Normalized Polish Expression

- Draw slicing floorplan based on:
  - Initial PE: $P_1 = 25V1H374VH6V8VH$
  - Dimensions: (2,4), (1,3), (3,3), (3,5), (3,2), (5,3), (1,2), (2,4)
M1 Move

- Swap module 3 and 7 in \( P_1 = 25V1H_{374}VH6V8VH \)
  - We get: \( P_2 = 25V1H_{734}VH6V8VH \)
  - Area changed from \( 11 \times 15 \) to \( 13 \times 14 \)
Change on Floorplan
M2 Move

- Complement last chain in $P_2 = 25V1H734VH6V8VH$
  - We get: $P_3 = 25V1H734VH6V8HV$
  - Area changed from $13 \times 14$ to $15 \times 11$
Change on Floorplan
M3 Move

- Swaps 6 and V in $P_3 = 25V1H734VH_{6V}8HV$
  - We get: $P_4 = 25V1H734VHV_{68}HV$
  - Area changed from $15 \times 11$ to $15 \times 7$
Change on Floorplan
Initial Temperature Calculation

- What is average change on cost function?
- Initial temperature with acceptance probability 0.9?

The area changed from $11 \times 15$ to $13 \times 14$ to $15 \times 11$ to $15 \times 7$. Thus, the average area change is

$$\Delta_{ave} = \frac{|165 - 182| + |182 - 165| + |165 - 105|}{3} = 31.33$$

Thus,

$$T_0 = \frac{-\Delta_{ave}}{\ln(0.9)} = 297.39$$