## Face Centered Cubic (unit cell)

LEGO unit representing atoms in this structure:


This atom model requires:
4 yellow $2 \times 4$ bricks
2 yellow $2 \times 2$ bricks

## This model requires:

14 yellow $2 \times 4$ bricks
9 yellow $2 \times 2$ bricks
8 yellow 1x2 bricks
8 yellow 1x1 bricks


$$
Z=0 \quad Z=1 / 2 \quad Z=1
$$



