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// 368 Worksheet: Special Functions
struct Coord{float x; float y;};
class Path {
public:
  Coord* coords = nullptr;
  int size = 0;
  Path(int size) : coords(new Coord[size]), size(size) {}
  ~Path() {
    if (coords)
      delete coords;
  // defined elsewhere...
                                        // A:
  Path (Path&& other);
  Path (const Path& other);
                                        // B:
  void operator=(Path&& other);
                                       // C:
  void operator=(const Path& other); // D:
};
int main() {
  Coord arr1[10];
  auto arr2 = new Coord[10];
  Path p1{10};
  auto p2 = new Path{10};
  delete path2;
}
1. Could we change Path p1{10} to Path p1=10?
   (a) no (b) yes: behavior will change (c) yes: it doesn't change anything
2. Indicate whether each of the following is on the stack (S) or heap (H):
  arr1 ( ) *arr2 ( ) p1 ( ) *p1.coords ( ) *p2 ( ) *p2.coords ( )
3. Indicate whether each is released (\checkmark) or leaked (x) before the end:
  arr1 ( ) *arr2 ( ) p1 ( ) *p1.coords ( ) *p2 ( ) *p2.coords ( )
4. Write the names of the special functions above in the comments.
5. What is the type of std::move(p1)?
6. What special function would Path p3 = std::move(p1); call?
```

7. What are three things the special function C should do?