



THE MAGNETIC WHEELS

Unleash the majestic mechanical power through electro-magnets !

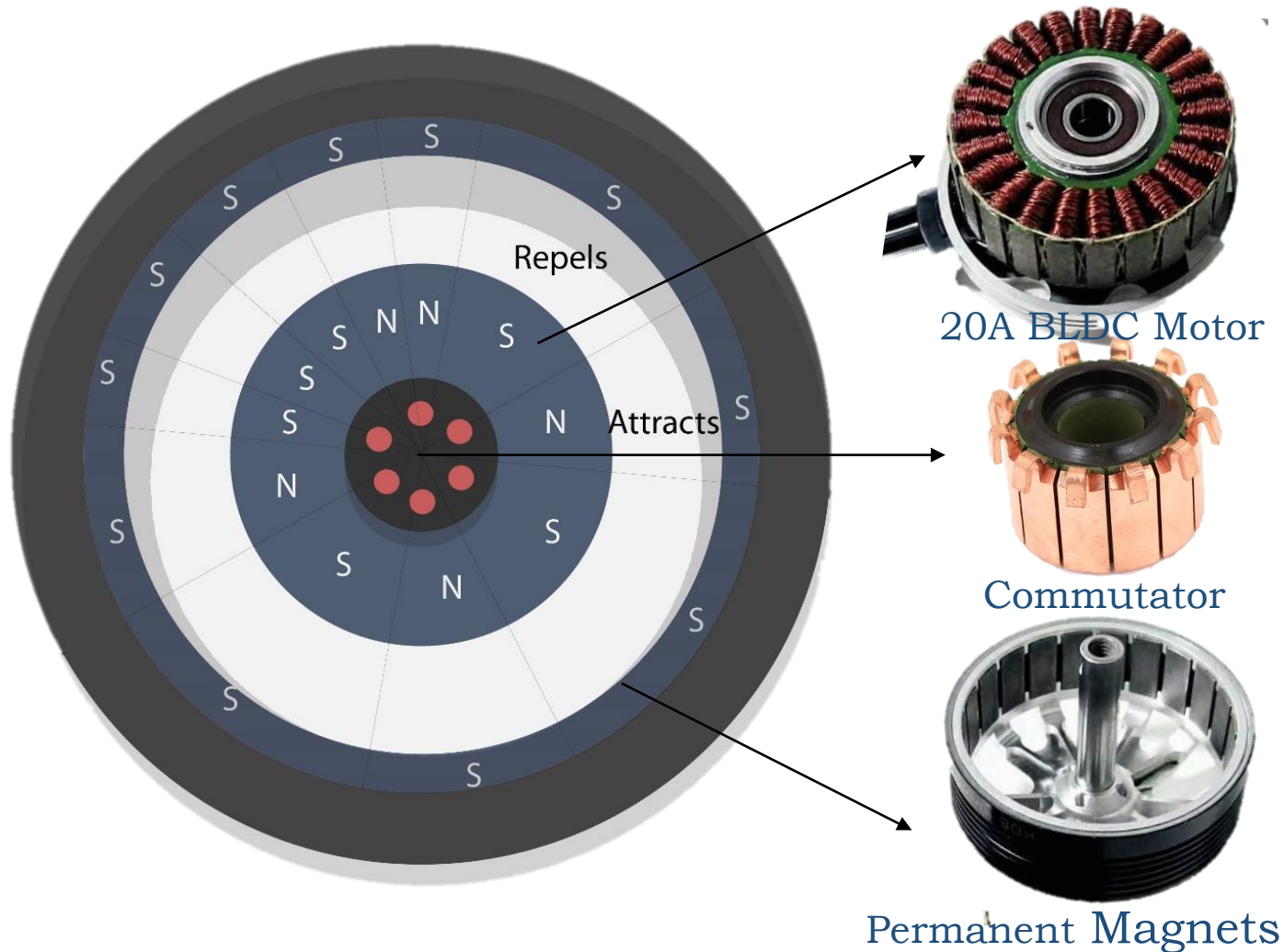
IN BRIEF

- 1 • THE ANATOMY
- 2 • THE RIM
- 3 • THE COMMUTATOR
- 4 • CONTROLLING SPEED
- 5 • DRY CELLS
- 6 • EFFICIENCY
- 6 • HAVE A TOUR

New generation cars will have magnetic wheels rather than a huge engine and axle. A commutator will control the magnetism effect. Dry cells will provide power to the car. Advanced DC-DC circuit will be used for controlling speed.

THE RIM

Wheels that tends the car to move

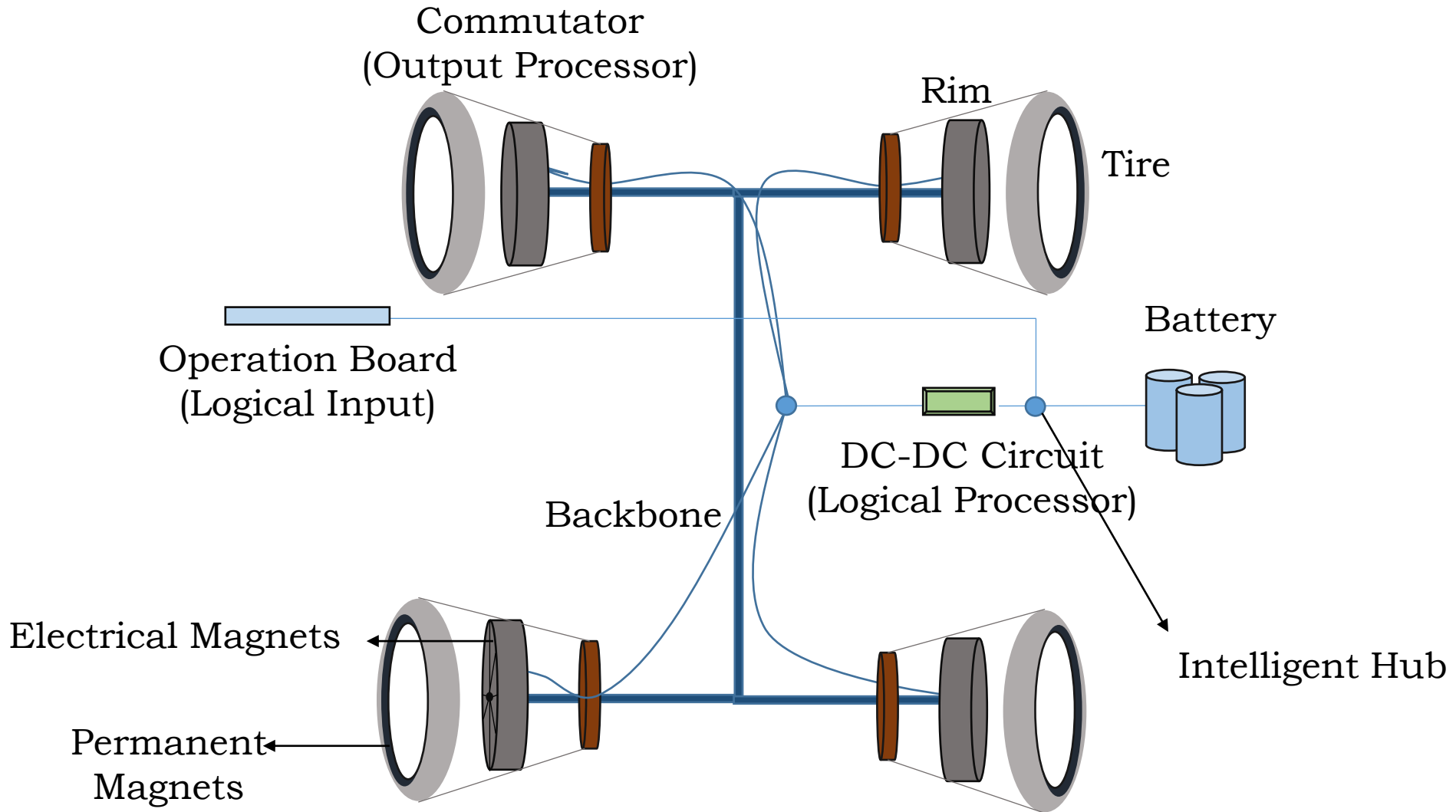


The Rim will be consist of several electro-magnetic coils, among them some will have North Pole and others South Pole at outer side. A permanent South Pole faced magnet will be placed beneath the tire.

The ratio of attraction and repletion is **2:3**

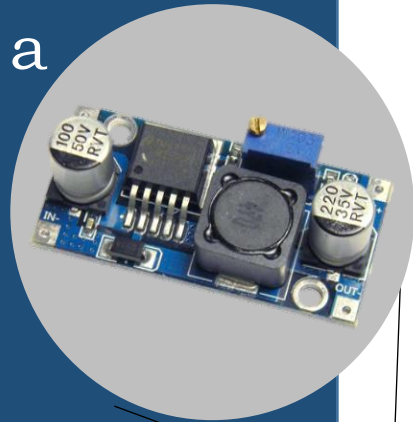
THE ANATOMY

An overview of the mechanics of an engine



SPEED TACTICS

As transformers don't work in DC voltage, we'll use a DC-DC converter to reduce the Voltage without any system loss.



Deceleration Pedal

Mechanism of  controlling acceleration gears



Lessened Speed

Wheels stops within 0.001s



Commutator Stops

Pedal energy stops it mechanically



Higher Electro
Magnetic Field

Magnet gets highly stacked with base rim



Voltage Drops

DC Converter increases voltage

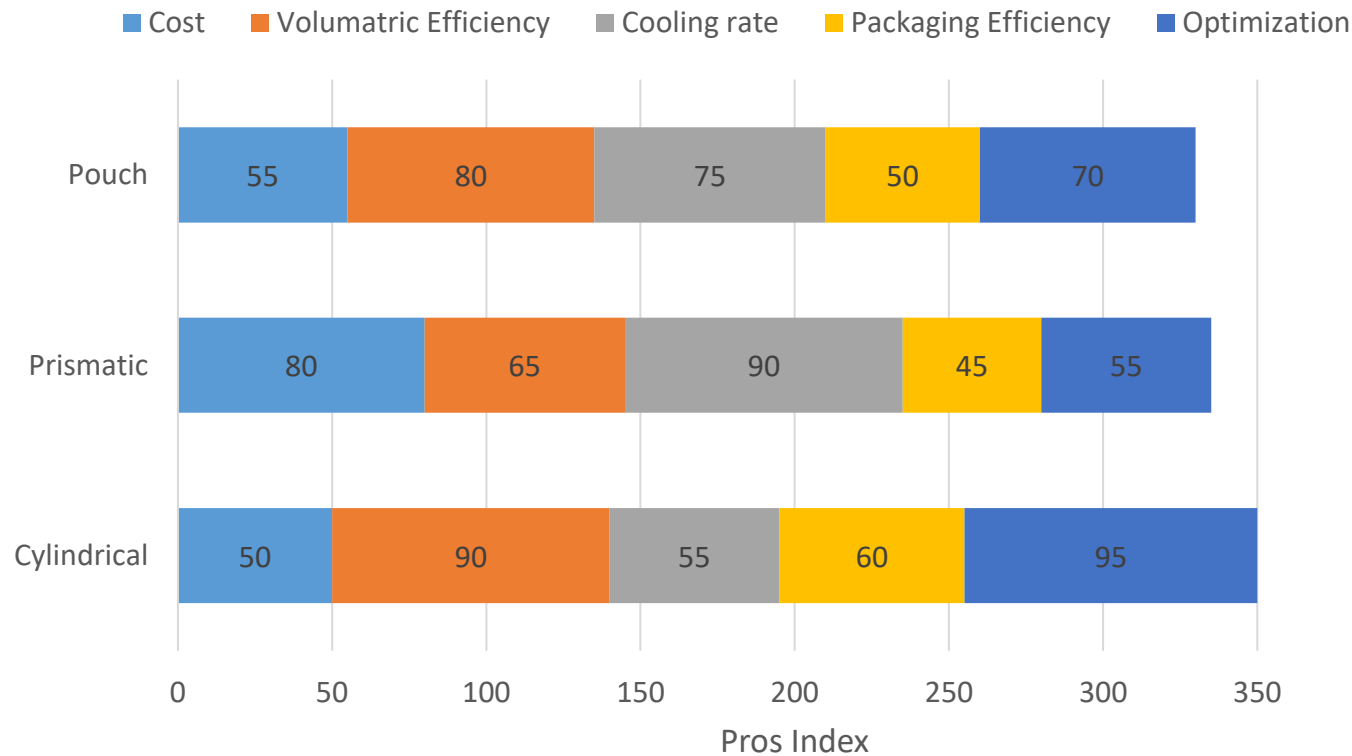


DC-DC Converter
Activates

Pedal connects two circuits

Simply 2-5N force to press the pedal

DRY CELLS



Specifications of Cylindrical Battery:

Capacity: 3.4Ah

Energy: 12.4 Wh

Voltage: 3.66V

Resistance: 30mΩ

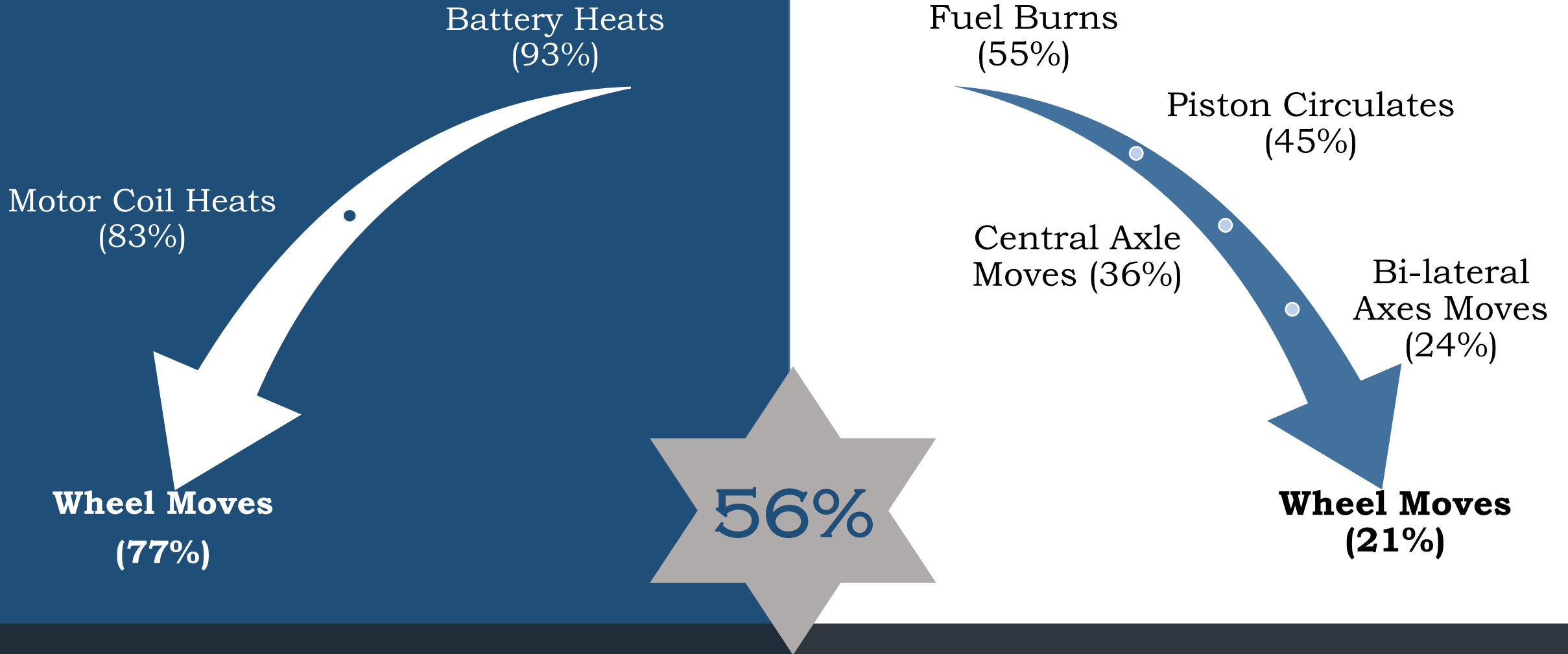
Mass: 0.049kg

Volume: 0.0165L

Durability: 12 hrs

500 batteries will be needed. In total 80A and 36V current will flow over the wires.

EFFICIENCY

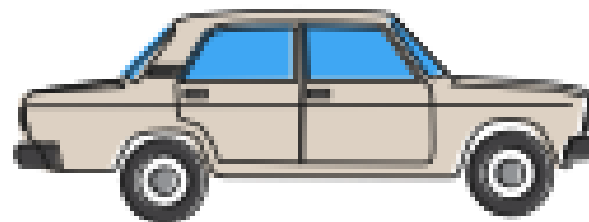


MORE ENERGY THAN A TRADITIONAL ENGINE

**Electro
Magnetic
Wheeler**



VS



**Traditional
Wheeler**



THANKS FOR BEING WITH US

SHARIF BIN HAQUE

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