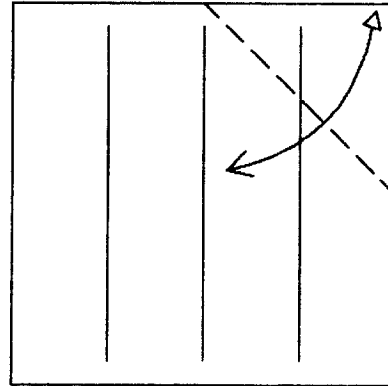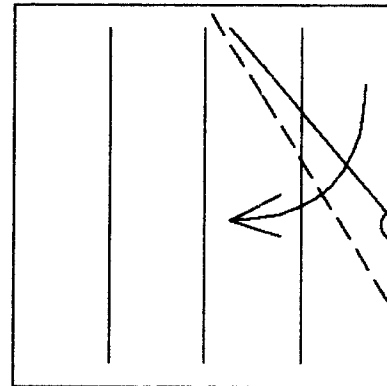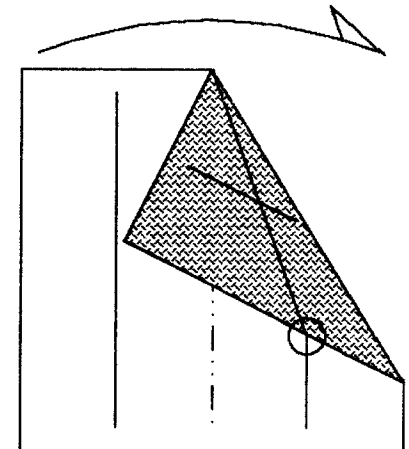1) Start with a square, white side up. Crease in quarters.
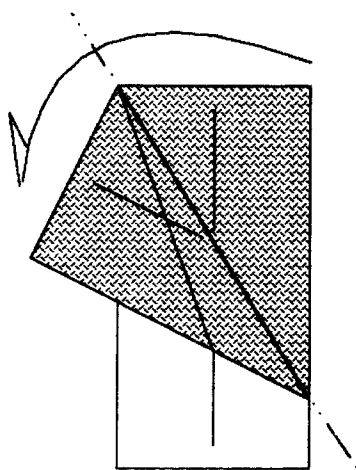
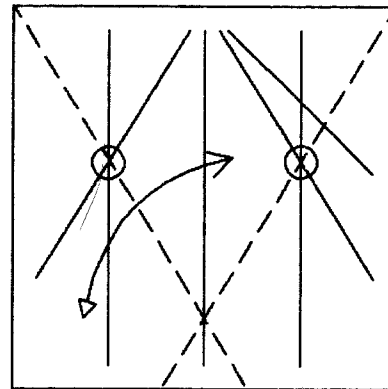2) Crease corner to center.

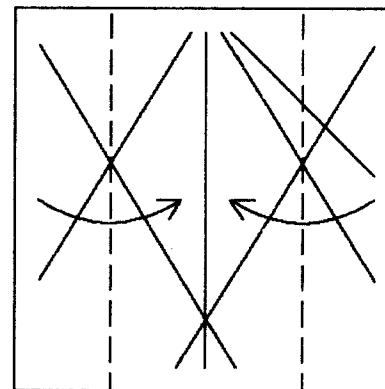3) Valleyfold so that the circled intersection hits the quarter crease.
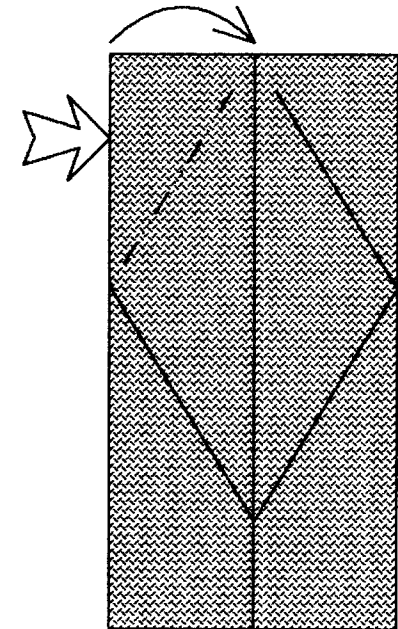
4) Mountainfold behind.

5) Mountainfold behind to mirror the crease from 3. Open back up.

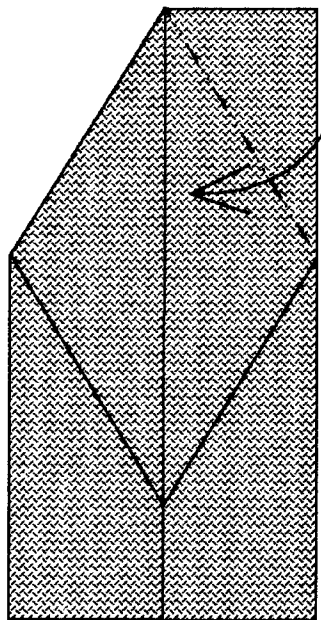6) Using the circled intersections as a guide, crease as shown.
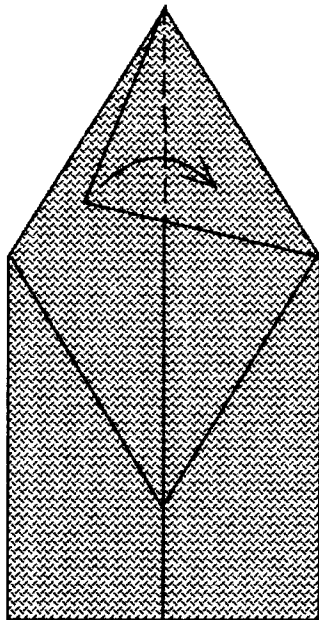
7) Cupboardfold as shown.

8) Inside reverse along existing creases, tucking the resulting flap under the top right layer.
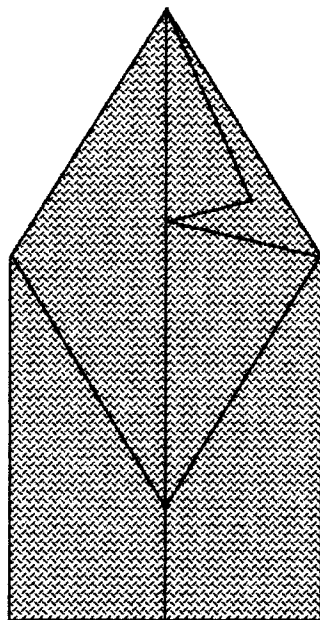
Beefy Strut for 4 Triangle Model

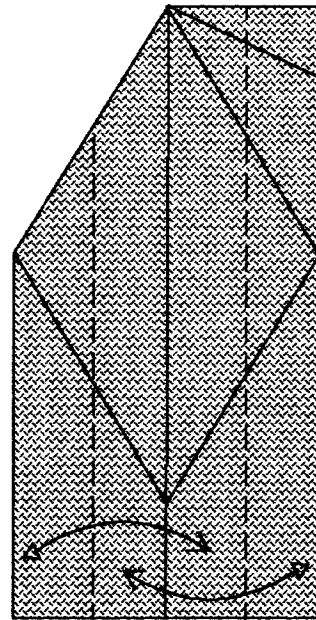A Modification of the Ov Unit -- PoCB 11/95

9) Valleyfold along existing crease.
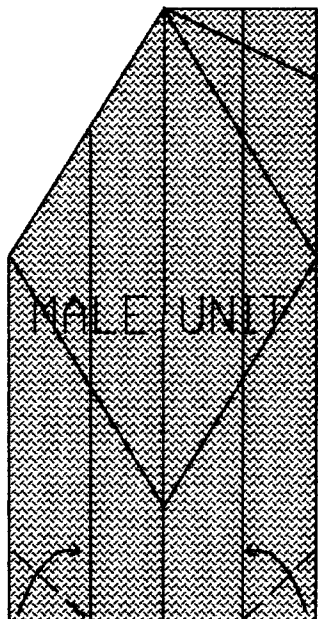
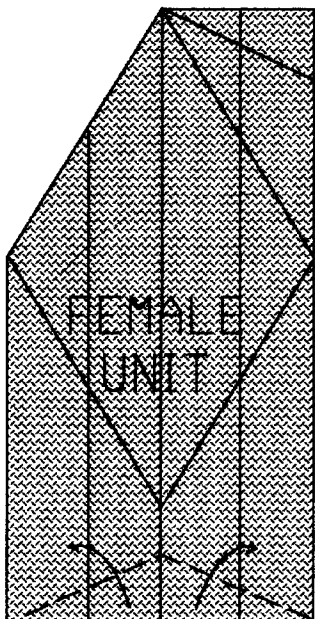10) Valleyfold back along the center line.

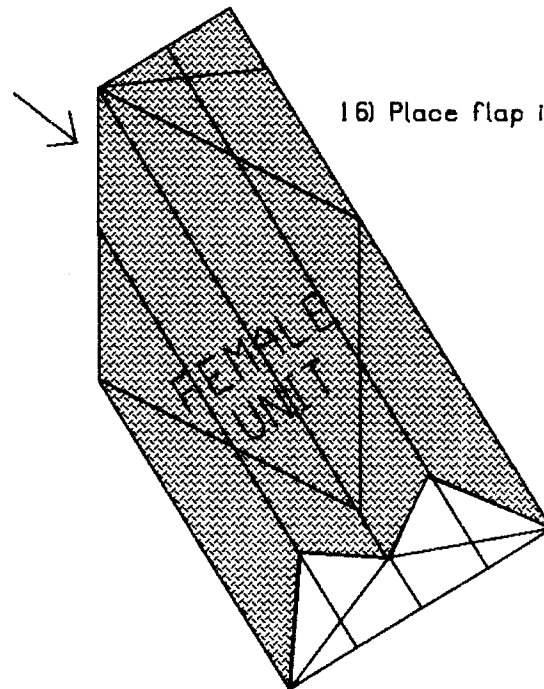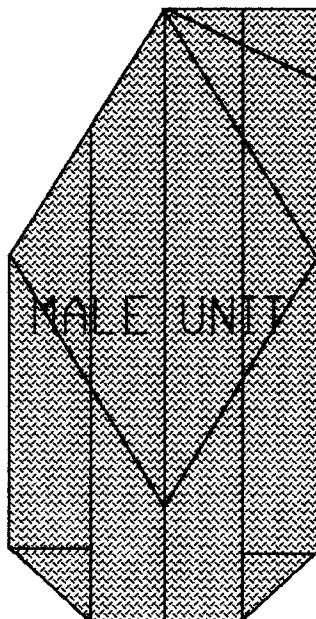11) Like so. Open back up.

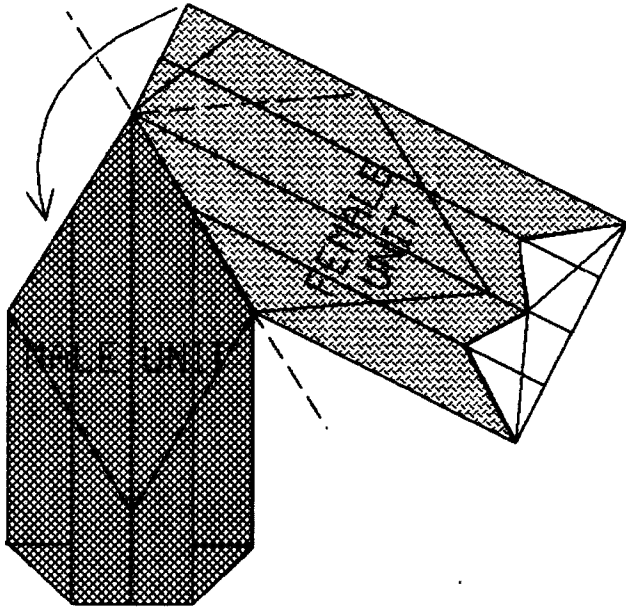12) Crease in cupboard fold.

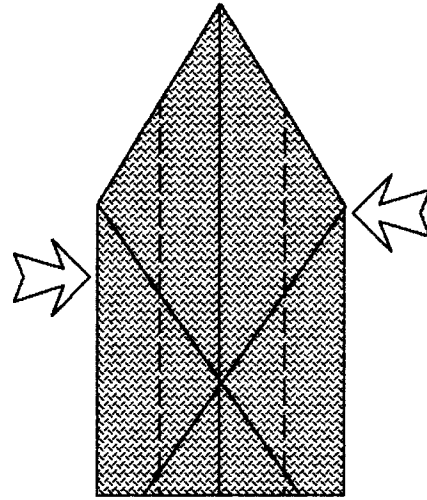13) Make another module, up to this step.

14) Valleyfold corners.

MALE UNIT
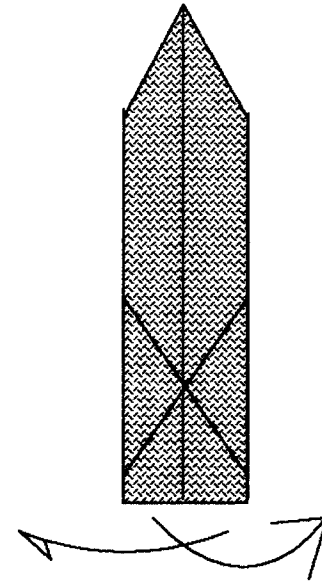
15) Valleyfold top layer.

FEMALE UNIT
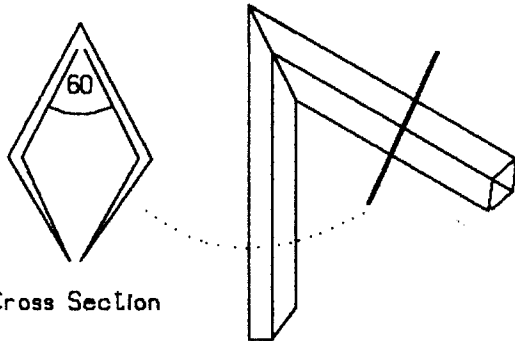
MALE UNIT

16) Place flap into pocket.

FEMALE UNIT

17) Valleyfold female unit over and valleyfold and tuck its flap into the male unit's pocket. (Okay, this is a little androgynous at this stage.)

Cross Section

20) Repeat 2x -- thread the male ending into the female ending; the folds made in 14 and 15 will facilitate this. Tap the corners to ease the modules into one another. When the creases on the struts line up to form a hexagon, the proportions are all correct. Make 3 more triangles and assemble into the 4 triangle model.

18) Inside reverse along the existing creases.

19) Pull the bottom of the two units apart, to about 60 degrees.