



## markers



## Hierarchical organization



















## HOW ULTRA-SOCIALITY HAPPENED

- Humans evolved the capacity to demarcate group membership with symbolic markers, with the first symbolic artifacts appeared around 60,000 years ago.
  - Markers such as dialect/language, cult/religion, clothing, and ornamentation allowed humans to determine whether someone personally unknown to them was a member of their cooperating group or, vice versa, an alien and an enemy.
- Hierarchical organization allowed unlimited growth in the scale of cooperating groups, simply by adding extra organization levels.
- Other key innovations include literacy and record keeping, formal legal systems, bureaucracies, organized religion, urbanization, and states.



