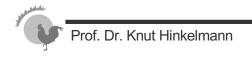


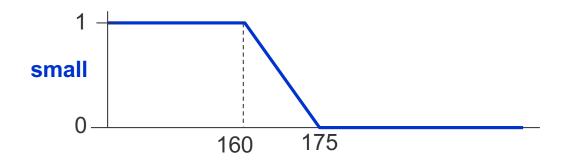
Exercise: Fuzzy Sets for Size of People

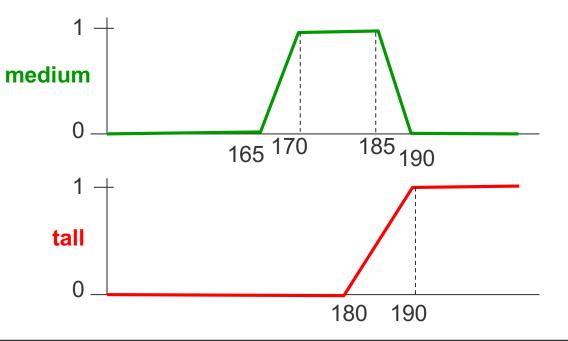
- Draw fuzzy sets for small, medium and tall men; use trapezoidal membership functions.
- Here are the restrictions:
 - Men below 1.60 are definitely small
 - Men taller than 175 are definitely not small
 - Men taller than 190 are definitely tall
 - Men smaller than 180 are not tall
 - Men between 170 and 185 are medium
 - Men below 165 are not medium
 - Men taller than 190 are not medium



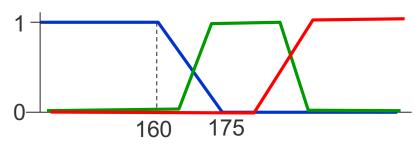


Solution: Fuzzy Sets for Size of People





Fuzzy sets for size in one graphic





Prof. Dr. Knut Hinkelmann