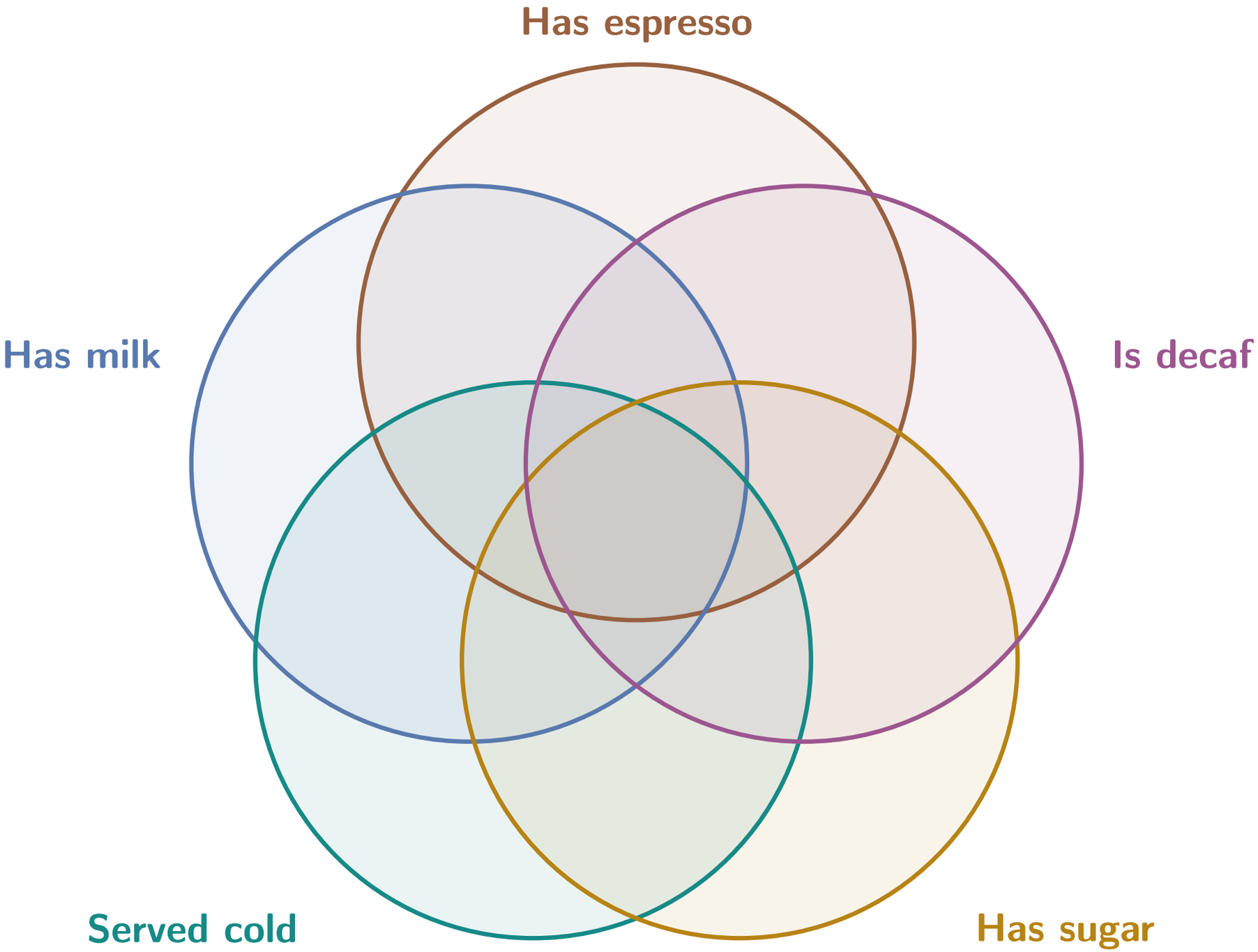
Five overlapping circles



All 31 regions cannot be drawn using circles alone.

Five circles create at most 21 interior regions; a five-set Venn diagram needs 31.