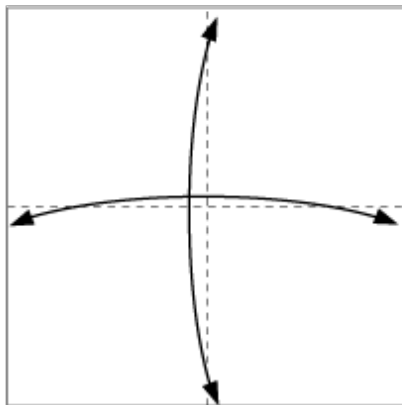


*Heat loss through
leaky windows can
be responsible for
up to 25% of
energy bills.*

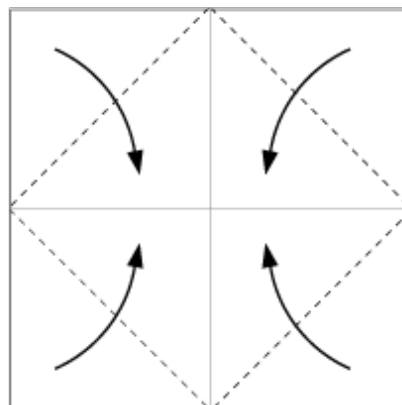




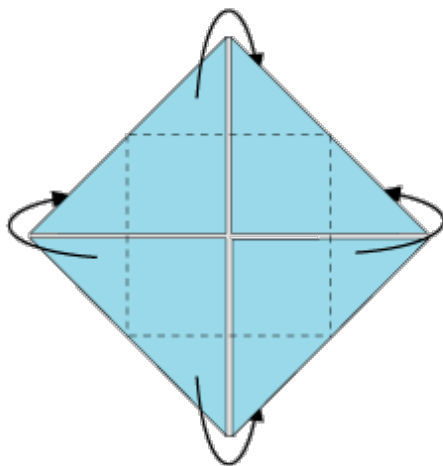
Window



1 Fold in half twice to make a crease and unfold

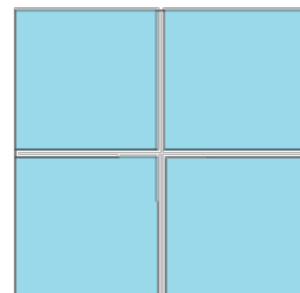


2 Fold in the dotted lines



3 Fold backward in the dotted lines

4
Finished



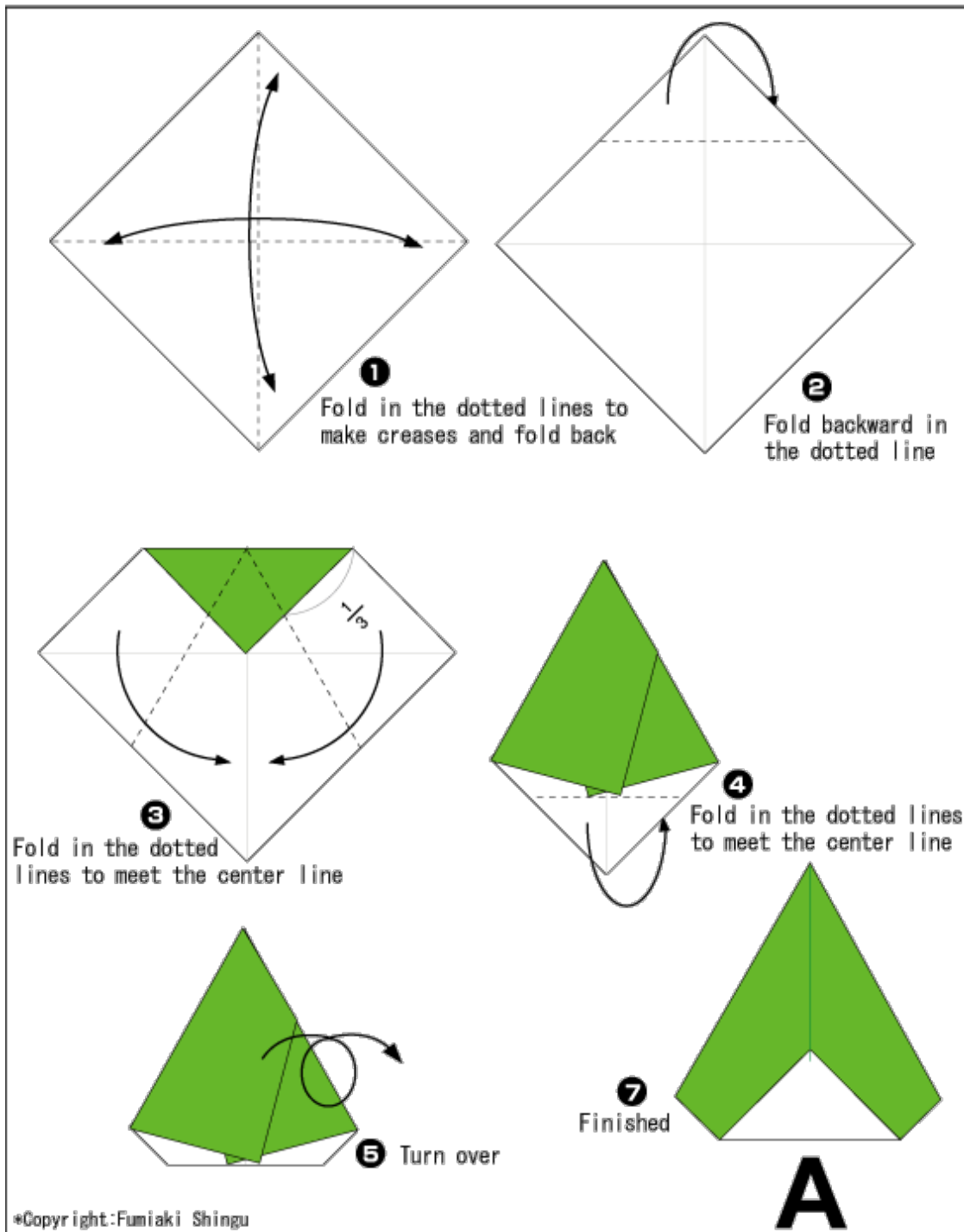
A Window

*Even the Empire State
Building has moved
from Energy Class B to
A - which translated
into greatly improved
market value.*





“A” letter



*Buildings are
responsible for 40% of
energy consumption
and 36% of CO₂
emissions in the
European Union.*





House

1 Fold in half twice to make creases and fold back

2 Fold to meet the center line

3 Fold backward in the dotted line

4 Fold in half

5 Fold to make a crease and fold back

6 Pocket fold in the dotted line

7 Open the ↑ part

8 Draw windows and finished

A house

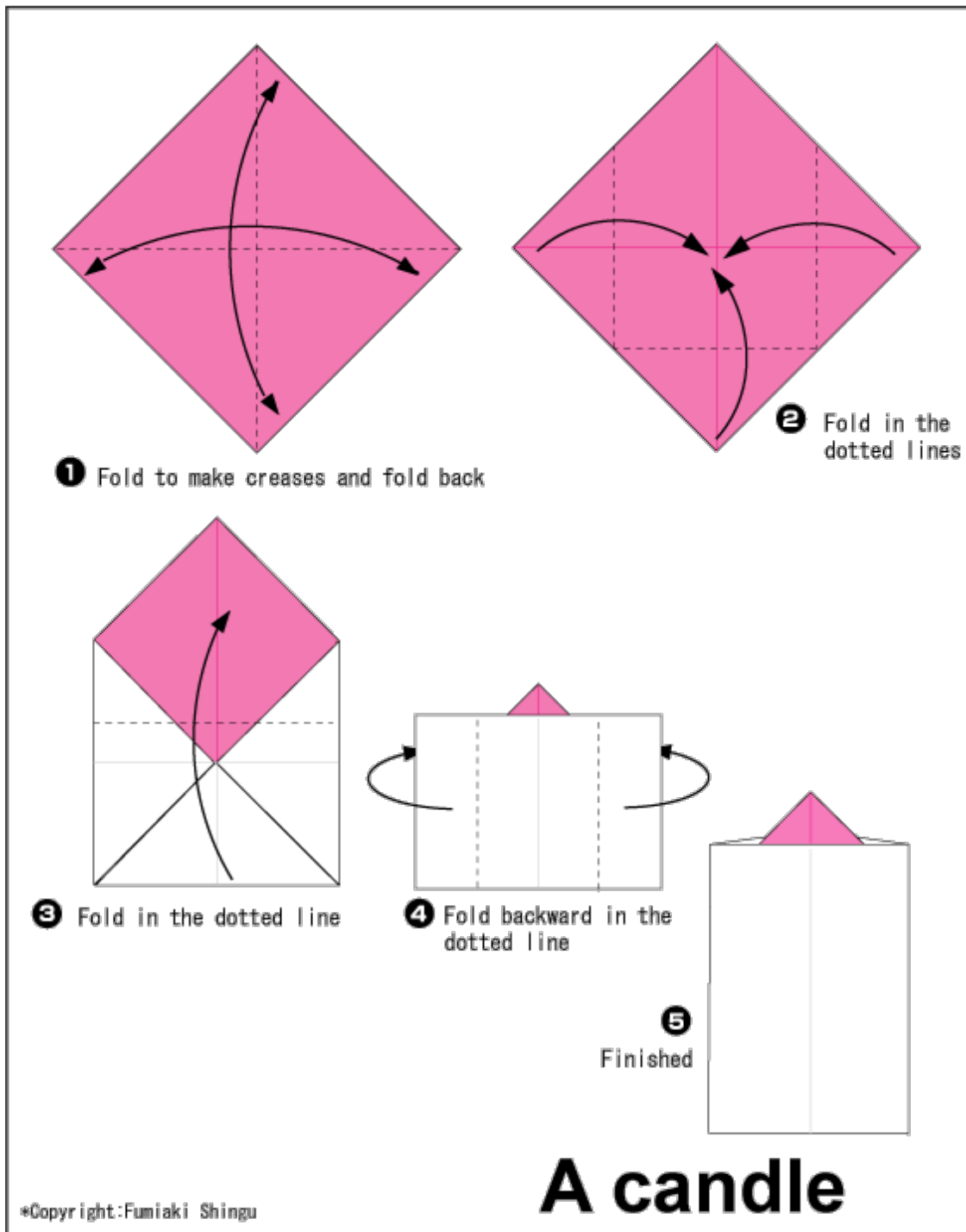
©Copyright:Fumiaki Shingu

*Lighting consists
of about 10%
of a building's
energy bill.*





Candle



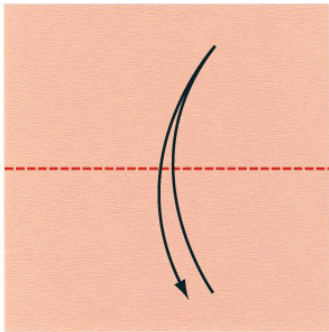
*People are the most
effective contributors
to energy efficiency
of the buildings they
live or work in.*



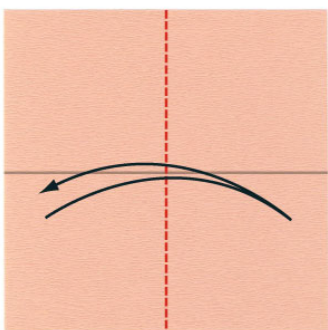


Man (page 1)

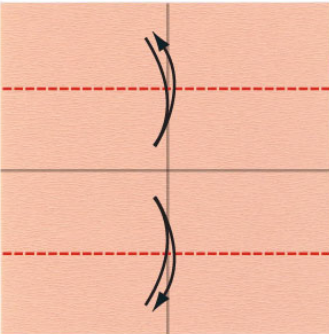
- - - Mountain Fold
- - - Valley Fold



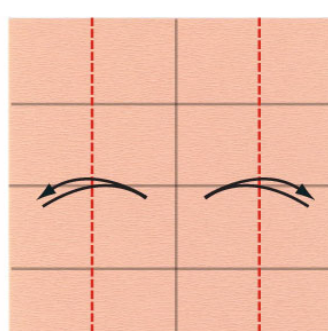
01.
Let us start with a paper's back side facing up.
Prepare to valley-fold in half horizontally and then unfold.



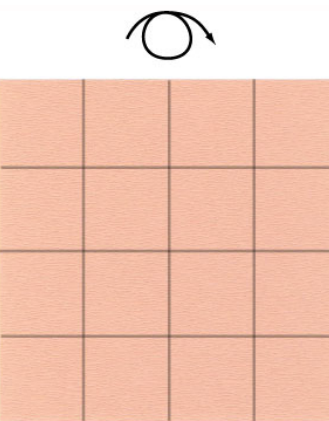
02.
Valley-fold in half horizontally and then unfold.
Prepare to valley-fold in half vertically and then unfold.



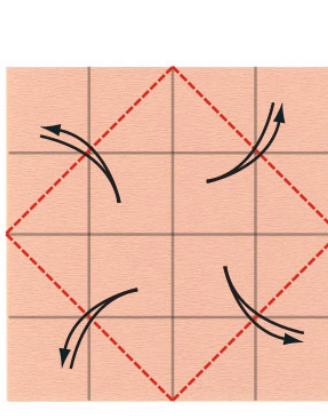
03.
Valley-fold in half vertically and then unfold.
Prepare to apply a [horizontal "gate-fold"](#) and then unfold.



04.
Apply the horizontal "[gate-fold](#)" of the step #3 and then unfold.
Prepare to apply a vertical "[gate-fold](#)" and then unfold.



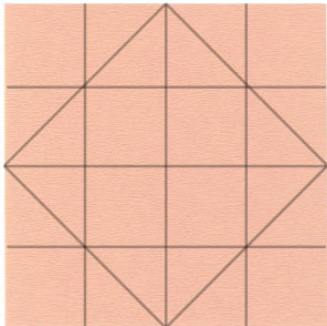
05.
Apply the vertical "[gate-fold](#)" of the step #4 and then unfold.
Prepare to turn the [paper](#) over.



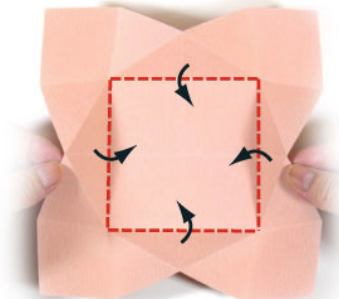
06.
Turn the paper over.
Prepare to apply a "[cushion-fold](#)".

Man (page 2)

- - - Mountain Fold
- - - Valley Fold



07.
 Apply the "cushion-fold" of the step #6.
 Prepare to turn the [paper](#) over.



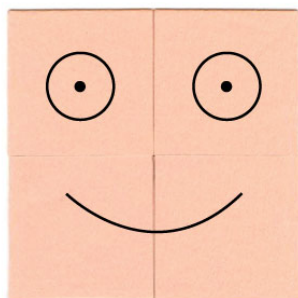
08.
 Turn the paper over.
 Prepare to apply four valley-folds.



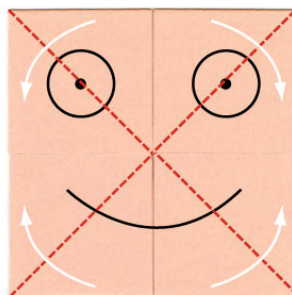
09.
 Start applying four valley-folds of the step #8.



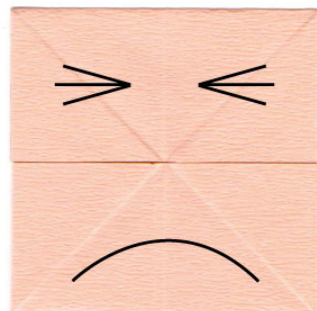
10.
 Complete applying four valley-folds of the step #8.



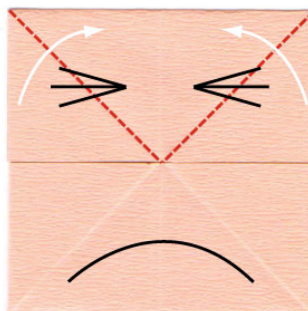
11.
 Let's draw two eyes and a mouth.



12.
 Prepare to apply four valley-folds.



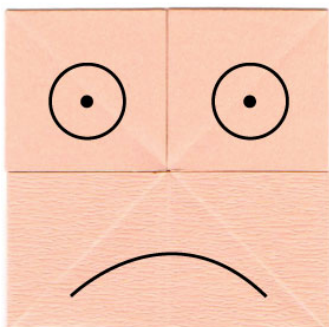
13.
 Apply four valley-folds of the step #12.
 Draw two eyes and a mouth.



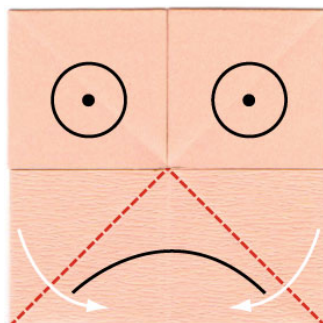
14.
 Prepare to apply two valley-folds.

Man (page 3)

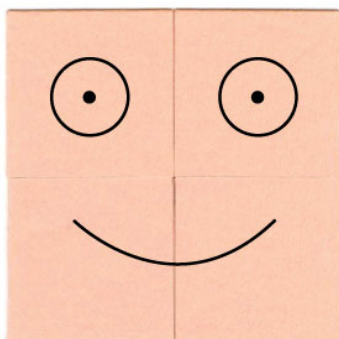
- - - - Mountain Fold
- - - - Valley Fold



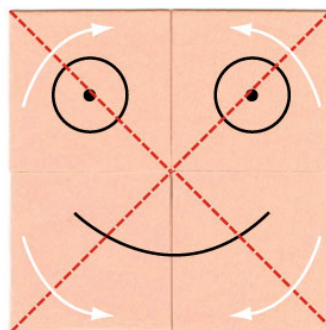
15.
 Apply two valley-folds of the step #14.
 Now, you can see the mixing of 1st two eyes and 2nd mouth.



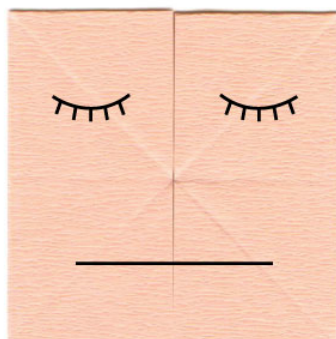
16.
 Prepare to apply two valley-folds.



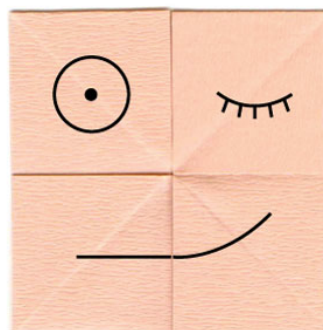
17.
 Apply two valley-folds of the step #16.
 Now, we came back to the step #11.



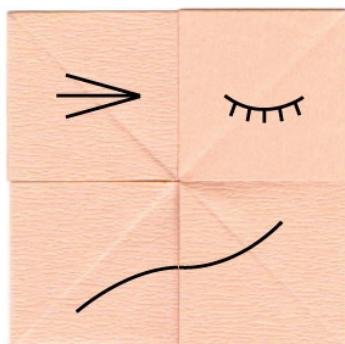
18.
 Prepare to apply four valley-folds.



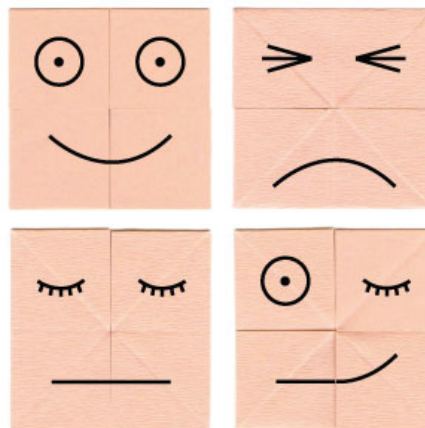
19.
 Apply four valley-folds of the [step #18](#).
 Draw two new eyes and one mouth.



20.
 Now, you can mix any eyes and mouth.



21.
 Here is another mixing of eyes and mouth
 Congratulations!
 You have completed making an origami face [changer](#).



*There is so much
lighting in our cities
that we can hardly
see the stars.*





Star

1 Fold in the dotted lines to make creases and fold back

2 Turn over

3 Fold to make creases and unfold

4 Fold in the creases

5 Fold both sides in the dotted lines to make creases

6 Step fold both sides in the dotted lines

7 Fold in the dotted line

8 Turn over

9 Finished

A Star

*Copyright: Fumiaki Shingu

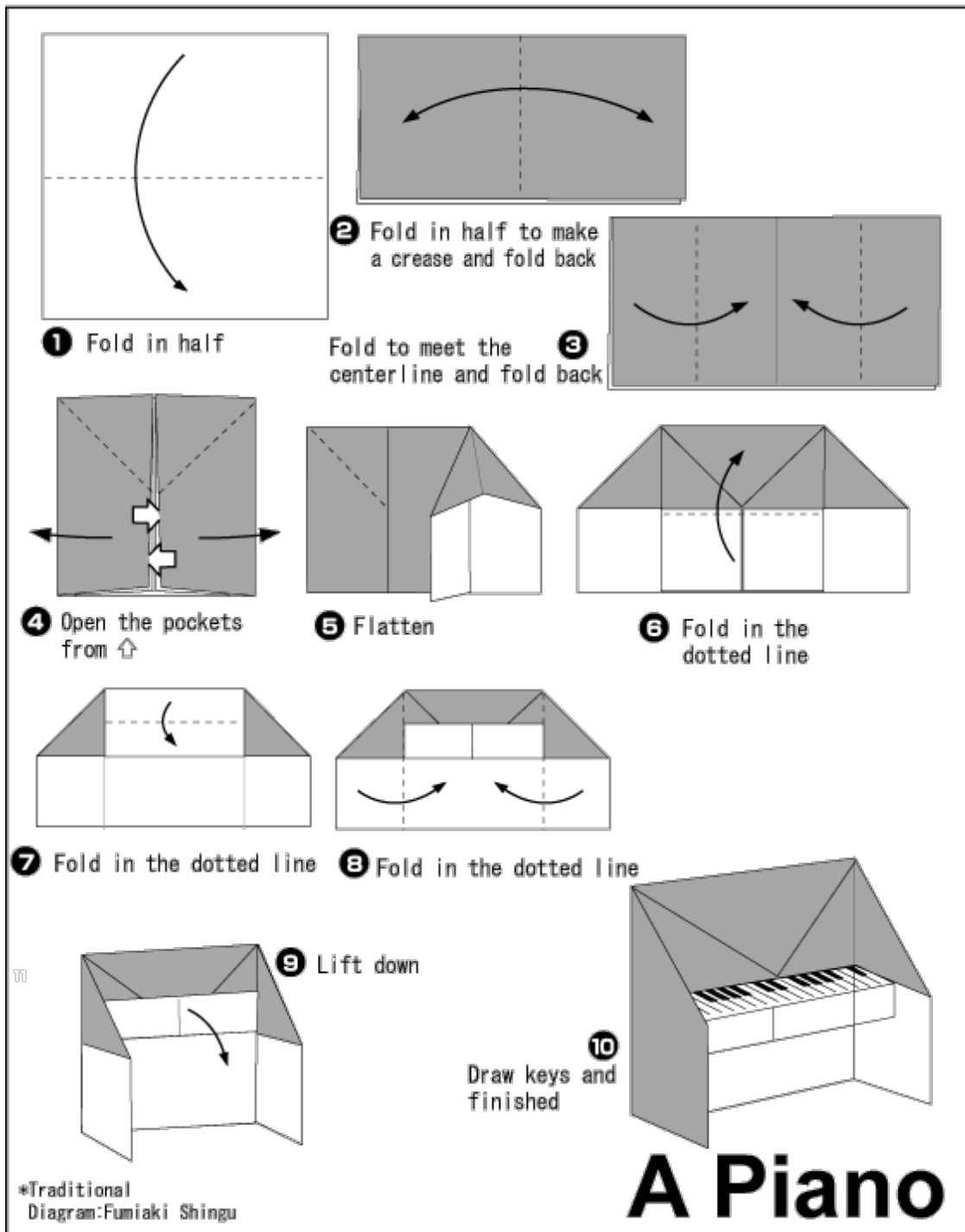
TOGETHER

*A concerto of
technical and
behavioural change
measures: new music
for the buildings
energy performance.*





Piano

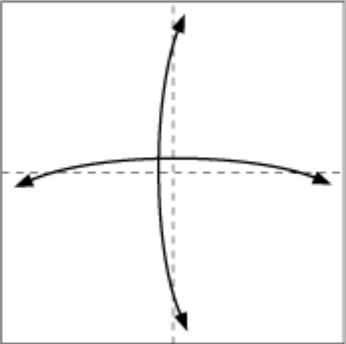


*Most building
retrofits realise
energy savings up to
20%, typically with a
3-5 year payback.*

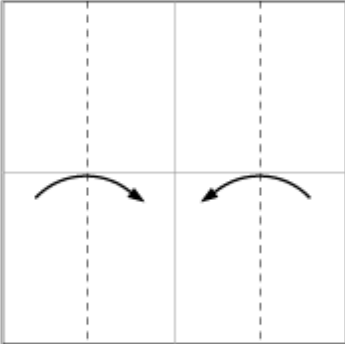




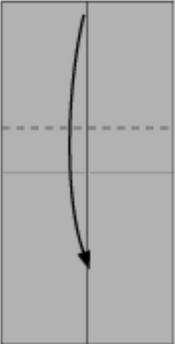
Building



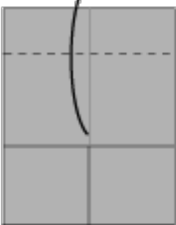
1 Fold in half to make a crease and fold back



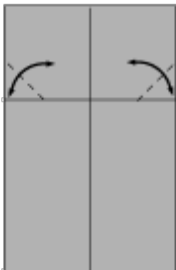
3 Fold to meet the center line



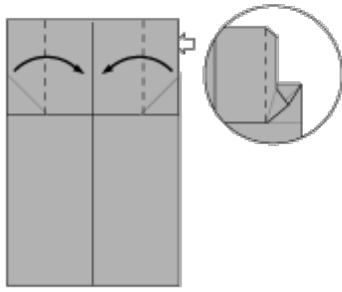
2 Fold in the dotted line



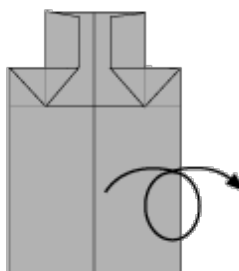
4 Fold in the dotted line



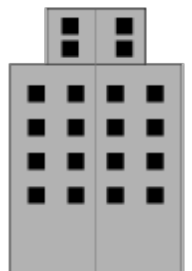
5 Fold to make a crease and fold back



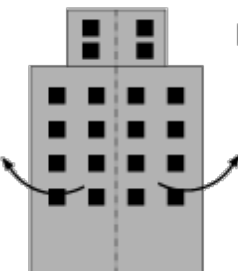
6 Open the ↑ part and flatten



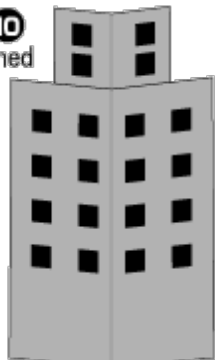
7 Turn over



8 Draw windows



9 Fold in half and fold back



10 Finished

A Building

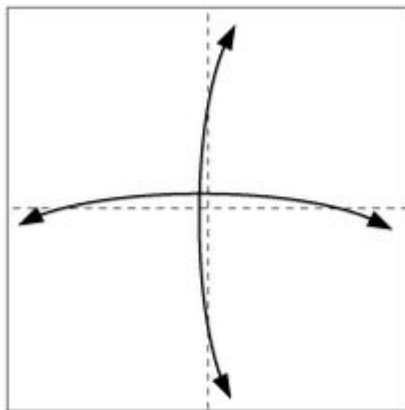
*Copyright: Fumiaki Shingu

*Energy efficiency
saves you money.
Period.*

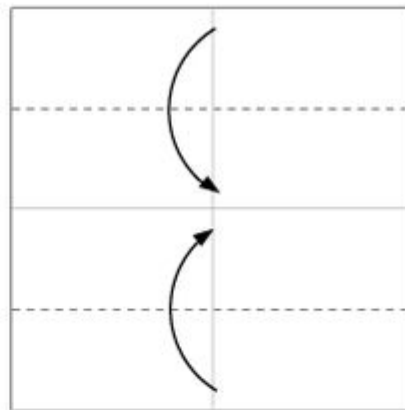




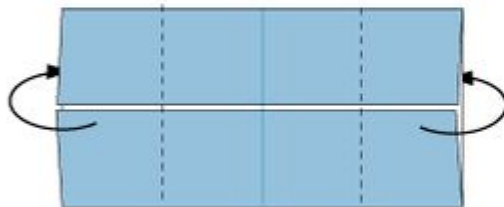
Wallet



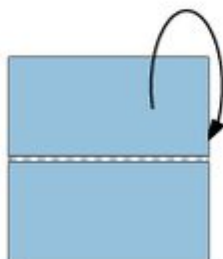
1 Fold in the dotted lines to make creases and fold back



2 Fold to meet the center line

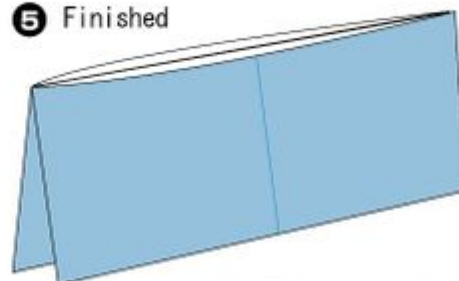


3 Fold backward in the dotted line



4 Fold in half

5 Finished



A Wallet

*“Idle load electricity” —
wasted by appliances in
sleep mode — can account
for 10 to 20 percent of
power consumption in a
building.*





TV

1 Fold in half twice to make creases and fold back

2 Fold in half twice to make creases and fold back

3 Fold in half twice to make creases and fold back

4 Fold in the dotted line

5 Fold in the dotted line

6 Fold in the dotted line

7 Draw switch button and finished

A TV

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*A toolbox for
energy efficiency.
Yours is the choice.*





Box

