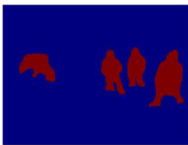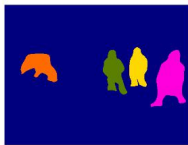# Aspects of Meaning (1/2)

- Meaning can be seen as a coarsening:
  - Pictures: Semantic segmentation.

(a) input image (b) object class segmentation of class *people* (c) object instance segmentation of class *people* (d) segmentation from expression *"people in blue coat"*

  - Programs: The output they give (caveat: undecidable).
  - Sentences: Reference to real world? Speaker's intention?
- <u>Linguistic meaning</u> captures the structure of expressions:
  - Morphology, syntax, ...
  - Units of each layer composed into higher units (FGD, Sgall et al. (1986))

Illustration from http://www.cs.toronto.edu/~tingwuwang/semantic_segmentation.pdf.