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JTEM 17: Store newed objects in smoot pointers in standalone statements.
- ·
Int priority ()?
int priority ();  void processwidget (tx:sheed ptr (Widget) pur  int priority);  Call to browse widget
processWidget (new widget aprionity ()); - suronit compile
since new Widget do not return a type of tol: shared pto.
Je 1. shared = p10.
process Widget (std: trl: shared -por (widget)  (new widget) priority (1):
-> will Compile,
Before process Widget can be called, Compilers must generate code
to do flies!
2 Call to 1: "New widget"  2 Call to 1: " New constructor.
In order Right to left

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But compiler can choose to preform the steps in any may ( to generate Officient worke), one may end up I with below seguence of operato. (1) Execute " new widget" @ Call priority 2, Call trl: Scholed constructor. But consider if priority () yields or excerpm new Widget is already wated thus a memory leak scenario can happen. To avoid this, use depetate statement to create object and store it in Smalt pointer, the pass it to function Arl: shald ptr ( Widget > pw ( new wholget) pw, priority (). process widget I no memory leak