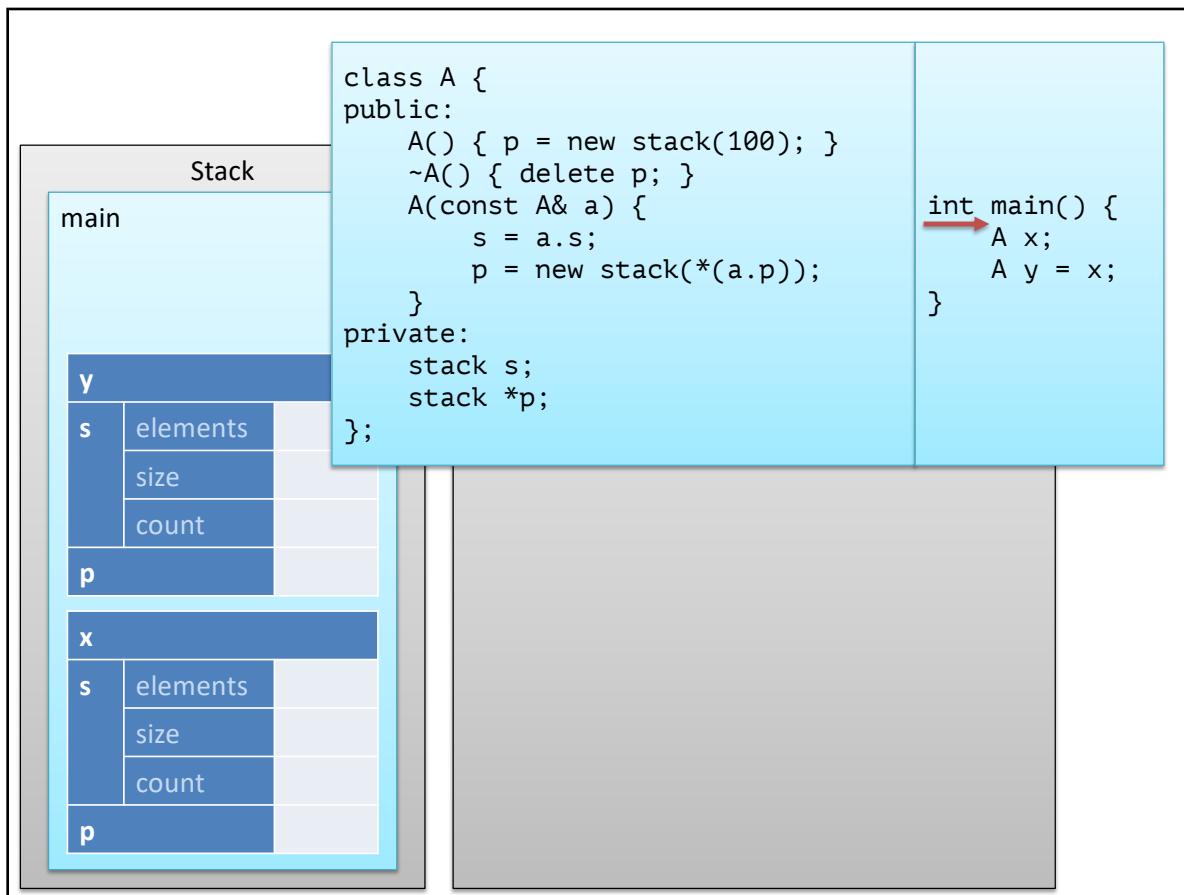
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## Allocating Objects in Heap

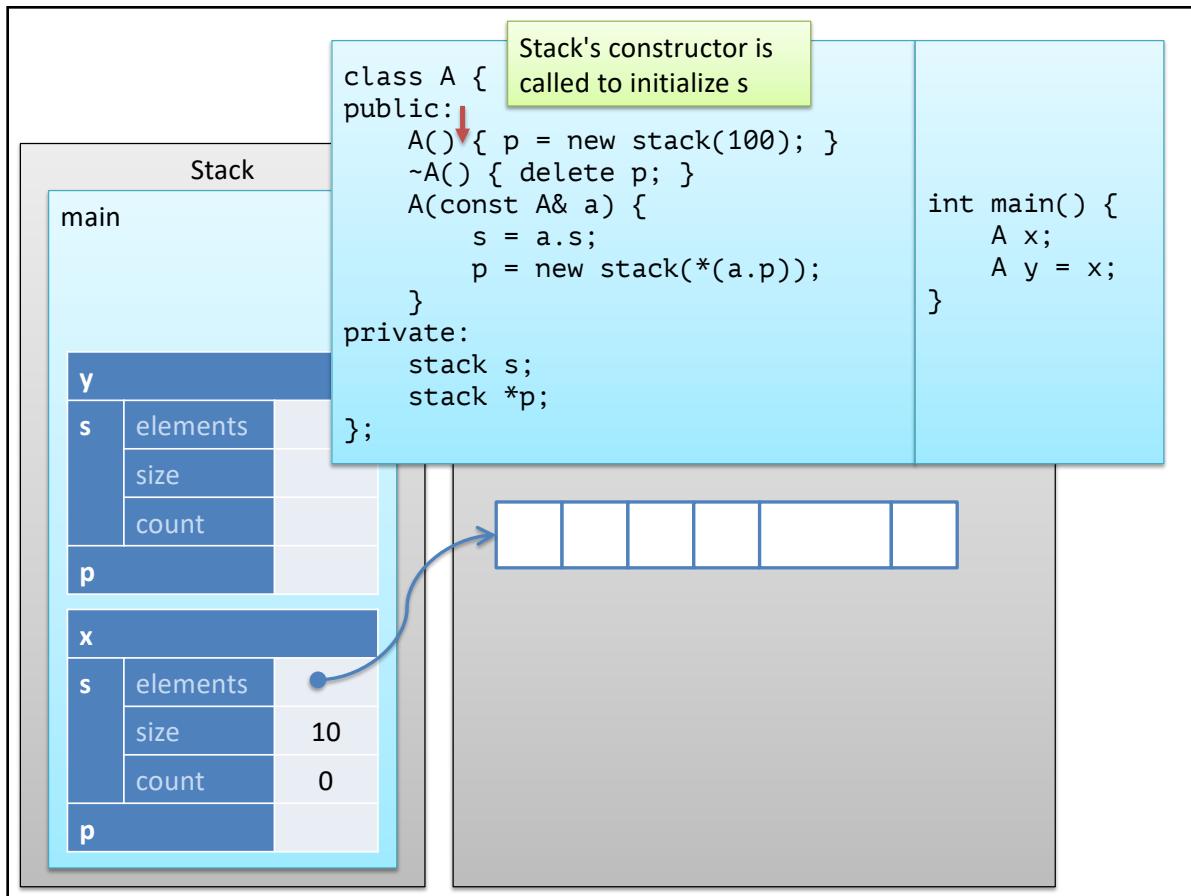
## ایجاد اشیاء در هیپ

07\_ObjectsOnHeap.cpp

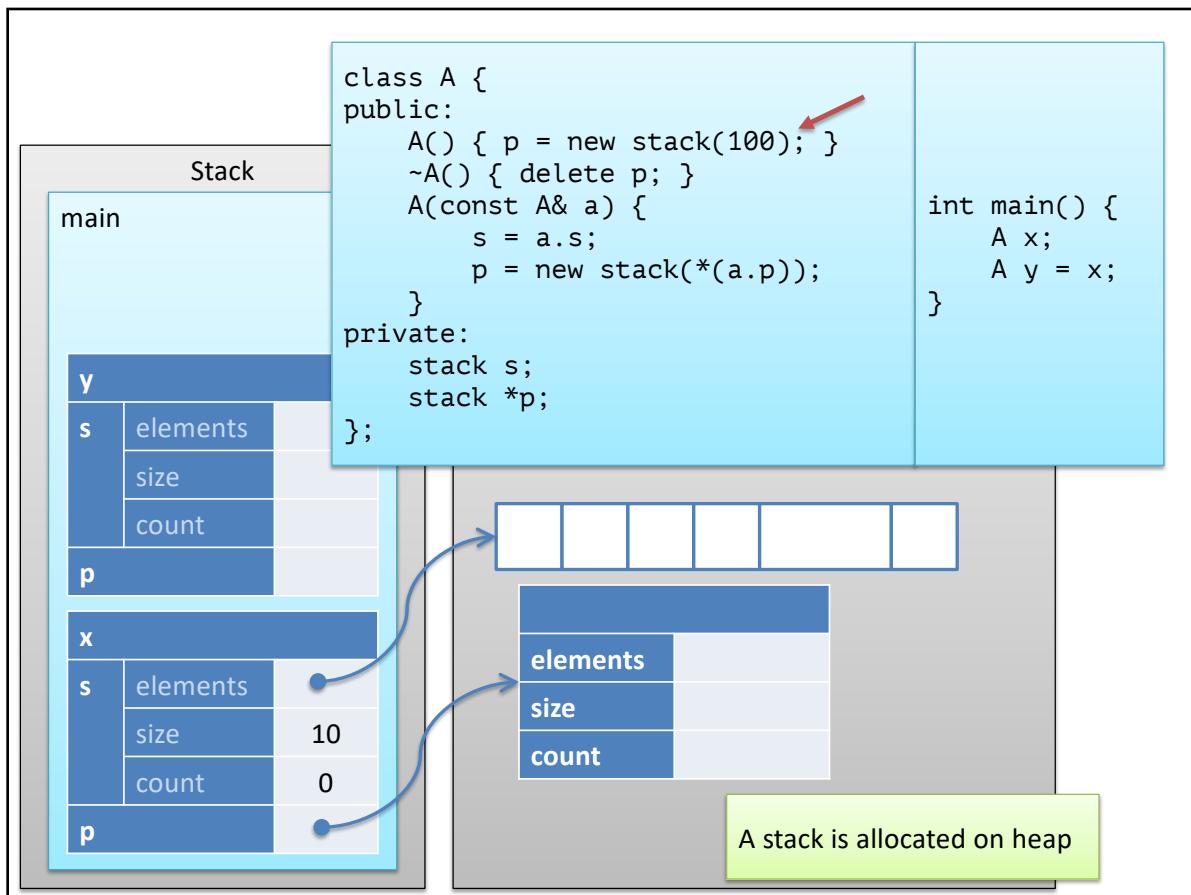
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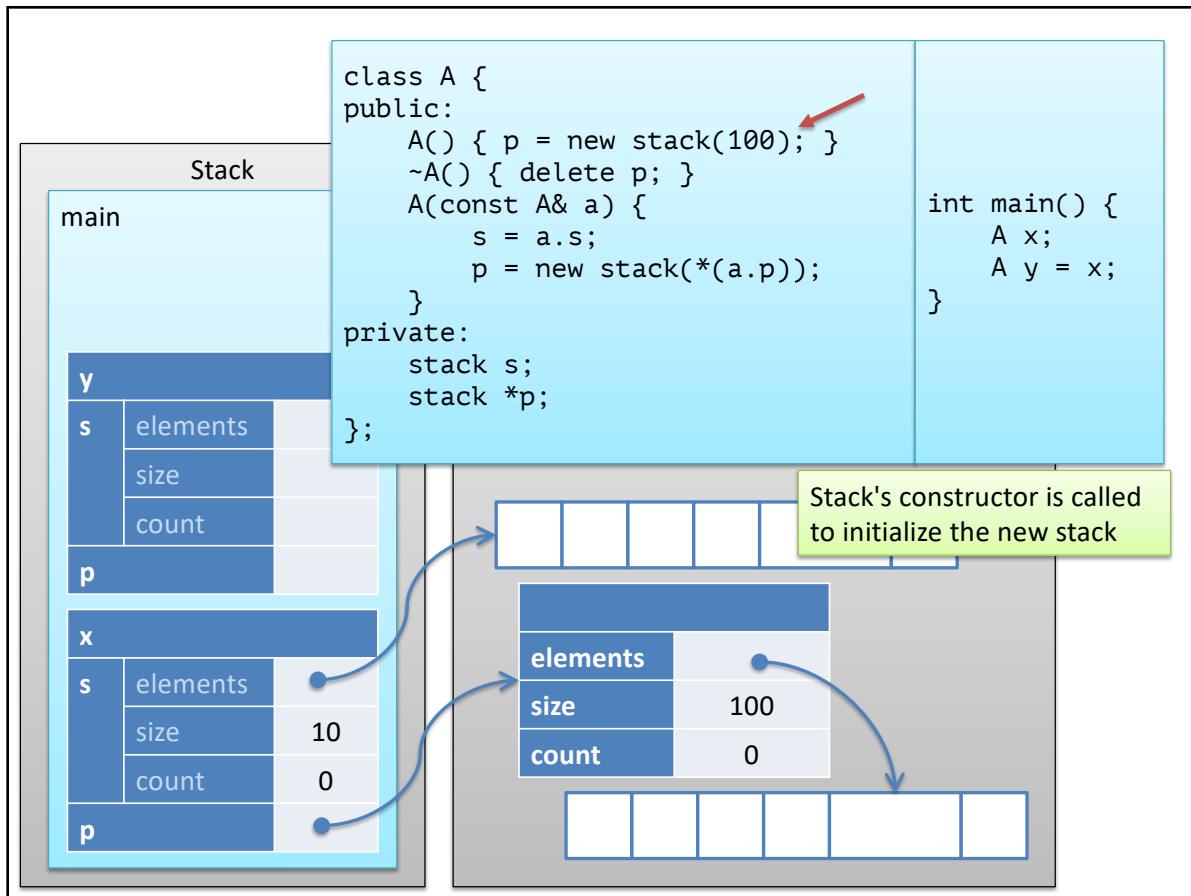
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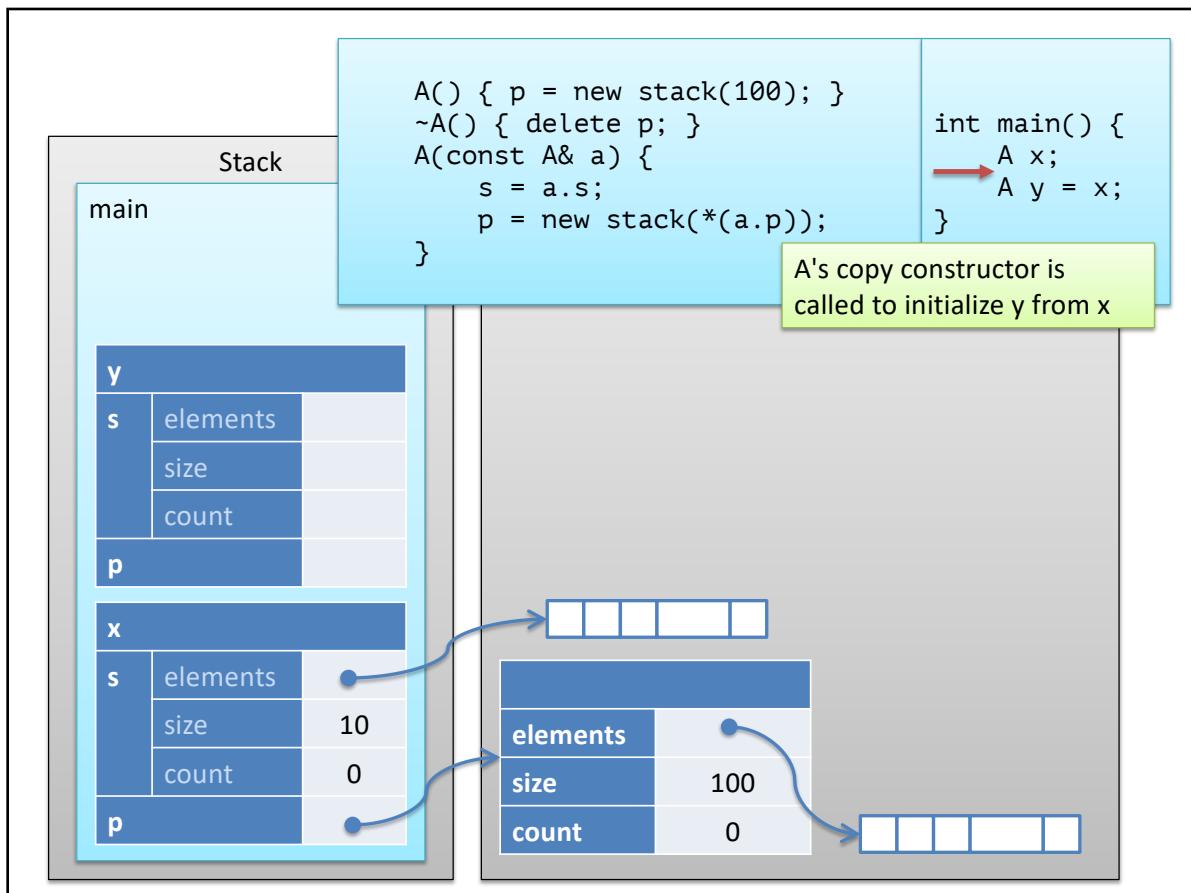
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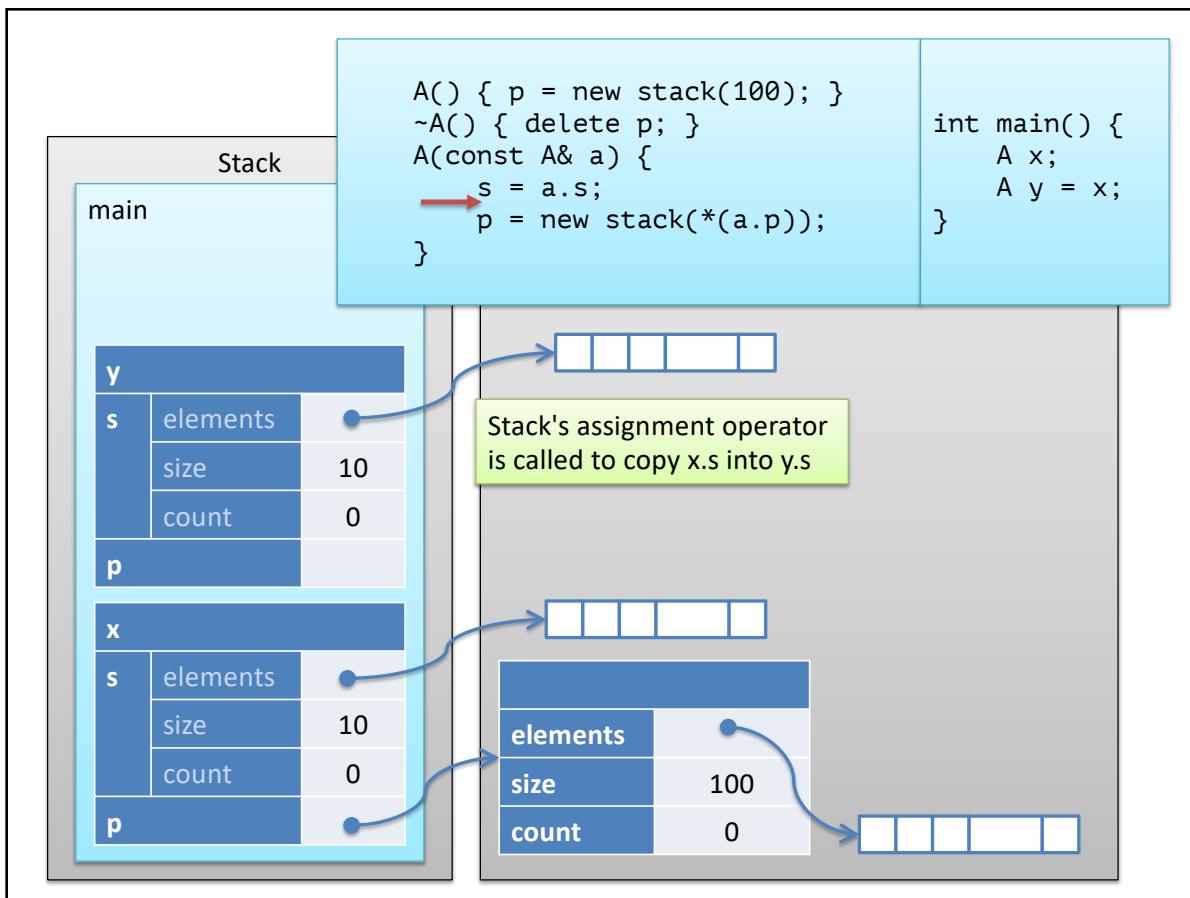
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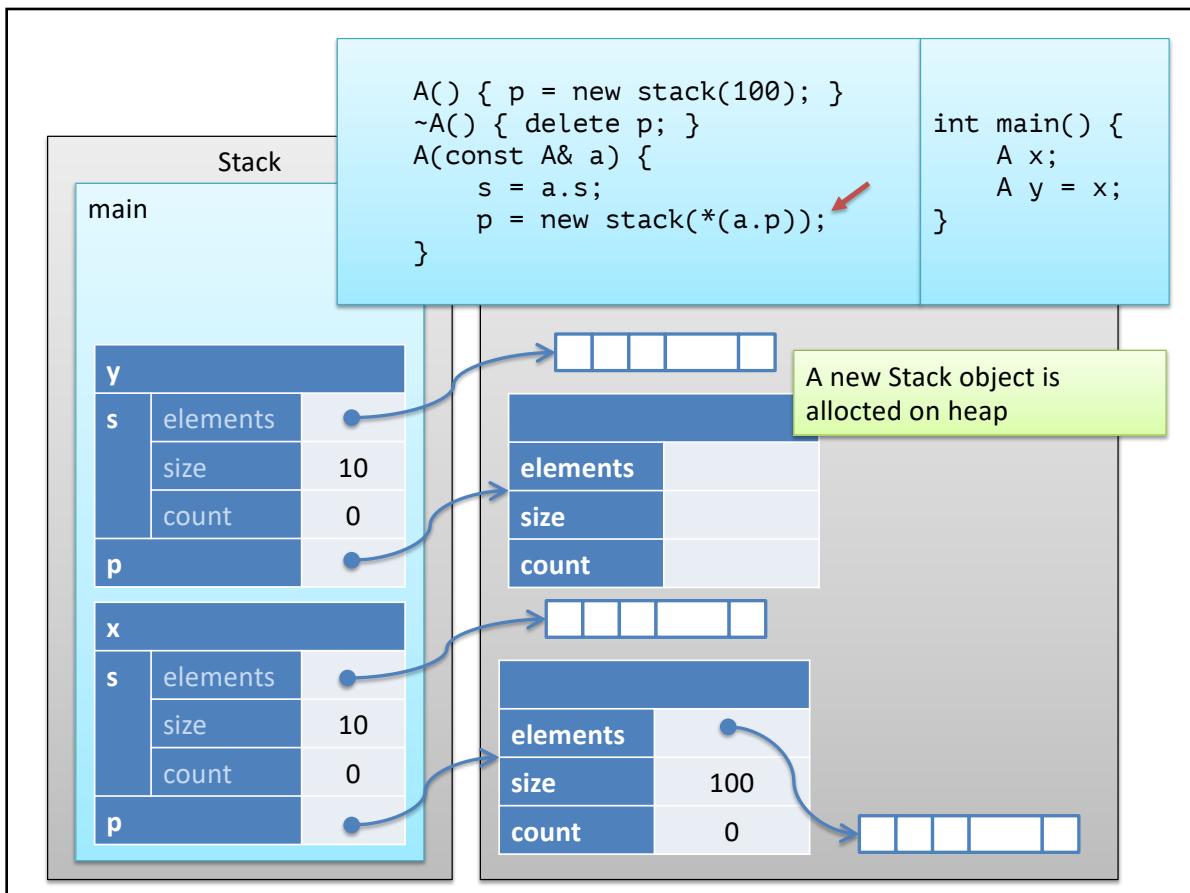
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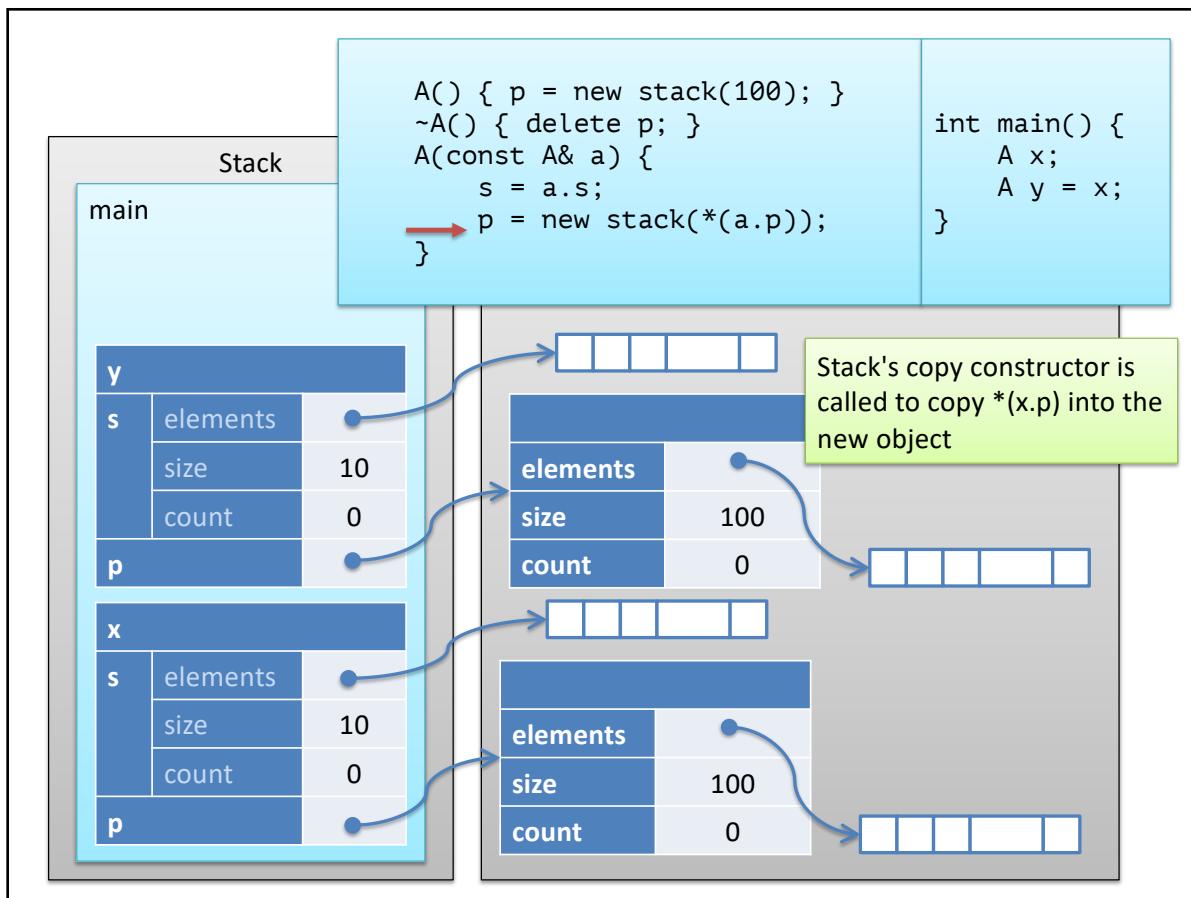
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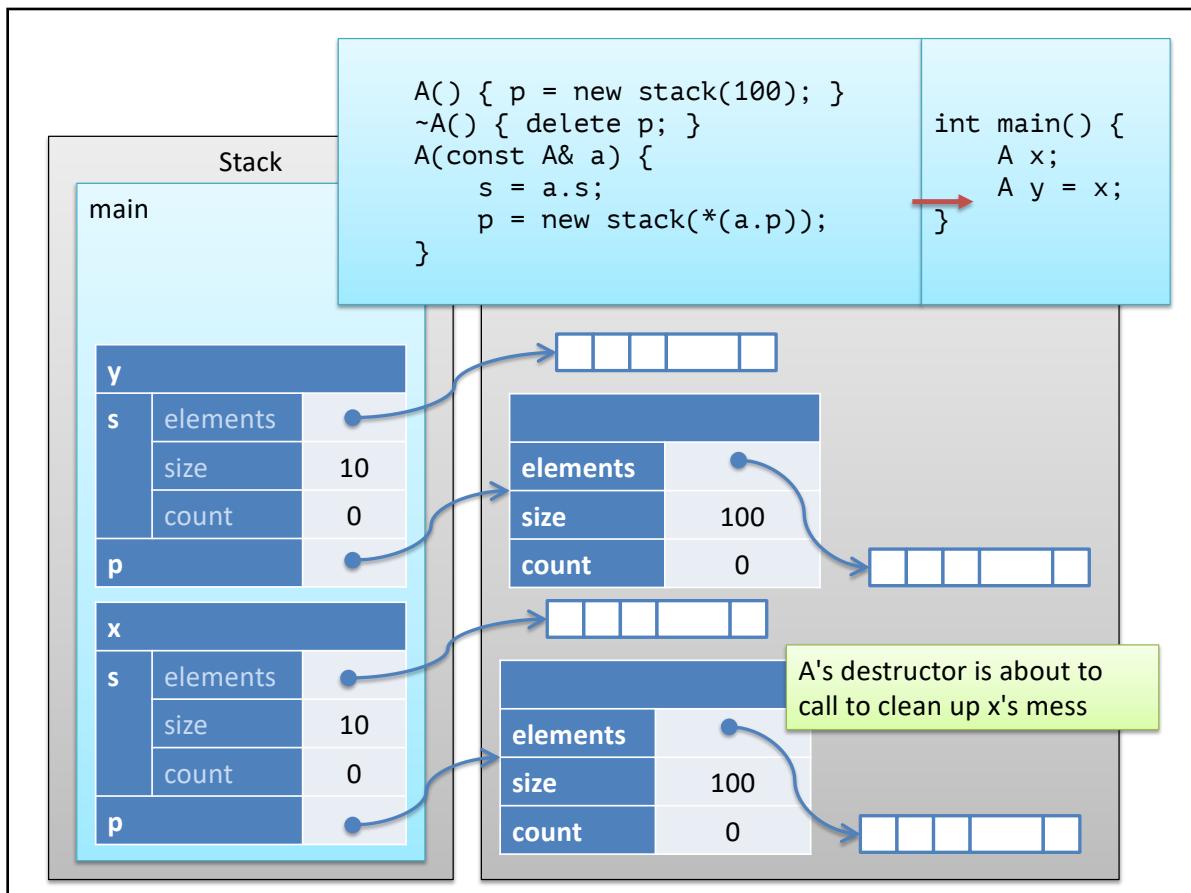
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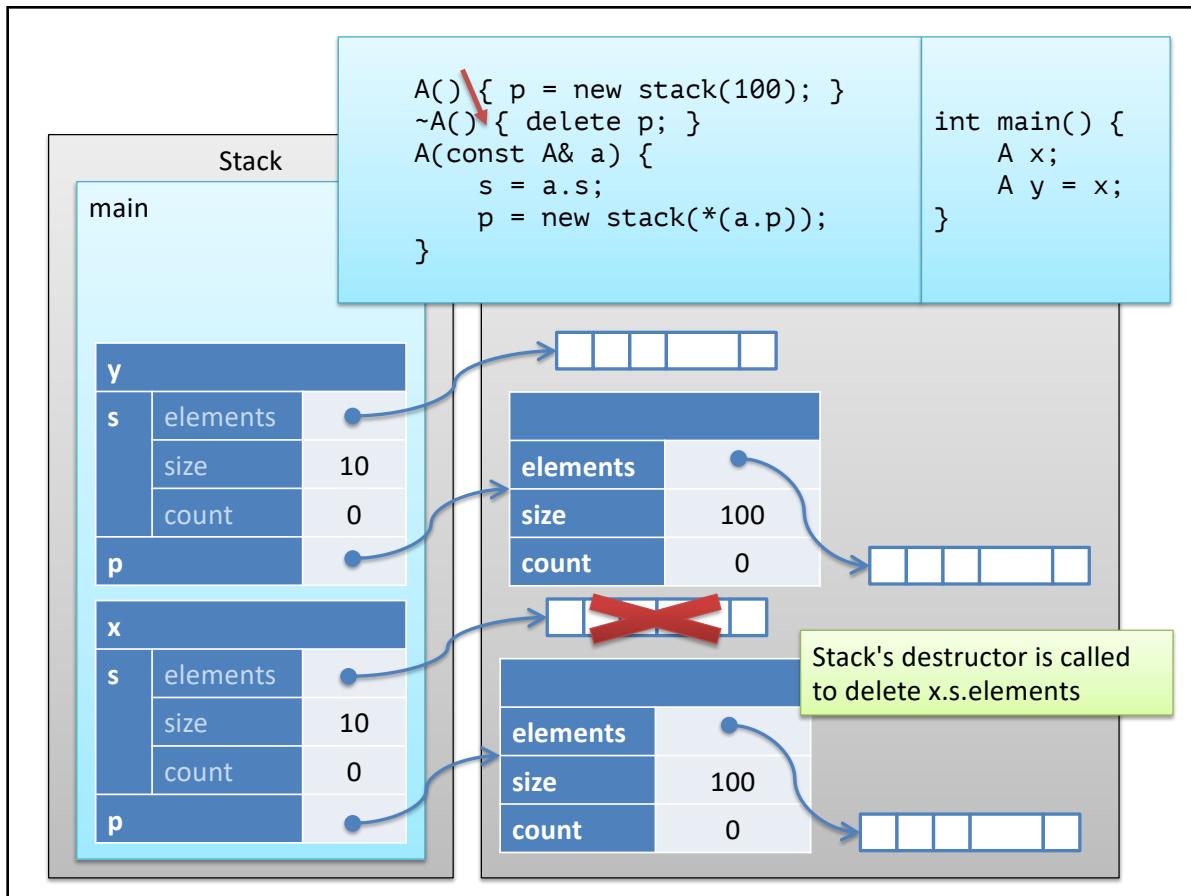
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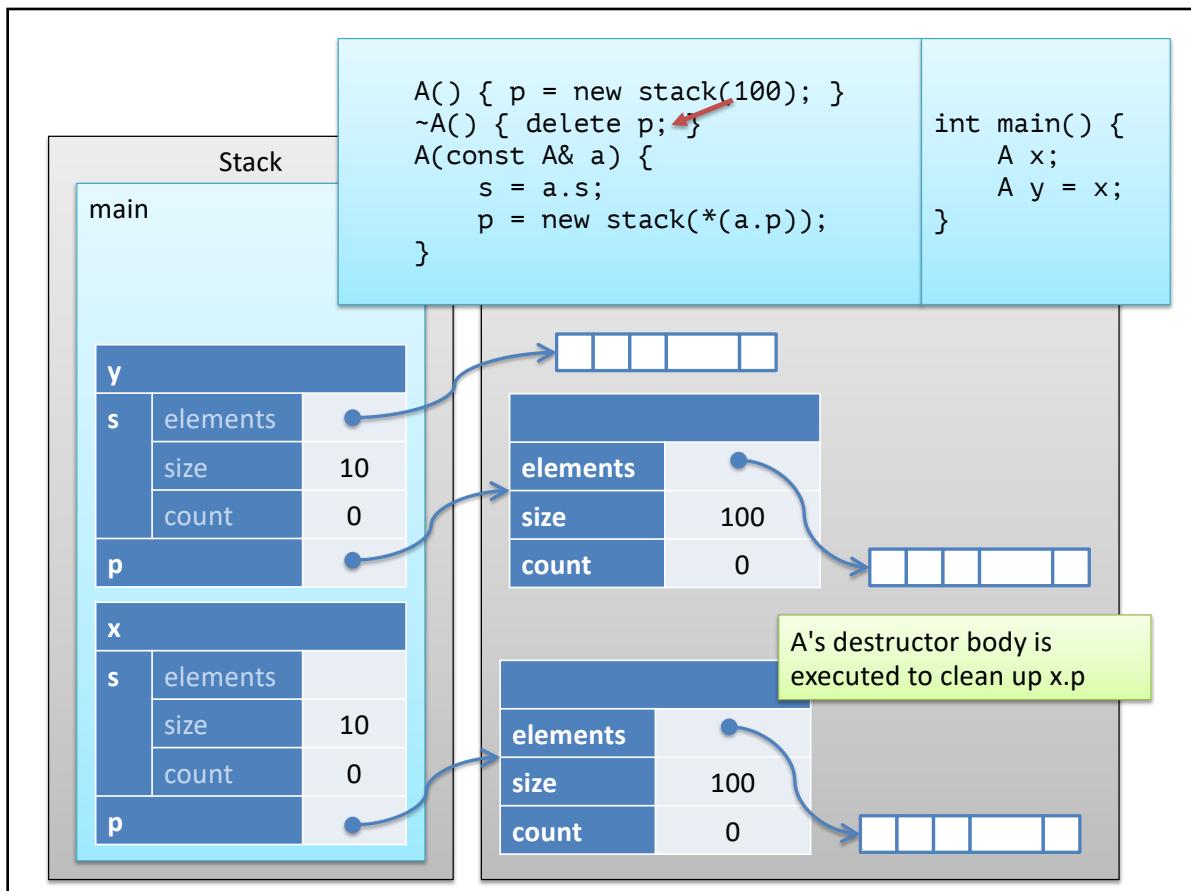
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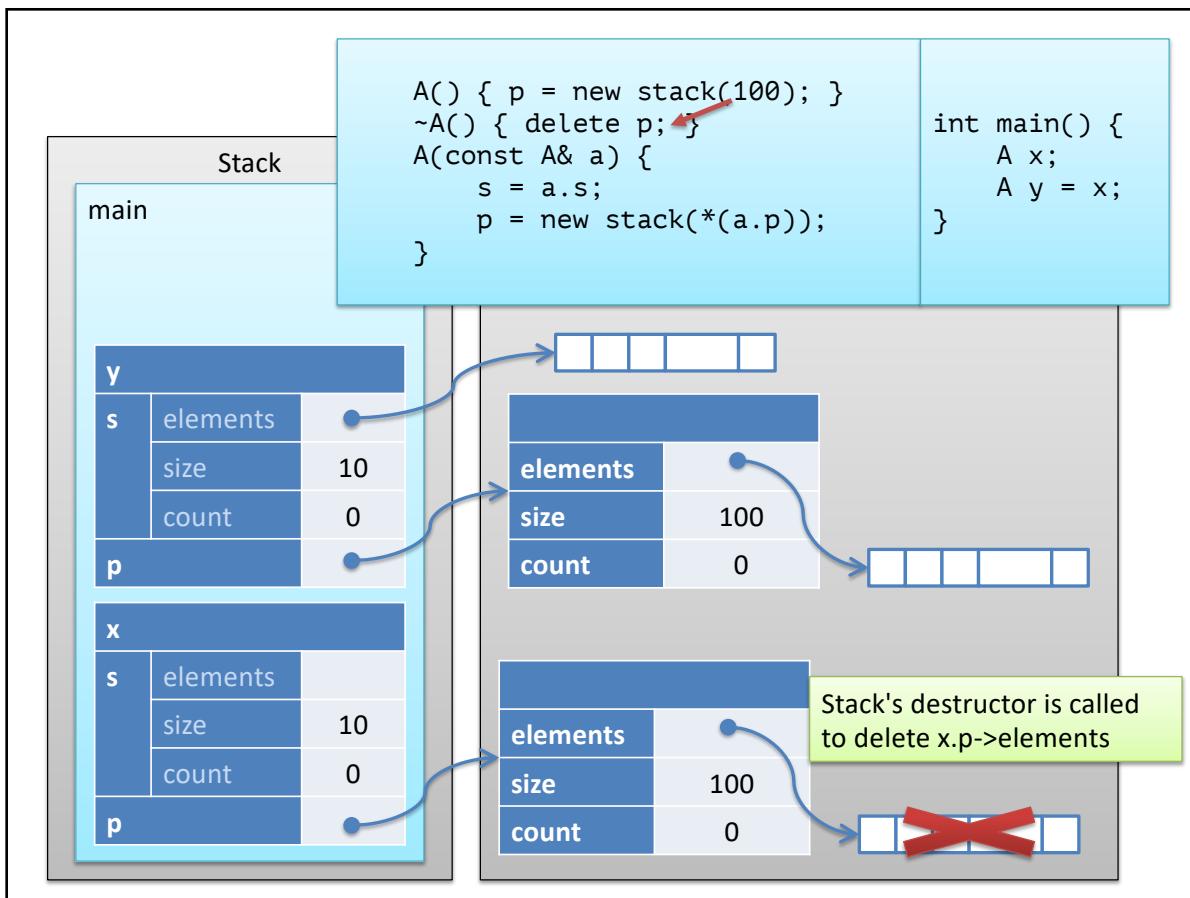
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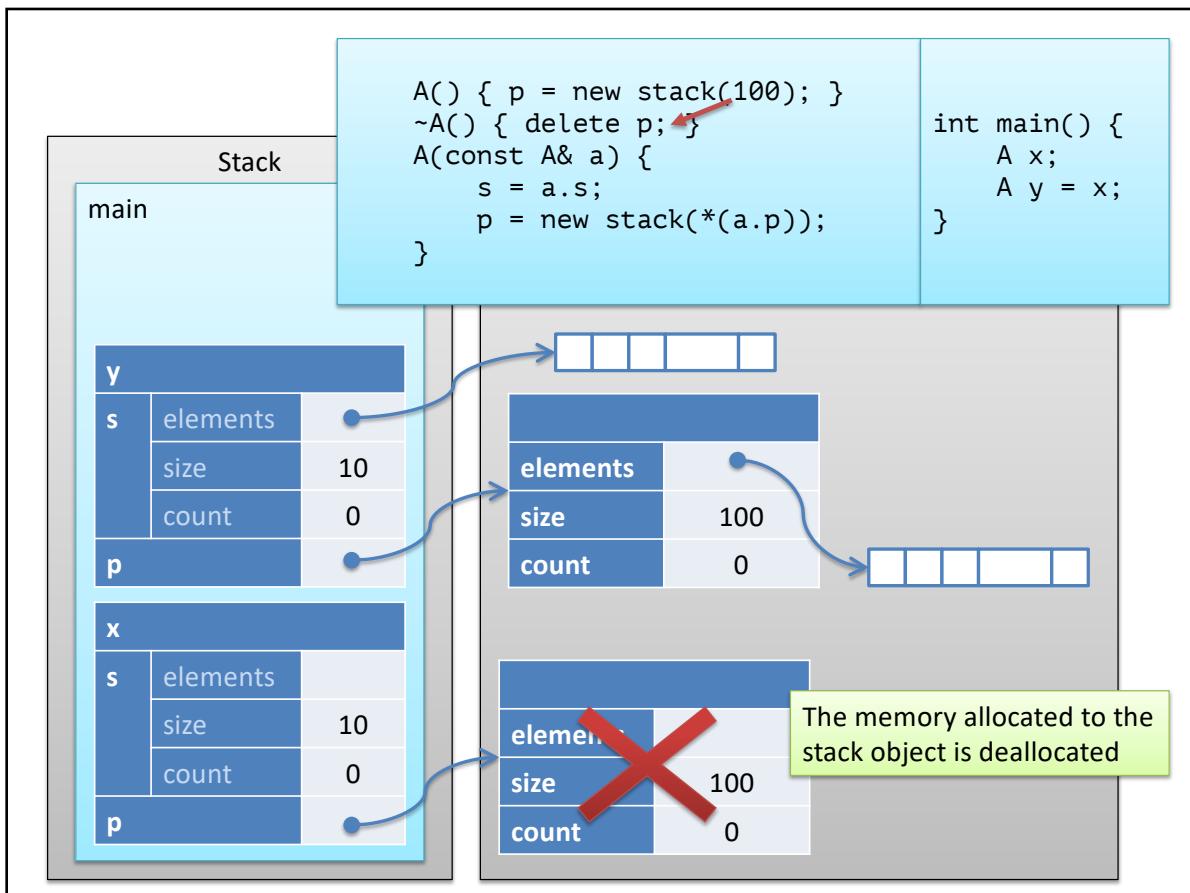
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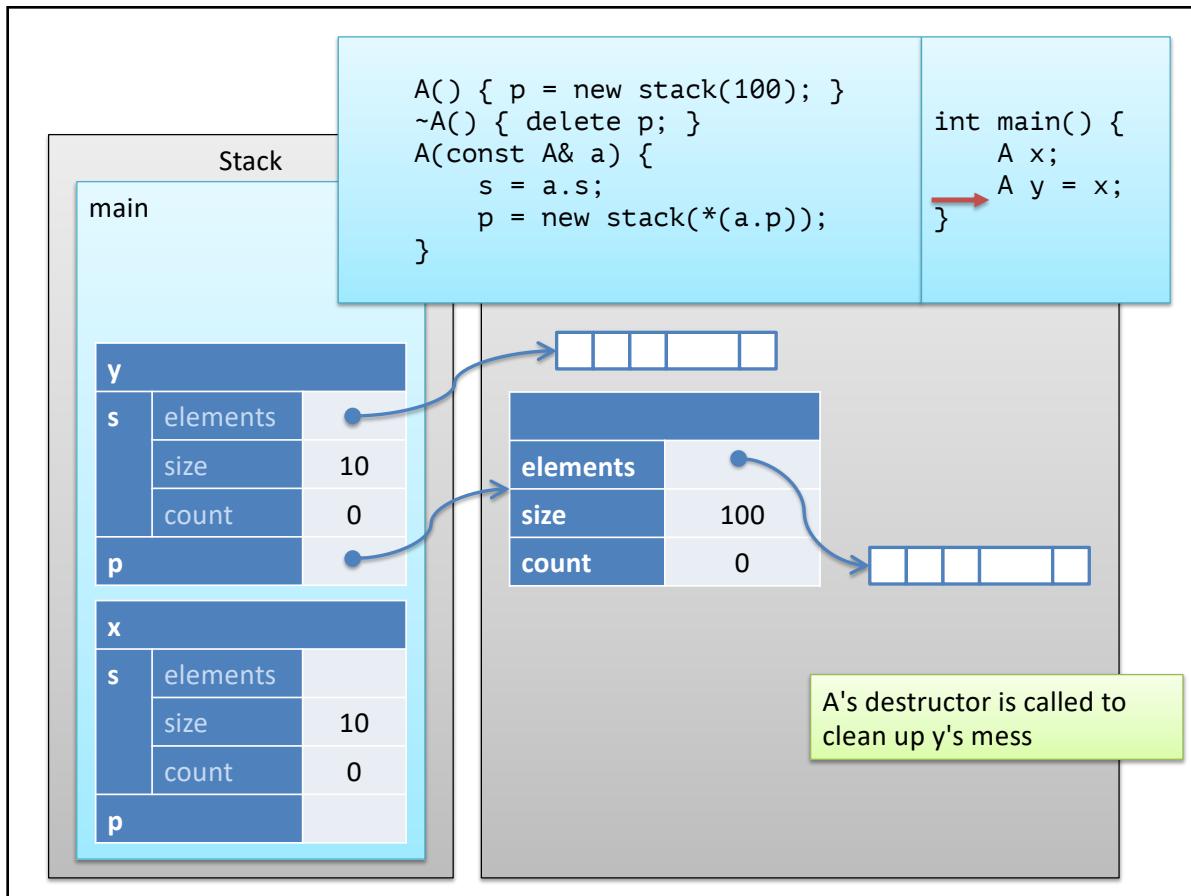
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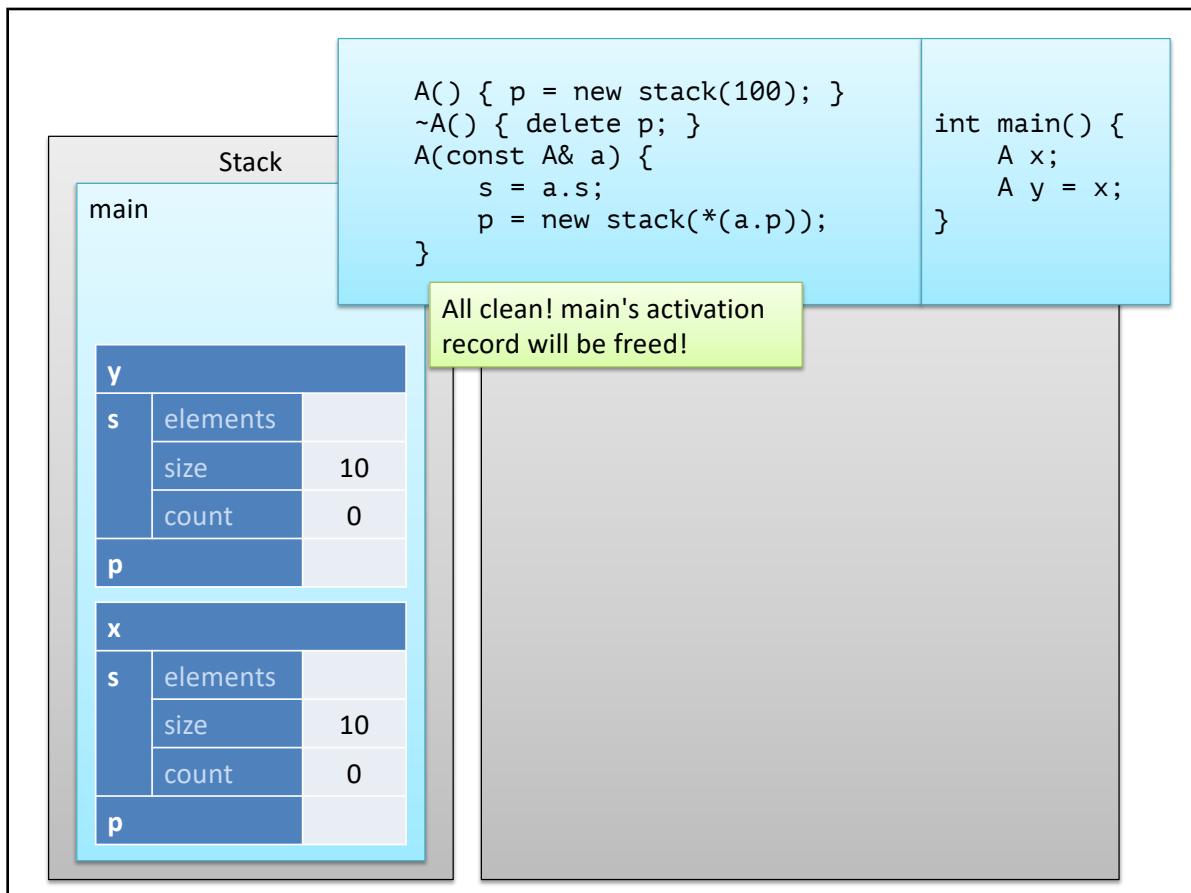
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46



47



48