HW4 posted \( \Rightarrow \) due Thursday, Oct 25th (in class)

- Test 1 (in main room) \( \Rightarrow \) be here at 10:00am

- Thursday, Oct 25th: 10:10 - 11:40 am (1.5 hrs)
- Class work & hw
- Upto and including Chap. 3 (Chaps 1, 2, 3)
- Closed book + closed notes
- Equations, if appropriate, will be included in the test
- Tables (z, t), if needed, will be provided.
- Both quantitative & qualitative questions
- Multiple choice
  - T/F, and/or
  - Short answer

- Pencils, eraser, and a (functional) calculator

10/18/18
4. Offset the NRs evaluated in step 3 to allow production, which then becomes the planned order release (P.O.R.) for the end item:

\[
G_{iR}^{\text{Level 1}} = \begin{cases} 
\eta_i \times P.O.R_{\text{Level 0}} + \text{service parts;} & \text{if it is used as a service part} \\
\eta_i \times P.O.R_{\text{Level 0}} & \text{otherwise}
\end{cases}
\]

\[\eta_i = \text{The number of units of Level 1 items required to produce a unit of end item}\]

5. \(A \rightarrow \text{Level 0}\)

6. Repeat this procedure until the requirements for all NMs, parts, and subassemblies are determined.
(a) Level Codes

Product Structure Tree

(b) Single-level BOM
Single-level BOM

A
  B(2)
  C(2)
B
  H(3)
  F(1)
C
  D(1)
  E(3)
  F(1)
D
  E(2)
  G(3)

Indented BOM

A
  B(2)
  H(3)
  F(1)
  C(2)
  D(1)
  E(2)
  G(3)
  E(3)
  F(1)
D 1 2 3