

Classical Conditioning

Name:

Class:













Who is Ivan Pavlov?

What did the dogs learn?

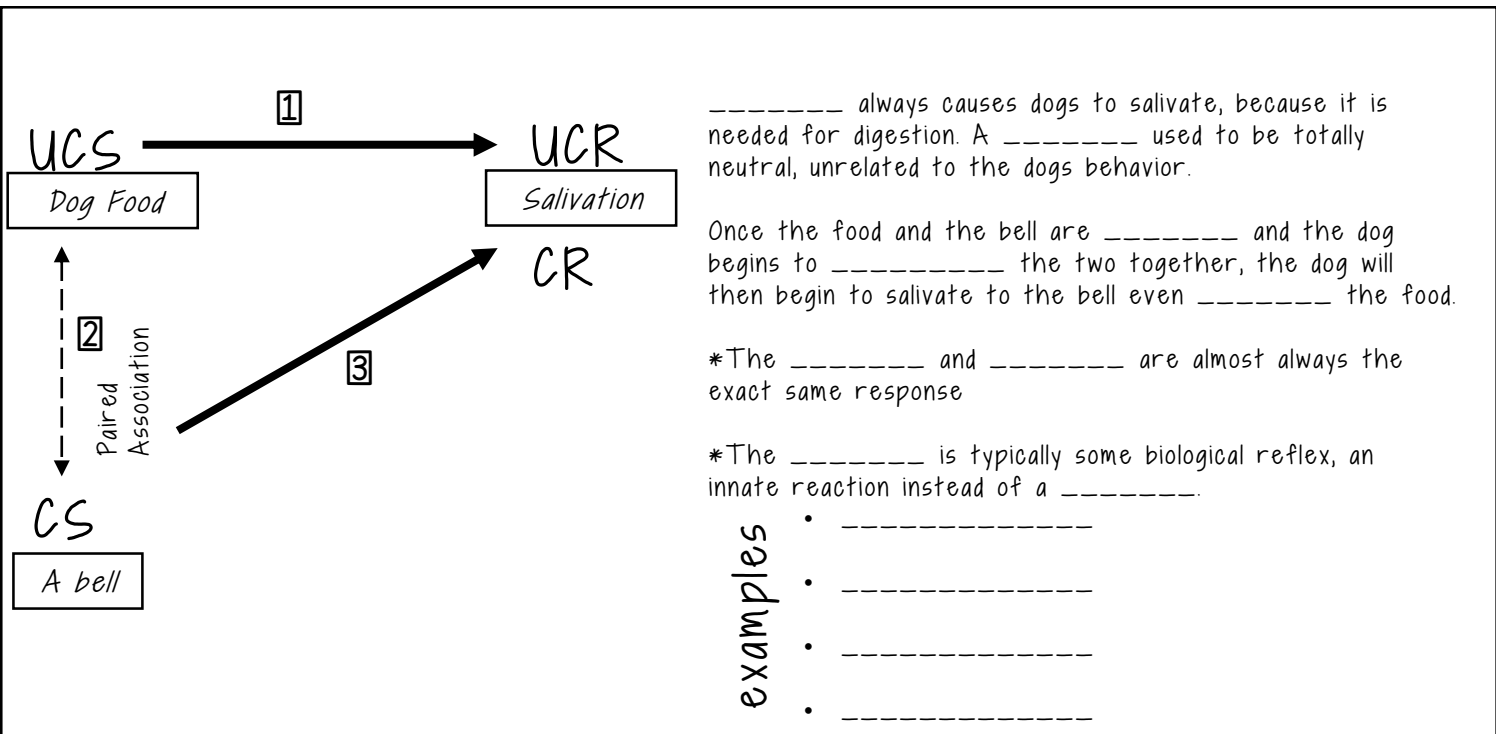


How did Pavlov dedicate his future to psychology?

History

Neutral 		Acquisition 	
Unconditioned Stimulus 		Extinction 	
Unconditioned Response 		Spontaneous Recovery 	
Conditioned Stimulus 		Generalization 	
Conditioned Response 		Discrimination 	

Vocabulary



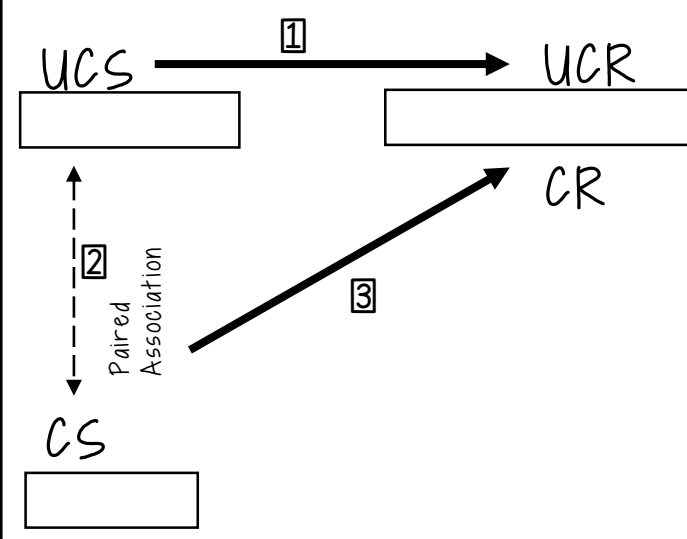
_____ always causes dogs to salivate, because it is needed for digestion. A _____ used to be totally neutral, unrelated to the dogs behavior.

Once the food and the bell are _____ and the dog begins to _____ the two together, the dog will then begin to salivate to the bell even _____ the food.

*The _____ and _____ are almost always the exact same response

*The _____ is typically some biological reflex, an innate reaction instead of a _____.

- examples
- _____
 - _____
 - _____
 - _____



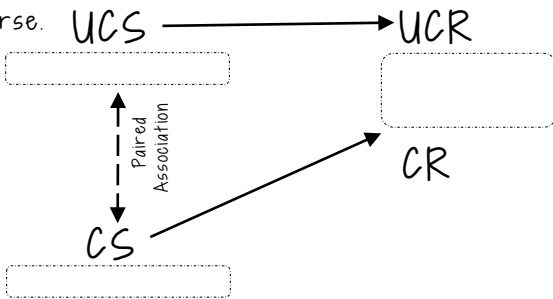
Loud noises _____ a startle reflex to warn us of danger. It triggers our _____ response.

Once the loud noise and a light are _____ together, one might be _____ to jump at the light, even without the loud noise present.

Graphic Organizer

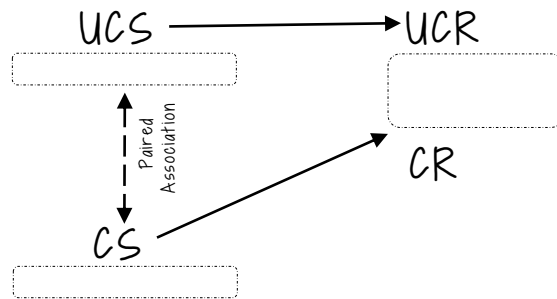
Jack loves to ride horses. He knows how to take care of them as well as ride them. One day, he is getting ready to ride his horse, Ol' Blue. As he walks around the backside of the horse, suddenly he hears the rattle of a rattlesnake in the bushes beside the fence. The horse gets afraid and rears up on his hind legs, then takes off at a gallop toward the stable.

After that, Ol' Blue will rear up every time Jack walks toward the back side of the horse.



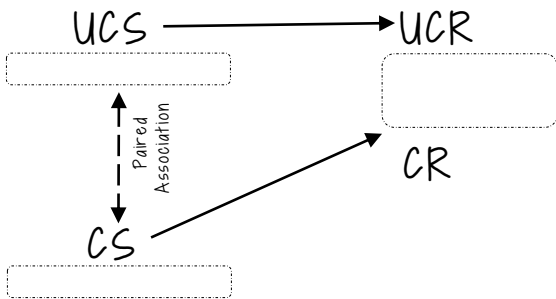
Sanji is in middle school. He has a new group of friends this year, who like to pull practical jokes and be the class clowns. Sometimes they are mean when they are trying to be funny. They think its fun to scare him every lunch when they walk behind him to sit at the table.

Now, he flinches every time anyone walks behind him at lunch or during a class.



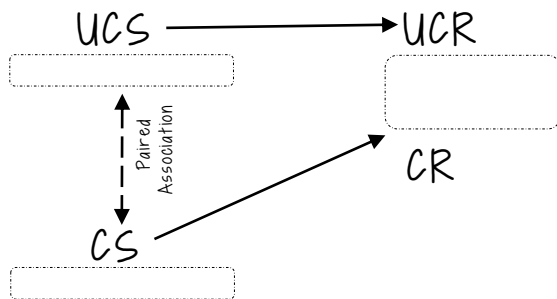
Daliah has had a toothache for days. It's so bad she can't even eat. Her dad takes her to the dentist, who says she needs to have a cavity filled immediately. They begin drilling before she is completely numb, and the procedure is very painful.

From then on, she fears the dentist and refuses to go for her normal checkups.



Logan is a very curious little child. He is fascinated with exploring the world around him, even when his mom and dad tell him not to. One day, he takes a fork and touches the prong into the electrical outlet, receiving a painful but not life threatening shock.

As he grows up, he refuses to touch outlets to plug or unplug lights, cords, chargers, etc.



Scenarios

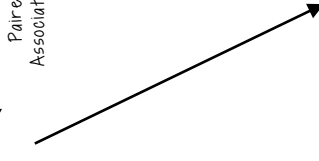
Little Albert

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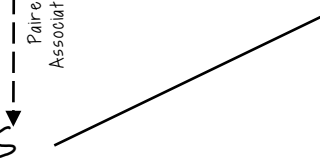
Food Aversion

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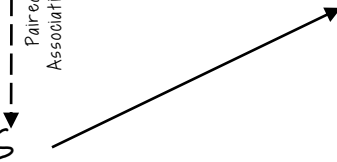
Medical Profession

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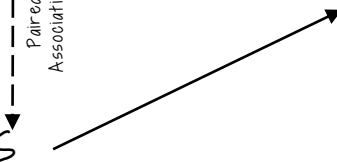
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Applications

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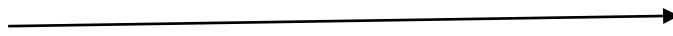
Tomas gets a beautiful new Betta fish for his desk at work. It is a dark iridescent blue with giant, feathery fins. He names the fish Clark.

Every morning when Tomas gets to work, he taps on the side of the bowl to wake up Clark. Tomas then feeds him a few pellet of fish food, and Clark swims up to the top to eat. He opens and shuts his mouth again and again until he finds the food and eats. They happily spend the rest of the day together, working and swimming.

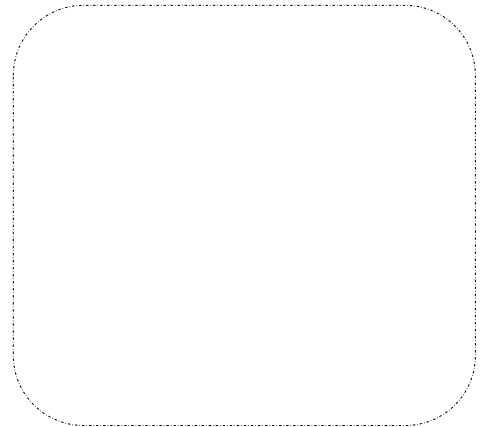
Soon, Tomas realizes that as soon as he taps on the glass, Clark swims to the surface and begins looking around for food before Tomas has even put it in the bowl. Throughout the day, he notices that he can make Clark swim to the top of the bowl and open his mouth simply by tapping on the glass.

While Tomas is gone on vacation, Victoria from down the hall feeds Clark for him. She does not tap on the bowl when feeding the fish, and Clark just finds the food accidentally when he swims around during the day. When Tomas gets back from vacation and taps on the glass, Clark does nothing. He does not react at all.

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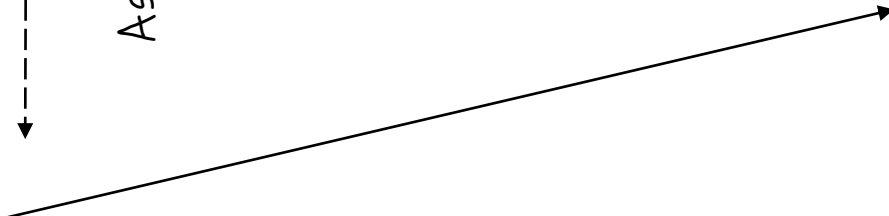


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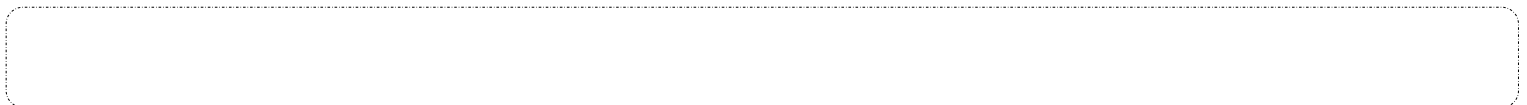


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Barbara loves Pumpkin Spice lattes from Starbucks. They are her favorite. She looks forward to the beginning of September as if it were Christmas. Every time she drives past a Starbucks, her mouth waters and she begins craving a Pumpkin Spice latte.

Her husband hates how much money she spends on Starbucks in the fall. He got her Pumpkin Spice coffee for their Keurig at home. She refuses to drink it, stating "it's just not the same."

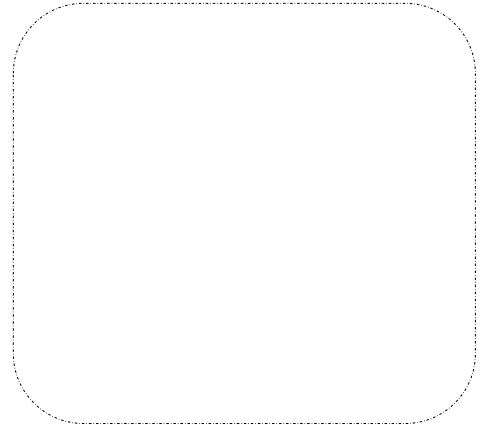
After several weeks of drinking Starbucks Pumpkin Spice lattes, she goes for her morning drink and is devastated to hear they are out of Pumpkin Spice and won't get any more for weeks. Slowly, day by day, she stops craving the drink and drives by the Starbucks without reacting.

One early November morning, she suddenly begins craving Pumpkin Spice so badly her mouth starts watering, and she swerves into the Starbucks drive through. Lucky for her, they have Pumpkin Spice back in stock and she gets her latte fix. She begins her daily routine again, much to her husband's dismay.

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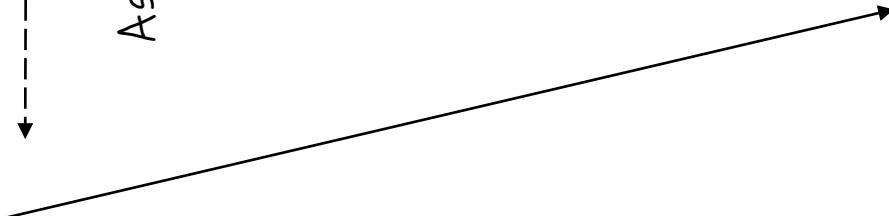


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Miguel attends a Halloween Haunted House with his older cousins and their friends. He is unsure about going, as he doesn't really enjoy being scared. He's also worried that he's too young for it and he'll look like a baby if he gets scared in front of the older kids.

At the Haunted House, he makes it through to almost the end without being too afraid. However in the last room, the scary clown with the chainsaw chose to grab him. He screamed and ran out of the room, shaking. He tried to laugh it off with his friends, but inside his heart was beating so fast and he felt sick to his stomach.

Afterwards, the group went to the theatre to see Stephen King's "It". Once he saw Pennywise the Clown, he left the theatre crying. From then on, he had a fear of clowns that no one could talk him out of. He refused to go to the circus, and never set foot in a Haunted House again.

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Jasmine is at the eye doctor for her annual checkup. She has to get all the tests done on the machines before she will see the real doctor. One machine in particular is unpleasant to experience; when you put your forehead against the bar, it shines a light into your eye and then blows a puff of air into your eye. Jasmine hates this one! Immediately after the puff of air, her eyes blink and begin to water uncontrollably. Finally, the machines are done and she's able to wait for the doctor.

Once Dr. Sanchez comes into the room, he asks her to put her forehead against his machine. A light shines into her eye, and reflexively she blinks and her eye begins watering. Dr. Sanchez hands her a Kleenex and they continue the exam.

Because she needs contacts, she has to come back later the next week for a fitting. The assistant has her test on the machines again, and before the puff of air is even released, her eyes blink and start watering.

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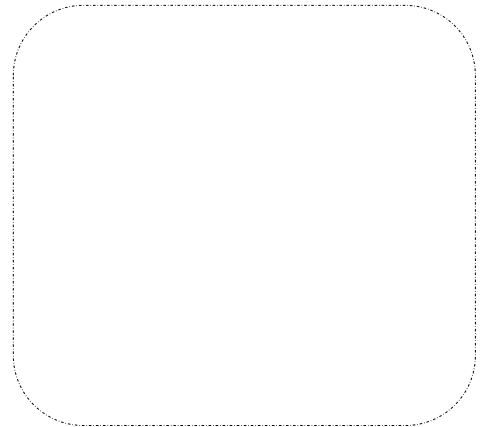
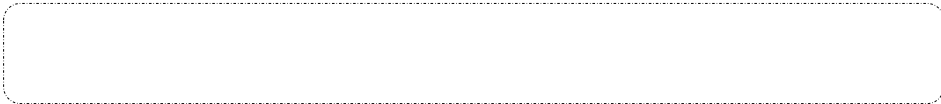
Braelynn just got her driver's license two weeks ago, on January 18. At the time, the roads were clear and the weather was nice. However, last night it snowed 2 inches of wet, slippery snow. She has to go to work at 9am, and the roads are only partly cleared. On the way to work, she is rear-ended another driver because she wasn't able to stop in time at the slippery intersection. They call the police, and the officer gives her a \$200 ticket for failure to maintain control of her vehicle. Because of this, she is late for work and gets yelled at by her boss; her parents are going to make her pay the ticket and the extra insurance costs; and she has to pay to get her car front bumper fixed. She's upset all day, shaking from the adrenaline, crying and sick to her stomach with worry.

The next time she sees a police car driving by her, her stomach drops and her heart beats quickly in fear. She feels like crying, even though the policeman is not pulling her over and she isn't breaking any laws. This fear reaction continues every time she sees a police car, whether they are driving down the street or parked.

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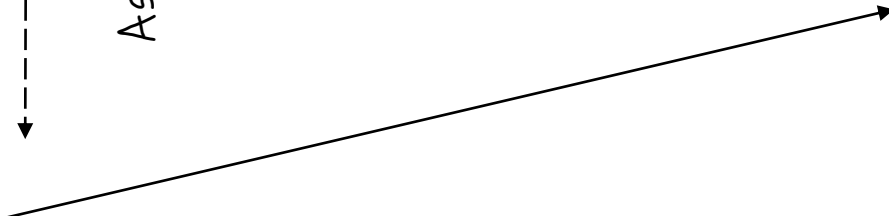


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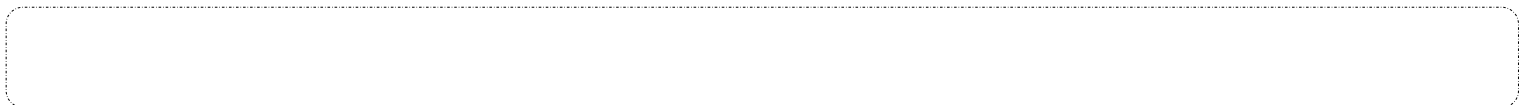


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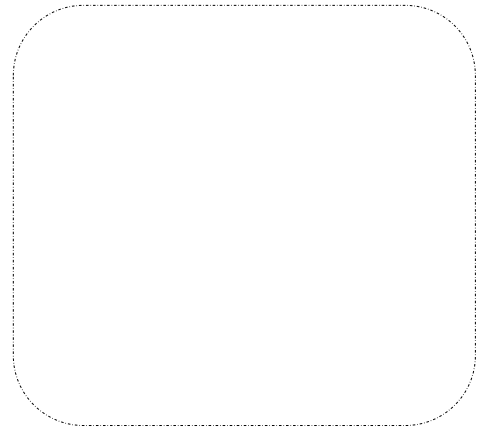
James has Biology class 4th period, right before lunch (10:30-11:20am)

Each day, when the bell rings for class to start, he notices that his stomach begins to growl in anticipation of lunch. Sometimes, instead of paying attention to class, he thinks about whatever delicious food they will be serving in the lunchroom that day, and his mouth begins to water. If he can get away with it, he will even sneak a snack into class and eat during the lecture.

One day, the schedule is changed due to an assembly and semester testing. Instead of being right before lunch, Biology is changed to the 2nd period (8:50 am). Even though he just ate breakfast at 7:30, he finds his stomach growling and his mouth watering. He's not sure why he's suddenly so hungry, but he can't think about anything but food.

The following day, once the schedule is back to normal, he sits through his 2nd period class without a single thought of food or hunger pains.

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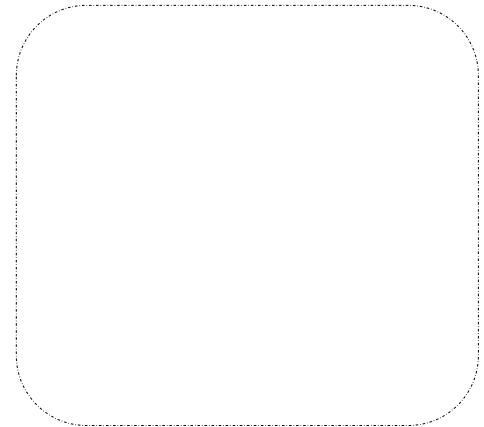
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Talia is in a large lecture class at her community college. Every class, the Economics professor shuts the lights off to show a PowerPoint of his information. When the lights go off, her eyes naturally dilate, or become larger, to help her see in the dimness. At the end of each presentation, the professor's computer makes a loud "ding" sound to signal it is over. At this, the professor switches back on the light, and Talia's eyes contract to normal to adjust for the brightness. This goes on for the entire semester. Soon, Talia begins to associate the "ding" with the lights coming on.

One day, the professor realizes he has one more thing to add and doesn't turn the light on after all. However, Talia's eyes contract in anticipation of the light, and she finds it hard to see in the dark, even though she's been in the dark lecture hall for 45 minutes.

One day in a different class, she hears the same "ding" from someone else's computer. Even though the lights are already on, her eyes contract as they would in her Economics class.

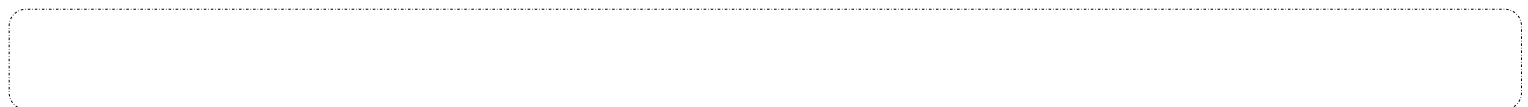
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Write your own scenario!

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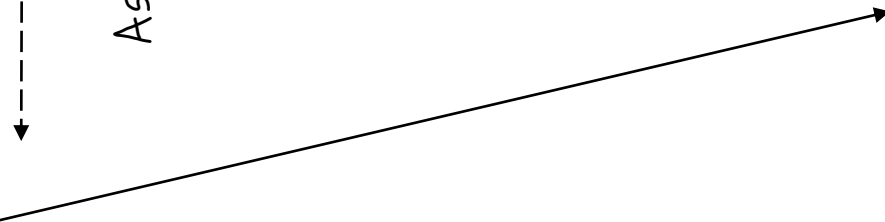
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