LEGO

Challenge task cards



Created by Tales and Teacherisms

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challenge task cards

Build your name using Lego bricks on a flat Lego piece.

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challenge task cards

Build your name in 3D using Lego bricks.

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Challenge Task Cards

Build the tallest tower you can, using only the Legos provided.

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Challenge Task Cards

Use your Legos to explain the word "symmetry" to a friend.

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Challenge task cards

The local bank keeps getting robbed! Build a safe that nobody can break into!

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Challenge task cards

NASA has enlisted YOU to build a brand new rocket to launch into space.

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Challenge task cards

You and your friends decide to build a tree house fort. Design and construct it!

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Challenge task cards

You are stranded on the moon and must build a new ship in order to return home to Earth!

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Challenge task cards

You and your 3 friends are stranded on a deserted island. Build a boat to get everyone home.

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Challenge task cards

Build a snowy scene to celebrate the season of winter!

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Challenge task cards

Build a fall scene to celebrate the season of autumn!

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Challenge task cards

Build a hot scene to celebrate the season of summer!

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Challenge task cards

Build a floral scene to celebrate the season of spring!

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Challenge task cards

There is a blizzard and you're stuck inside school! Build a snowmobile to get yourself home.

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Challenge Task Cards

Congratulations! You have been elected president! Design and build a new flag for our country.

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Challenge Task Cards

Oh no! The fence is broken and your dog keeps escaping! Build a new fence to keep your dog inside.

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Challenge task cards

It's the 1800s and you have decided to travel the Oregon Trail with your family. Build a covered wagon to get your family across the country.

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Challenge task cards

Close your eyes.
Build something without the use of your vision!

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challenge task cards

Build something with just 6 Legos.

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challenge task cards

Build something with only black Legos.

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challenge task cards

Build something with just 4 Legos.

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challenge task cards

Build something with only yellow Legos.

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challenge task cards

Build something with just 8 Legos.

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challenge task cards

Build something with only blue Legos.

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Challenge Task Cards

Our mailbox blew over in a storm. Build a new mailbox for our house.

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Challenge Task Cards

The mail carrier's truck broke down! Build a way for him to carry his mail and deliver it on time.

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Construct a horse.

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challenge task cards

Construct a dragon.

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challenge task cards

Construct the Loch Ness Monster.

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challenge task cards

Construct Big Foot.

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Challenge task cards

A food critic is visiting the chef's restaurant. Build a 3 course meal for him to serve.

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Challenge task cards

It is a busy night in the restaurant! Build a device the waiter can use to help carry plates.

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Challenge task cards

The president has to get to Paris for an important meeting. Build him a form of transportation to get there right away.

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Challenge task cards

It is a busy night in the restaurant! Build a device the water can use to help carry plates.

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Challenge task cards

The farmer's cows keep escaping! Can you build a paddock to keep them inside and safe?

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A famished wolf has been breaking into the pig pen and devouring the pigs, one by one. Build a stronger pig pen to keep the wolf out!

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Challenge task cards

Use your Legos to construct a marble race. Trade with a friend to test your creations.

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Challenge task cards

Use your Legos to build a boat that will float and hold weight. Test the strength of your boat using pennies.

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Challenge task cards

Use your Legos to construct a bridge that will connect two desks. We will test the strength of your bridge using weights.

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Challenge task cards

Build ANYTHING! As you build, use sequence words to write down the steps for a friend to follow, in order to recreate your construction.

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Challenge task cards

Find a partner. One partner will be behind a divider with a Lego construction. They will explain to their partner, using only words, how to construct that same structure. Check your work and switch roles.

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Use your Legos to construct a horizontal tower off a table. Let's see whose horizontal tower can reach the furthest before breaking or falling.

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Challenge Task Cards

Use your Legos and a rubber band to build a catapult to launch a marshmallow the furthest distance.

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Challenge Task Cards

Use your Legos to construct a car. It will be placed at the top of an inclined plane. We will measure the distance each car travels.

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Challenge Task Cards

Use your Legos to construct a car powered only by a rubber band.

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Challenge Task Cards

Use your Legos to construct a car that is powered only by a balloon.

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Challenge task cards

Use exactly 20 Lego bricks. Connect them so that when dropped from a desk, they do not break apart.

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Oh no! A Lego person is stuck at the bottom of the trash can! Devise a system to save him, using Legos.

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Design a playground for our school using Lego bricks.

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Design an Egyptian pyramid using only your Lego bricks.

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Challenge task cards

Use your Legos to create a brand new musical instrument that really works.

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Challenge task cards

Design an amusement park, utilizing your knowledge of simple machines and Legos.

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Challenge task cards

Use your Legos to build an animal with an injury. Next, create a Lego device to help that animal.

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Challenge task cards

Design a brand new method of transportation that will lessen the "human footprint." Make it environmentally friendly!

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Challenge task cards

Design and construct your ultimate Lego dream house.

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Challenge task cards

Your Lego man has moved to an extremely hot and humid climate. Design a shelter to protect him from the heat and sun.

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Challenge task cards

Oh dear! A helpless kitten is stuck up a tree! Build a tool to help the fireman rescue the kitten.

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Challenge task cards

Build a Lego pinball game.

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Challenge task cards

Create a garden of Lego flowers.

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Challenge task cards

Uh oh! There is a dragon on the loose! Build a castle with a working drawbridge to keep the princess safe.

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Challenge task cards

As diggers built the Erie Canal, they realized they had to deal with different elevations. Build a working lock to help workers get around different elevations.

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Challenge task cards

Build a rocket powered car using an old glue bottle for fuel!

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Challenge task cards

You and your friend each think that your shape blocks weight more. Build a working scale and compare the weights of your shape blocks.

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Challenge task cards

Your sister keeps taking your candy! Develop a Lego candy dispenser to keep your candy in.

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Challenge task cards

Build a board game out of Lego pieces.

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Challenge task cards

Build a spinning top out of Lego pieces. Test it out by seeing how many vertical Lego pieces your top can knock over!

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Challenge Task Cards

Build a triangle that is the same length on all three sides.

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Build a cube out of Lego pieces.

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Challenge task cards

Build a rectangle out of Lego pieces.

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Build a rectangular prism out of Lego pieces.

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Challenge task cards

Build a hexagon out of Lego pieces.

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Challenge task cards

Build a square pyramid out of Lego pieces.

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Build a pentagon out of Lego pieces.

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Build a pyramid out of Lego pieces.

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Challenge task cards

Make something inspired by your favorite book.

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Make something using only one type of Lego brick.

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Make a game that you can play with a friend.

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Challenge Task Cards

Make your favorite food. See if a friend can guess what you made.

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Build a Christmas tree.

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challenge task cards

Make a four leaf clover.

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challenge task cards

Build a Christmas wreath.

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challenge task cards

Make a Jack-o-Lantern.

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Challenge task cards

Build a gingerbread house.

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Challenge task cards

Make a snowman.

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Challenge Task Cards

Make something that opens.

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Challenge Task Cards

Santa's reindeer are sick on Christmas Eve! Design a way for Santa to deliver all of the toys.

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You have only two minutes to make something! GO!!!

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Challenge task cards

You have only 1 minute to make something! GO!!!

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Make a self-portrait.

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Design a racetrack for a matchbox car.

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Build ANYTHING that will move when your teacher points a fan at it.

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Design a pulley system to transport Lego pieces using only Lego pieces.

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Your Lego man is working in a mine, deep underground. Construct a structure to protect him from the pressure inside the earth.

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Challenge task cards

Your Lego man has moved to an extremely frigid and snowy climate. Design a shelter to protect him from the snow and winds.

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Build a Tic-Tac-Toe game board out of Legos. Play a game with a friend to test your design.

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Build your favorite fruit and see if a friend can guess what you built.

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Design a pattern using your Legos. It may pertain to colors, shapes, or an original idea!

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Use your Legos to teach a friend how to add two numbers.

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Challenge Task Cards

Use your Legos to teach a friend how to subtract two numbers.

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Challenge Task Cards

Use your Legos to teach a friend how to multiply two numbers.

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Challenge task cards

Plan and construct a structure that moves in some way.

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Challenge task cards

Design and build a useful tool that will enrich your life in some way.

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Challenge task cards

Design a device to carry water. When finished, you will have one minute to make multiple trips, carrying water from your station to a designated location. Let's see which team can carry the most water!

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Design and build a trap to catch a leprechaun who is causing mischief in our classroom!

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Create a pumpkin patch marble maze. Be sure to use pumpkins as obstacles within the marble race. Trade with a friend!

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Challenge task cards

Construct a tree that has lost its leaves. It must be freestanding and stand at least 12 inches tall.

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Challenge task cards

Construct a Thanksgiving table that is at least 4 inches off the ground and can hold weight.

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Challenge task cards

Create your very own Halloween monster that has moveable parts.

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Challenge Task Cards

Construct a Lego Mayflower that can float and hold weight.

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Challenge Task Cards

Construct a Halloween fun house maze. When finished, trade mazes with a friend and use marbles to race.

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Use your Legos to construct a teepee, wigwam, or longhouse that a Lego person can stand inside.

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Using a flat piece, design and build a fall scene using Legos.

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Develop a way to transport pumpkin seeds. Let's see which team can transport the most pumpkin seeds in one trip!

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Challenge task cards

Build a tower that is at last 12 inches tall and can hold an apple on top.

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Design and build a wearable Lego construction for Halloween.

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Build a desk organizer to hold your school supplies.

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Challenge task cards

Build a 3 dimensional pumpkin, using only your Legos.

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Challenge task cards

You are a mad scientist. Build a fortress to protect the princess you have captured.

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Challenge task cards

After every mad scientist has trapped their princess, exchange your fortress with a friend. You are now a gallant knight, attempting to rescue the princess using only the Legos you have left over.

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Design and construct a haunted house using only your Legos.

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Challenge Journal

Name: _____

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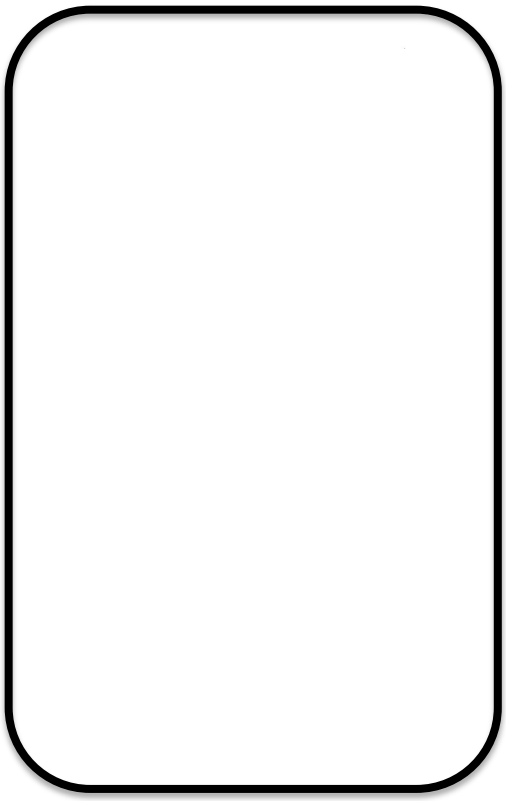
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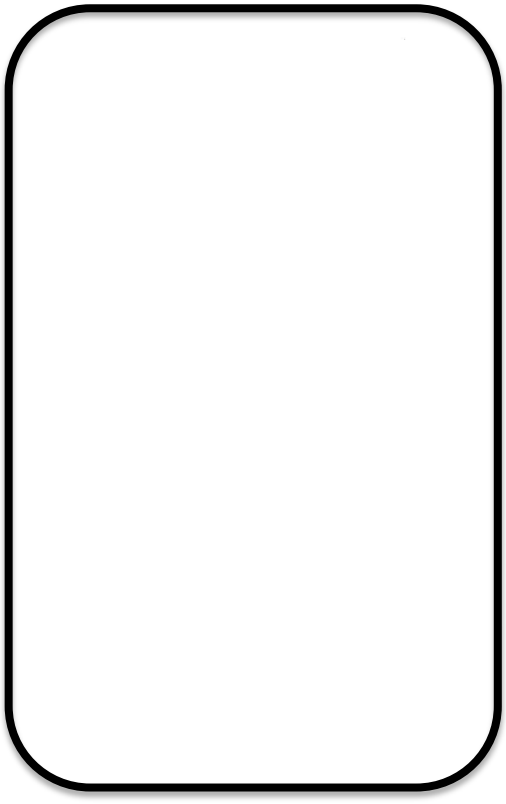
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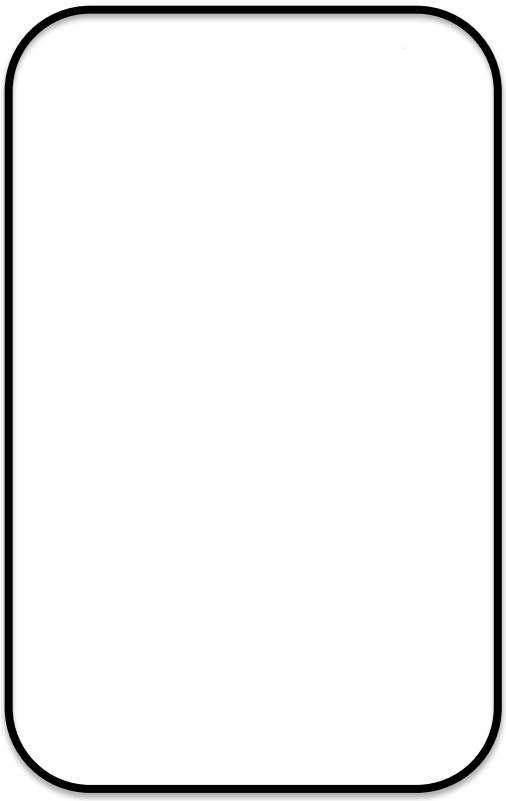
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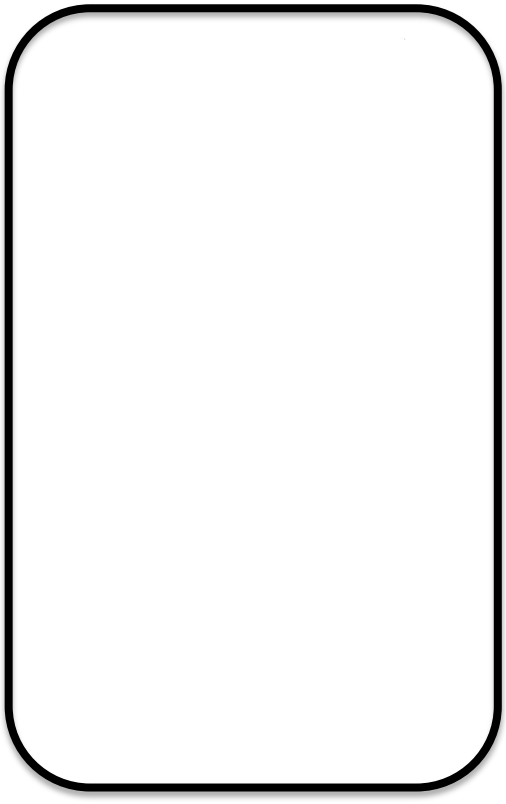
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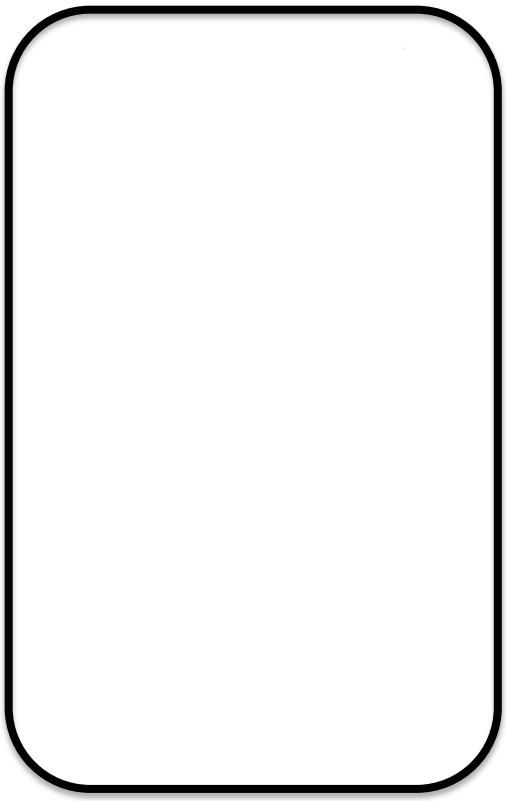
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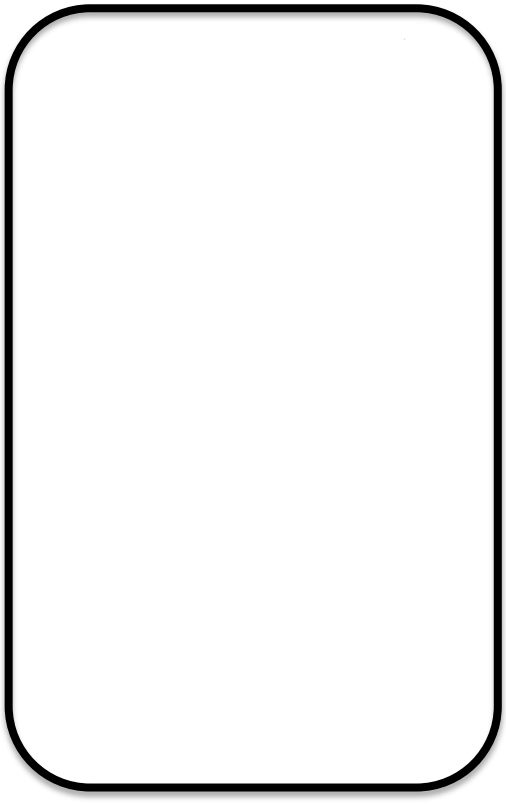


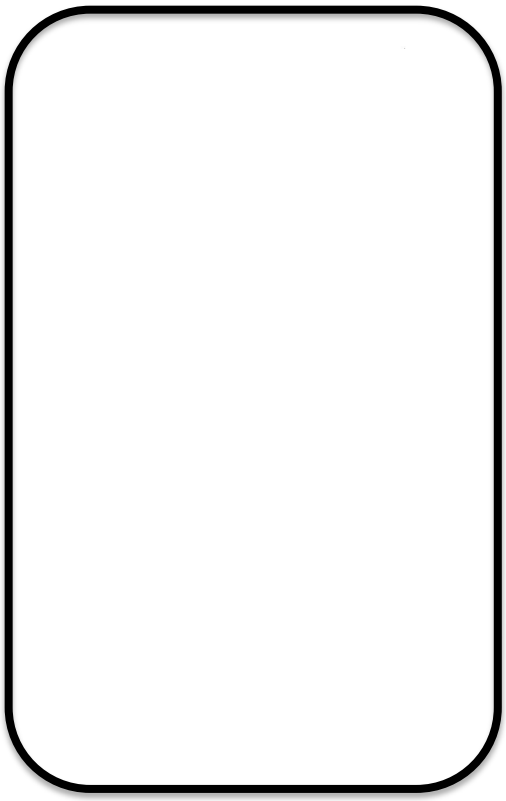


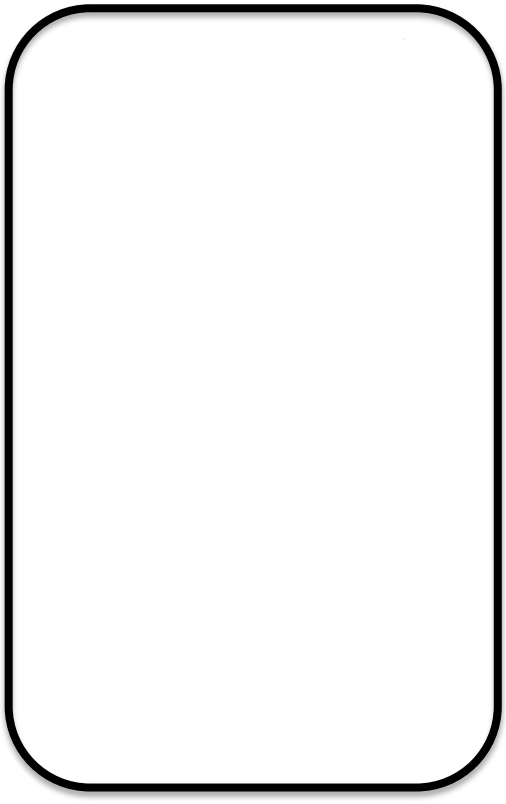




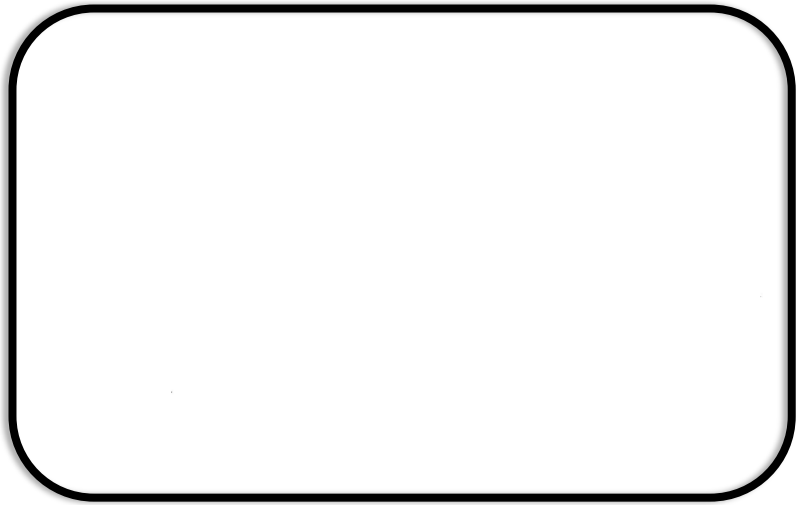




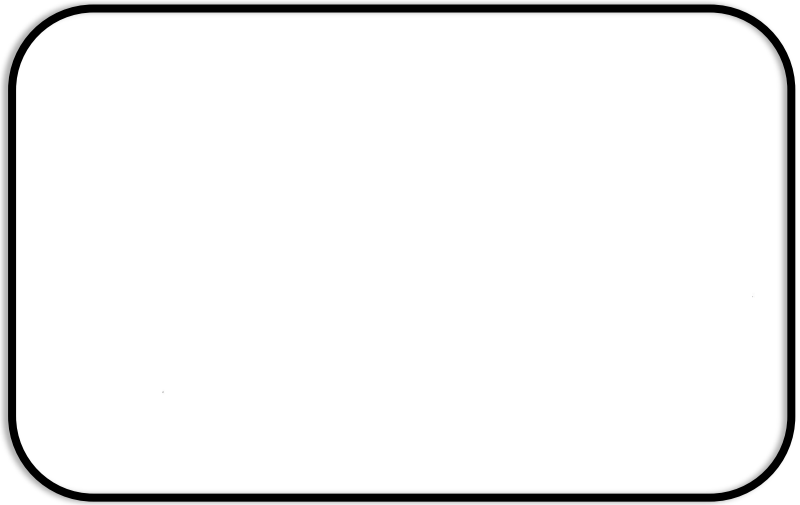




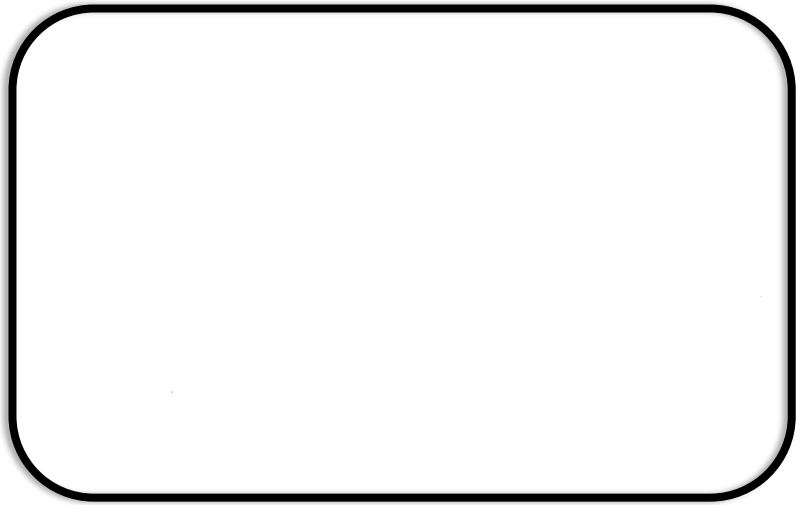
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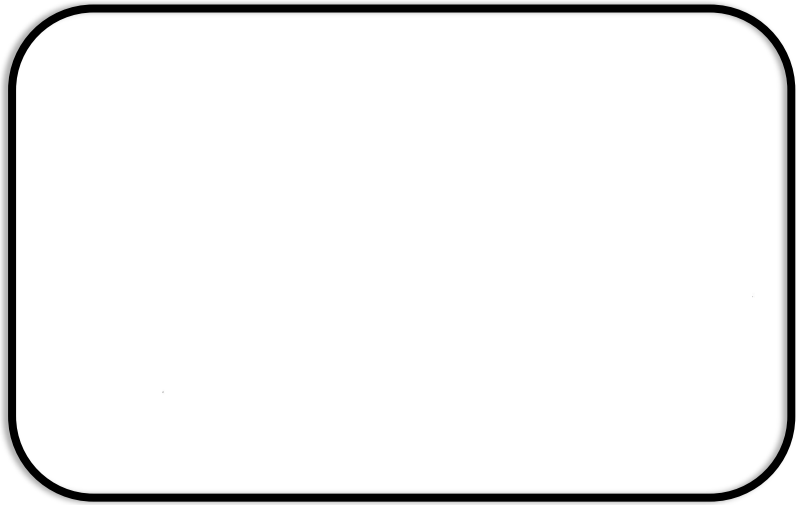
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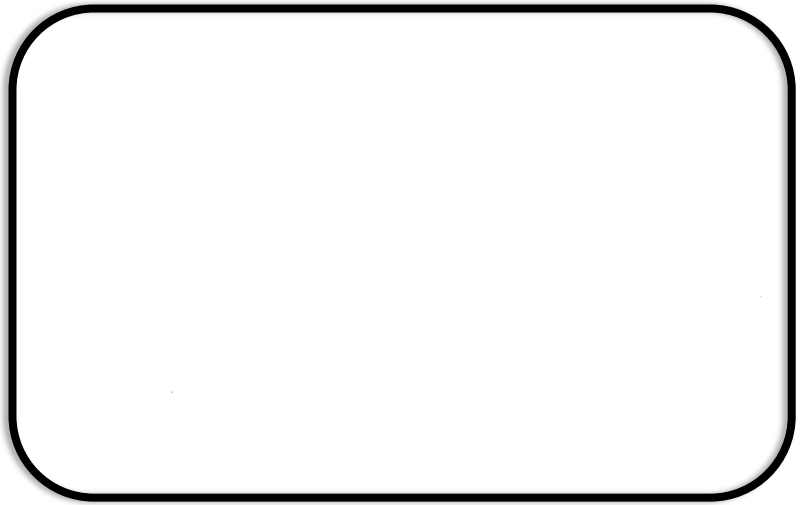
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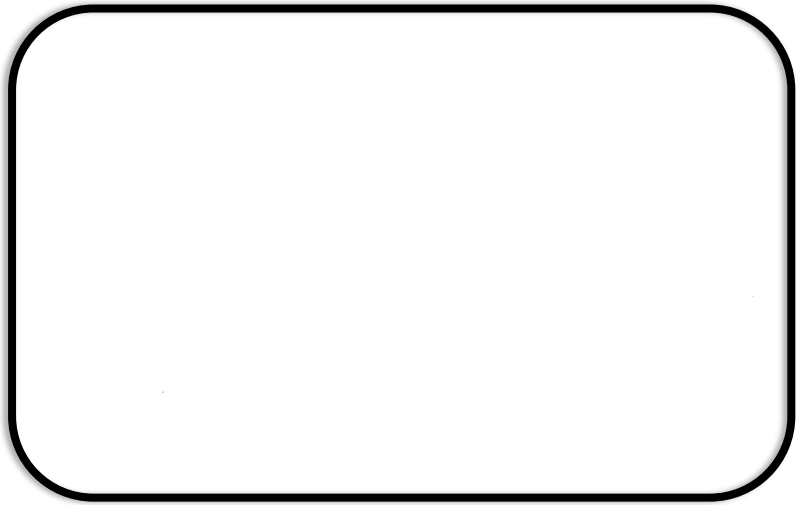
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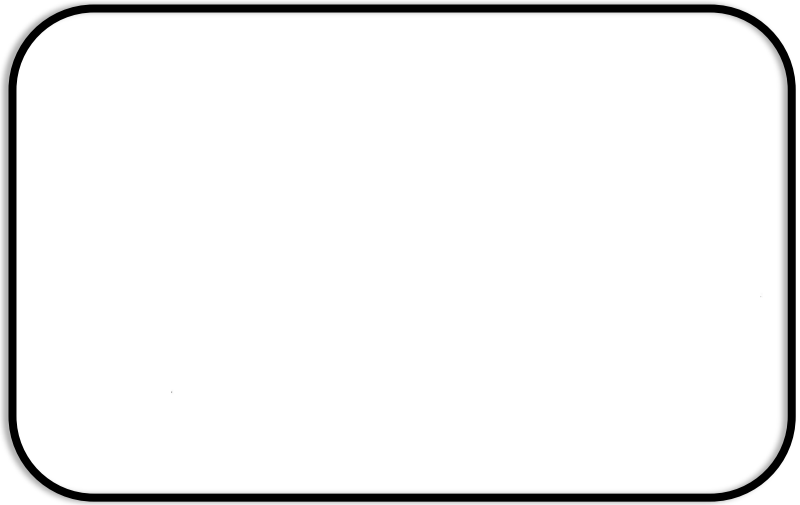
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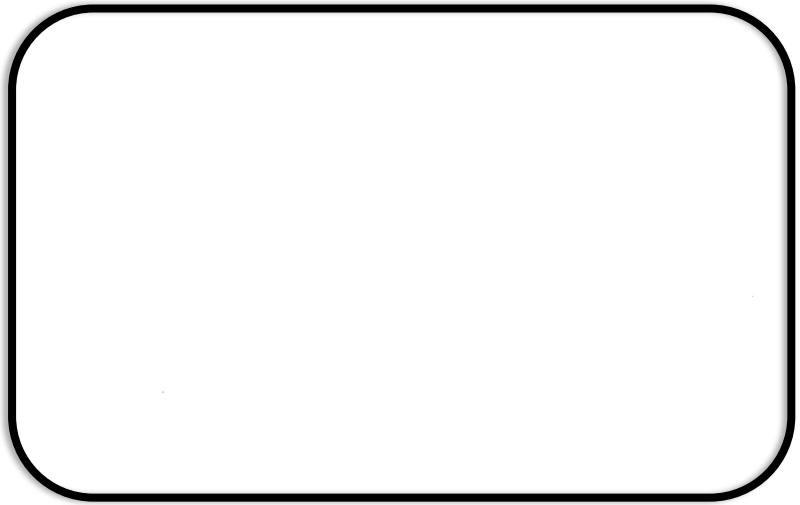
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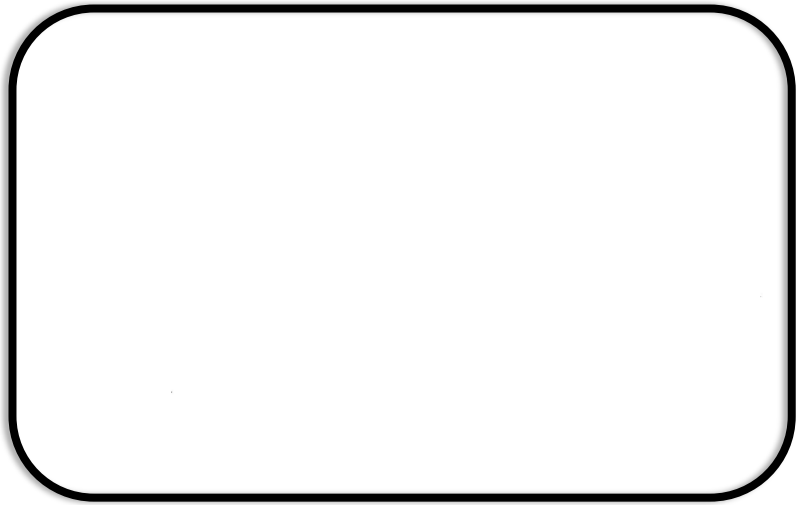
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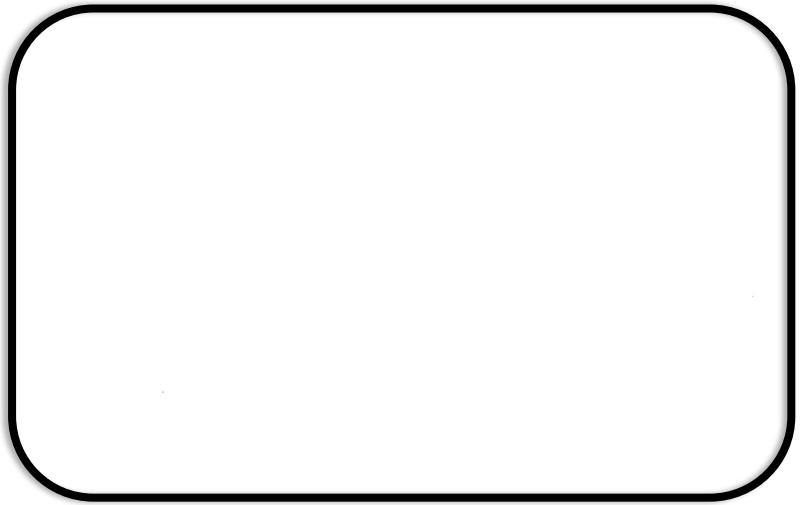
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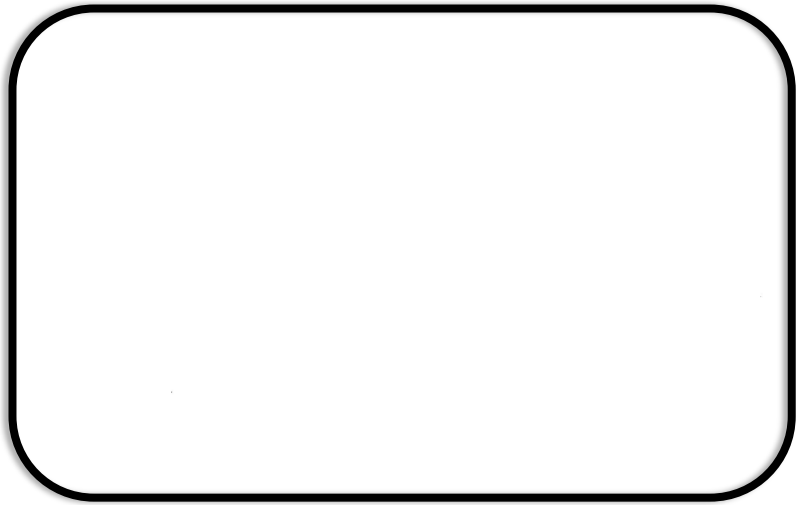
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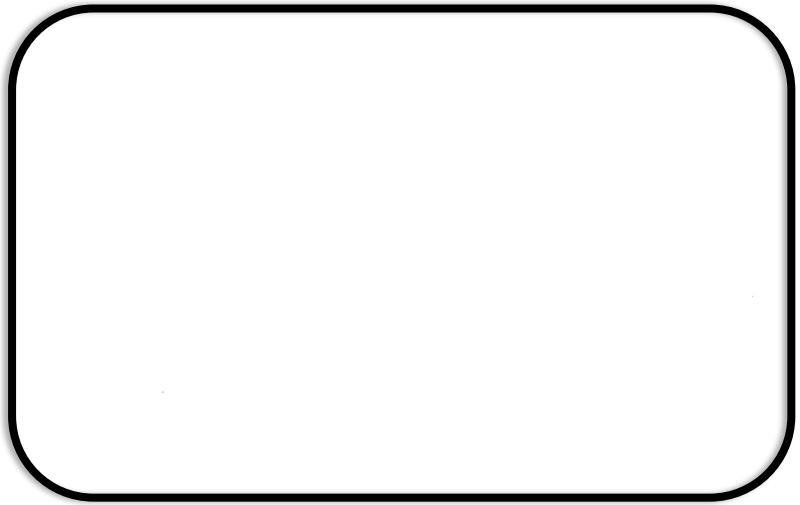
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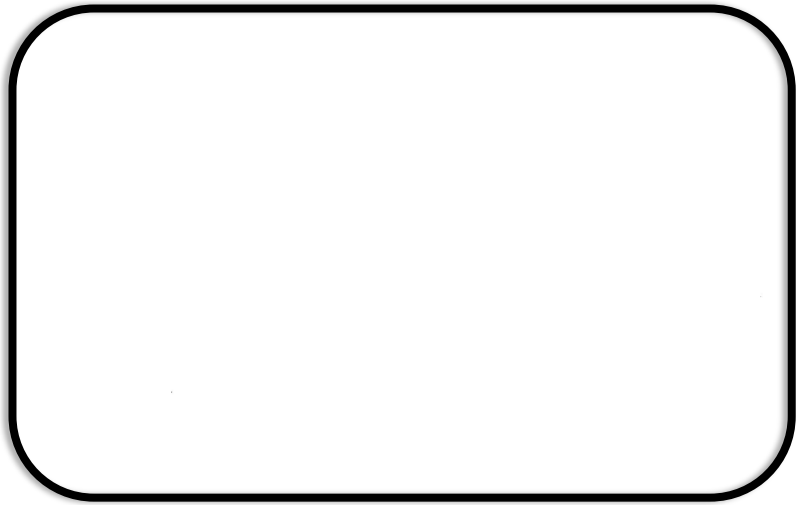
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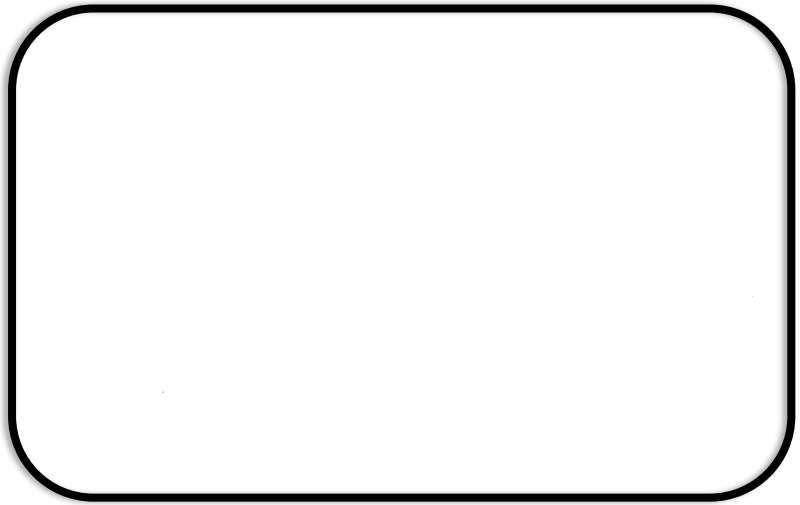
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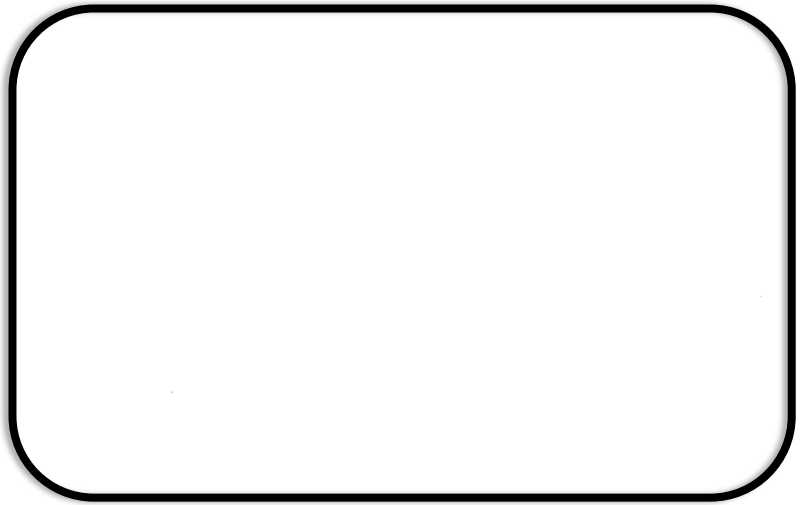
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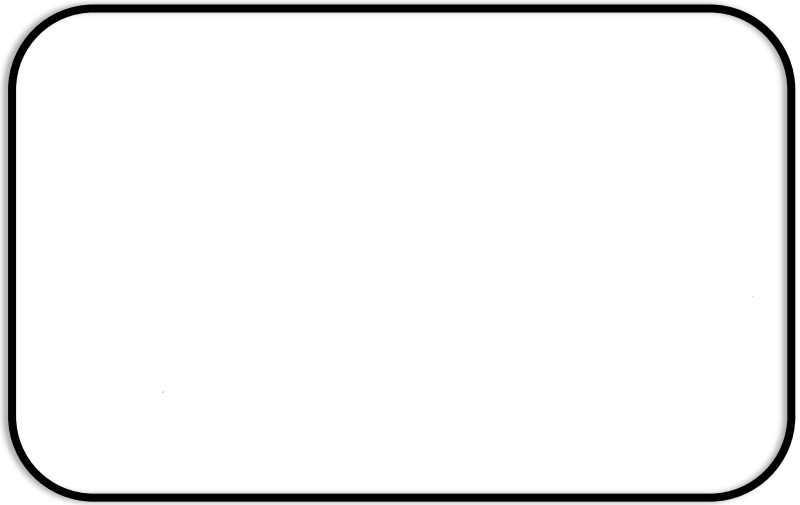
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Thank you!

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