

Based on the provided Petri net, the food preparation process flows as follows:

The process begins with two silent transitions occurring simultaneously, splitting the workflow into two parallel branches: one for burger preparation and one for drink preparation.

Burger preparation branch:

1. **Start burger** is conducted.
2. Then, two tasks occur at the same time:
 - **Toast bun**
 - **Grill patty**
3. Next, after Grill patty, **Melt cheese** is conducted.
4. Then, two tasks occur at the same time:
 - **Spread sauces** (requires both the melted cheese and toasted bun)
 - **Add toppings**
5. Next, after Spread sauces, **Prep veggies** is conducted.
6. Then, after both Prep veggies and Add toppings, **Assemble burger** is conducted.
7. Finally, a silent transition occurs, completing this branch.

Drink preparation branch (exclusive choice—only one option is performed):

Option 1: Milkshake

- **Start milkshake** is conducted.
- Then, two tasks occur at the same time:
 - **Prepare cup**
 - (Implicitly: fruit preparation starts)
- Next, **Add fruit** is conducted (requires the prepared cup and fruit preparation).
- Finally, a silent transition occurs, completing this option.

Option 2: Coffee

- **Start coffee** is conducted.
- Then, two tasks occur at the same time:
 - **Prepare cup**
 - (Implicitly: coffee preparation starts)
- Next, **Make latte art** is conducted (requires the prepared cup and coffee).
- Finally, a silent transition occurs, completing this option.

The process ends when both the burger branch and the chosen drink branch complete.