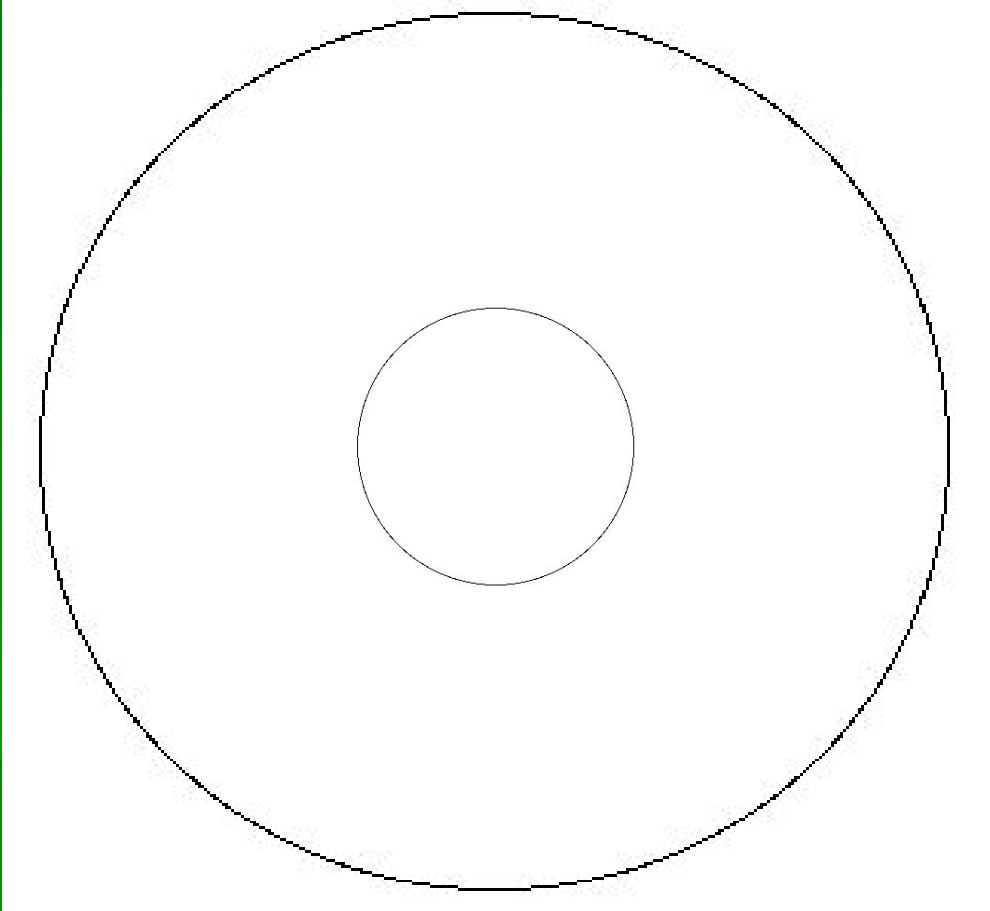


Create the Von Thunen Model

*Do not use your book



Place each “product” where you think it would go and explain why.

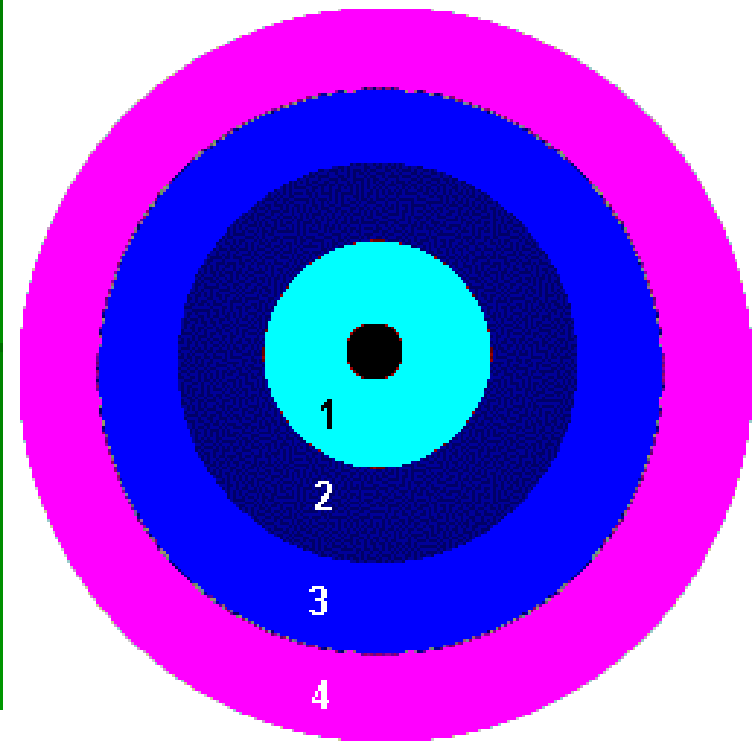
In no particular order, you products and locations are :

- Intensive agriculture
- Dairy
- Livestock Ranching
- City
- Forest Resources
- Grain Farming

With your partner locate each of the following in the ring(s) that you think will maximize its efficiency. Explain your reasoning for each of your choices.

Von Thunen Model

- The first location theory
- A concentric model
- Based on commercial agriculture

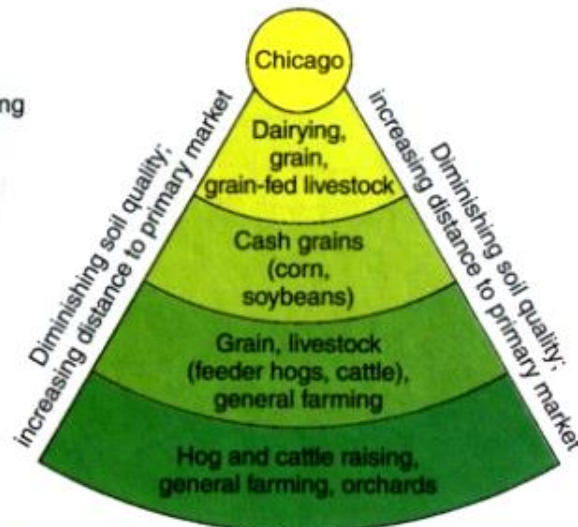


- Central City
- 1 Intensive farming and dairying
- 2 Forest
- 3 Increasing extensive field crops
- 4 Ranching, animal products

1. Dairying and market gardening
2. Specialty farming
3. Cash grain and livestock
4. Mixed farming
5. Extensive grain farming or stock raising



(a)



(b)

Contains six assumptions

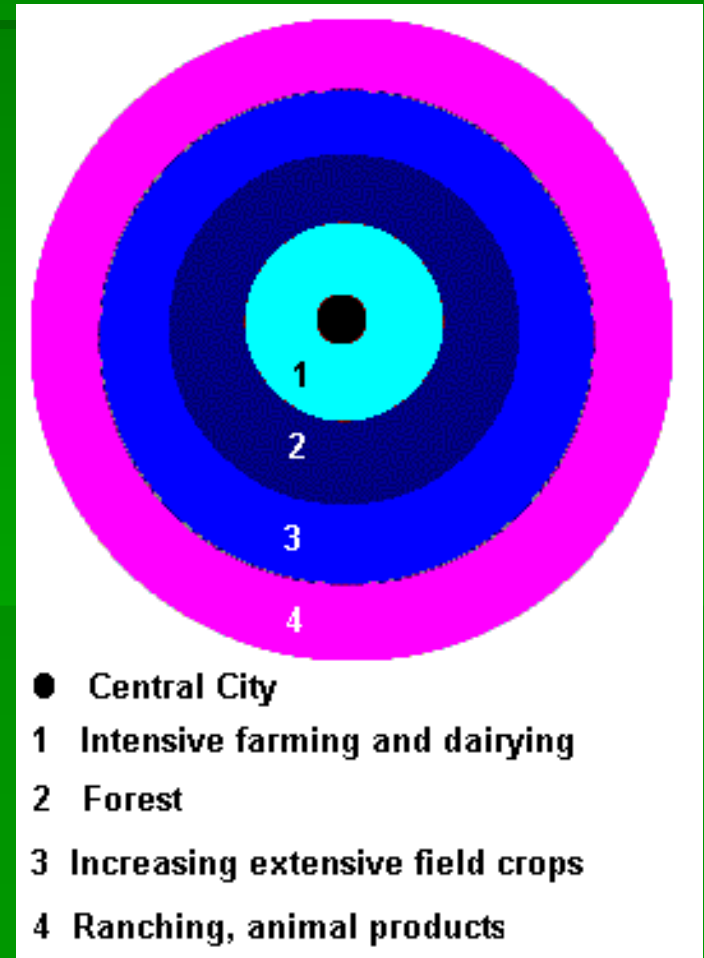
1. There is only one market available, self-sufficient with no outside influence.
2. All farmers are market oriented, producing goods for sale. (Not subsistence.)
3. The physical environment is uniform; Landscape and soil (there are no rivers or mountains).
4. All points at equal distances from the market have equal access to the market.
5. All farmers act to **maximize profits**.
6. The **dietary preferences** of the population are those of **Germanic Europeans**.

Land rent

- The main concept is land rent or land value, which will **decrease** as one gets farther away from central markets.
- Rent is highest in the closest proximity to urban markets. (**Bid-Rent Theory**)
 - Thus, agricultural products that have intensive land use, have high transportation costs and were in great demand would be located close to urban markets.

Major concepts:

- Distance from the city
- Preservation of food
- Amount of space



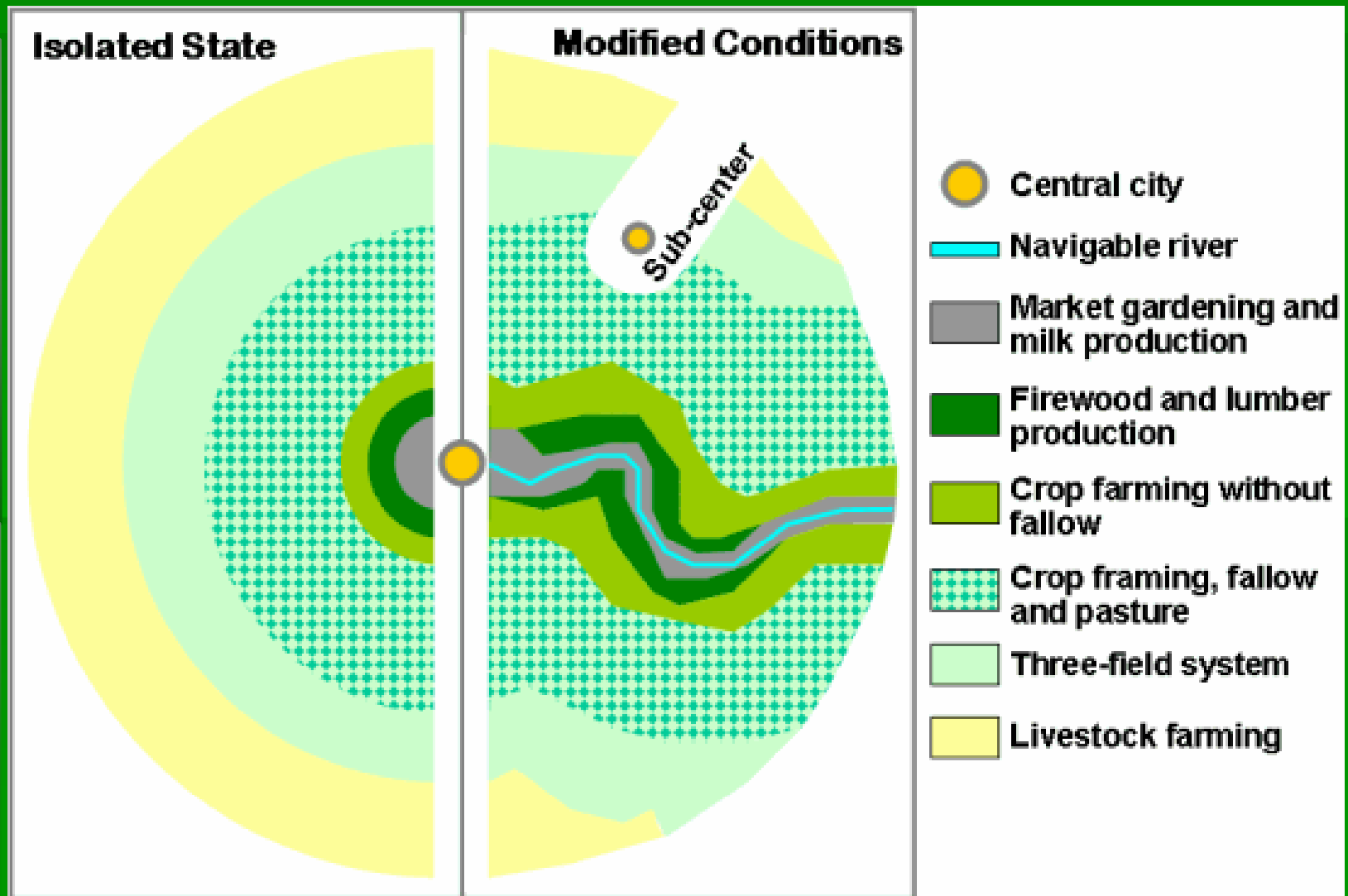
So.....

1. Dairying and gardening of fruits and vegetables would be closer to the urban market
2. Timber and firewood for fuel and building materials would be in the second zone.
3. Mixed farming, commercial grain and orchards
4. Extensive cattle ranching would be located farther away. Transportation is cheap: the animals can walk to the city for butchering.

Why?

- Some products spoiled more quickly, needed more sensitive transportation, or generate higher prices at market→
- These products mean the farmer can afford higher land rent.

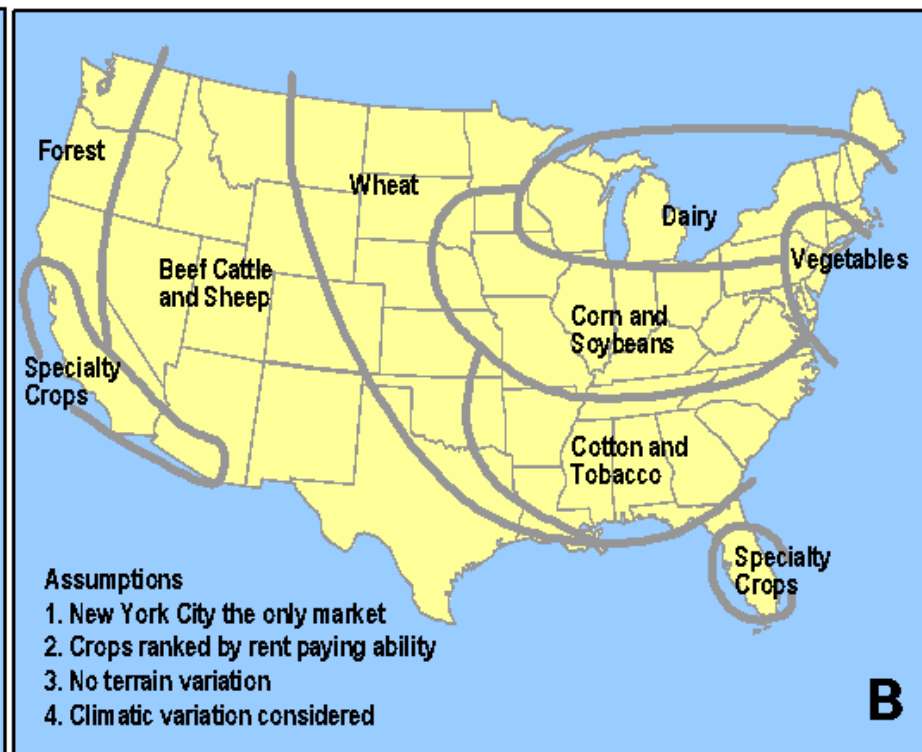
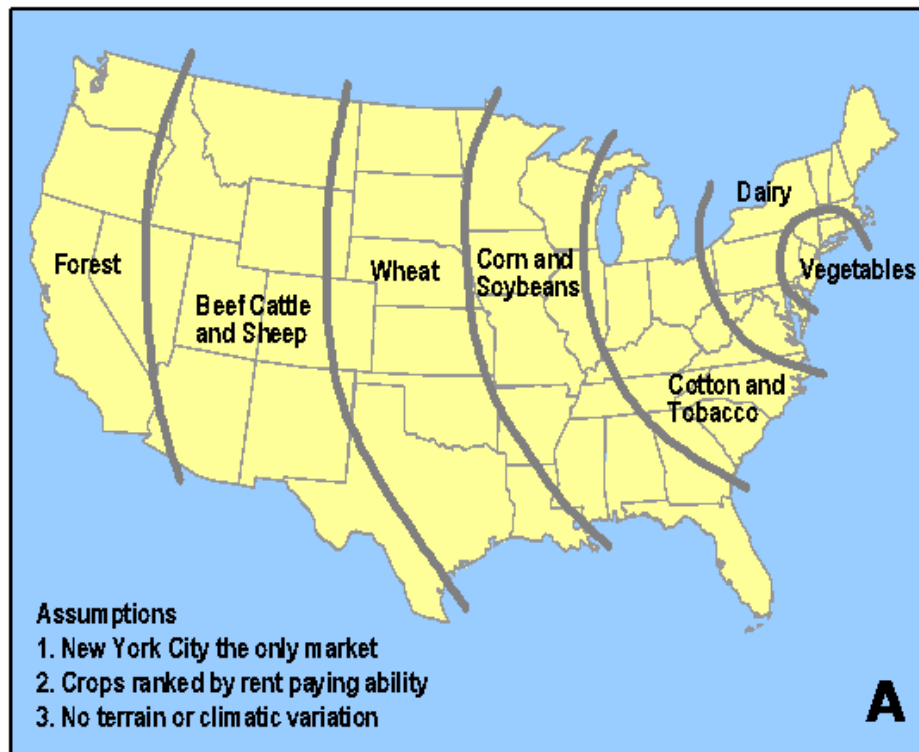
It doesn't always look the same:



Other factors

- Transportation innovations: Refrigerated trucks
- Government regulations: farm subsidies, gov't control on crops
- Foreign Markets: International movement of goods, increased competition

Inference of Von Thunen's Model to Continental United States



Would the model hold up?.....yes and no

