

Fa applied Force
(just a codd-all term
For when you try
and push or pull something)

For tension

(the force in a string)

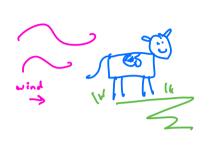
• strings can only pull an object - you

can't push something with a string

Some	Less Common F	onces
Fd	Drag Force -	the name for air resistance.
FL	Lift Force -	with planes ? helicopters, this is the aerodynamics force from the wings that "lifts" The plane off the ground.
F_{t}	Thrust -	the force from a plane or rocket engine



Back to The Cow & more examples



Now imagine there is a wind trying to posh the cow to the right. Because it is standing on the ground, The con doesn't move - because ERICTION will hold it in place.

A car driving to the right @ constant speed.



For all the forces cancel
For so constant speed

Fa - the applied force, which comes fun the engine & tires the engine & tires

For - dwag Force trying to slow the car down.

If Fa > F, the car would speed up If Fa < F, the car would slow down when all the forces cancel out, we say the NET FORCE is Zero.

Finet = 0
$$\iff$$
 constant velocity!

(acceleration = 0)