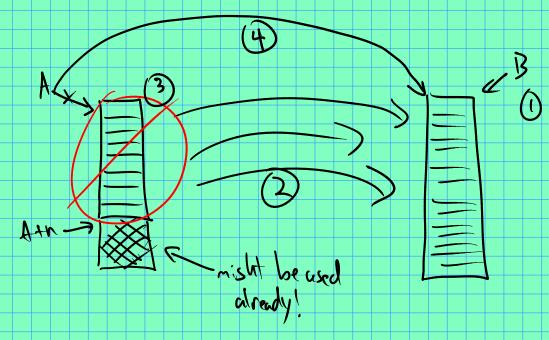


Dynamic Memory How to allocate nevery us a program runs? To dynamically allocate memory in C++, use the 'new' operator: inter p = new int; P = > = > Note: in general, you must release dynamically allocated monory once youre done with it.

How? Use "delete": delete p; You can also allocate loss blocks (arrays): int n; int * A = new int [n]; 11 allocates block
11 of n integers. // to recycle the array: delete [] A; Exercise: "grow" a dynamically allocated array.



High level steps:

O Allocate bisso array B.

(2) Copy from A into B.

3 recycle old A

Fredirect A to point to B

void resize (int x & A, 5:20_t n, sizet newsize)

int X B = new int (newsize]; 10

for (spect i= 0; ic N; i++) // (2)

delte [] A; //B

A=B; // (4)

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