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\* Class:RectangleTranslation ExP.2.3 Pg.60 Author: Yin Linhai

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\* A program that moves a rectangle so it makes a larger rectangle using four similar rectangles.

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\* School:Sir Winston Churchill High School, Calgary, Alberta, Canada

\* Language: Java SE 7.0Target Operating System: Java Virtual Machine

\* System:Intel Celeron 3GHz running under Windows 7 IDE: Eclipse 4.2

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**package** Exercises;

**import** java.awt.Rectangle;

**public** **class** RectangleTranslation {

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\* **@param** args

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**public** **static** **void** main(String[] args) {

//variable declarations

**int** x, y;

//object construction

Rectangle r = **new** Rectangle(0, 0, 10 ,20);

//print out rectangle

System.*out*.println(r);

//translation calculation

x = (**int**) r.getWidth();

y = (**int**) (r.getHeight() \* 0);

//translation

r.translate(x, y);

//print out rectangle

System.*out*.println(r);

//translation calculation

x = (**int**) (r.getWidth() \* 0);

y = (**int**) (r.getHeight());

//translation

r.translate(x, y);

//print out rectangle

System.*out*.println(r);

//translation calculation

x = (**int**) (r.getWidth()\*-1);

y = (**int**) (r.getHeight() \* 0);

//translation

r.translate(x, y);

//print out rectangle

System.*out*.println(r);

}

}