Catalog

2021



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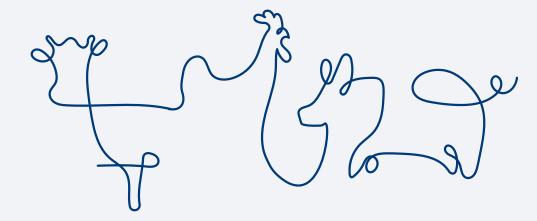
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ACTUATOR | GENERAL

ACTUATOR

Actuator (120V or 36V AC)

Product code: 100-00001_100-00005

Designed especially for the agricultural industry, **Zaxe actuators** are quiet and reliable. The assembly support is simple to install and the potentiometer is designed for ease of replacement.





- Available in 24", 36" and 48" for 120V AC
- Available in 24" for 36V AC
- Replacement potentiometer available
- Load up to 350 kg (800 lbs)
- 1 year warranty
- Quiet

- Reliable
- Adjustable support



FEED WEIGHER | GENERAL

FEED WEIGHER

Product code: 450-00080

It's all about accuracy when it comes to scales. The **Zaxe** feed weighing system is designed for accurate continuous or batch weighing.

When you need a precise amount of feed delivered, don't think of anything else but the **Zaxe** Feed Weigher!

Our system is equipped with fixed supports and load cells, for a maximum batch capacity of **400 lbs** at a time. Can be in continuous or batch feeding modes.





- Accuracy
- High quality actuators
- Plastic cover

- Scale designed entirely in stainless steel
- 3-year warranty

• Tolerate extreme weather conditions



FUSE BOX | GENERAL 7

FUSE BOX

"Protect your equipment"

Product code: 101-00001_101-00003

The **Zaxe** Fuse Box protects against equipment voltage returns and electrical overloads that may affect or damage your controller.

The fuse box is waterproof and comes with a transparent cover, a warning light and an emergency power off switch.

Available rating: 2.5 up to 4A, 6 up to 10A and 9 up to 14A.





- Manual control for safe maintenance
- Prevents voltage returns from the fan to the controller
- Resistant and waterproof case
- 1 year warranty



POLYMER WATER METER

Product code: 102-00005_102-00009

Polymer water meters can only be used with **POTABLE COLD WATER** up to 120°F (50°C) and working pressures up to **150 psi**.

The meter can register between **98.5%** and **101.5%** at normal and high flows, and between **97%** and **101%** at the **AWWA** standard low flow.

Accuracy tests are made before shipment, so no adjustment is needed before installation.





- Registers data even at low consumption
- Back flow valve

- Installation: 5/8" x 3/4"
- Can be installed horizontally or vertically
- 1 year warranty
- No adjustment needed before installation



BRASS WATER METER

Product code: 102-00001

Brass water meters can only be used with **POTABLE COLD** WATER up to **120°F** (**50°C**) and working pressures up to **150 psi.**

The meter can register between **98.5%** and **101.5%** at normal and high flows, and between **97%** and **101%** at the **AWWA** standard low flow.

Accuracy tests are made before shipment, so no adjustment is needed before installation.





- Registers data on a compatible controller
- Installation: 5/8" x 3/4"
- 1 year warranty

- Must be installed horizontally
- Available by the liter or the gallon
- No adjustment needed before installation



ULTRASONIC WATER METER

1/2, 3/4 and 1 inch

Product code: 102-00024 - 102-00028

The Zaxe Ultrasonic Water Meter has been tested and proven to be extremely accurate. When connected to an intelligent controller, it allows you to do a more complete analysis of your water consumption, especially in low flow situations.

It allows producers to detect water leaks and damages earlier than conventional water meters. It can be installed horizontally or vertically, depending on the manufacturer recommendations.





- Extremely accurate in low flow
- Available in ½, ¾ and 1 inch
- Compact enclosure
- Waterproof, can be installed under water
- o IP65 / IP68
- 12V DC power supply
- Body made from durable food-class paraphenylene amide (PPA) composite material and fibre glass



DOUBLE AND SINGLE SIDED AIR INLET

Product code: 300-00016C _ 300-00021C

The **Zaxe** double and single sided Ceiling Air Inlets direct air properly during periods of minimum ventilation. The side wings ensure optimal airflow where needed, when opened less than 50%.

Curved doors optimize the air circulation's efficiency by continuously mixing the at ceiling level.





AIR INLET PRODUCTS

300-00018C single sided air inlet 1200CFM 300-00020C single sided air inlet 1500CFM 300-00019C single sided air inlet 2200CFM

300-00021C double sided air inlet 2100CFM 300-00016C double sided air inlet 2500CFM 300-00017C double sided air inlet 4000CFM

- Directs air towards the ceiling
- Airtight seal when closed
- Integrated pulley system
- Easy to clean

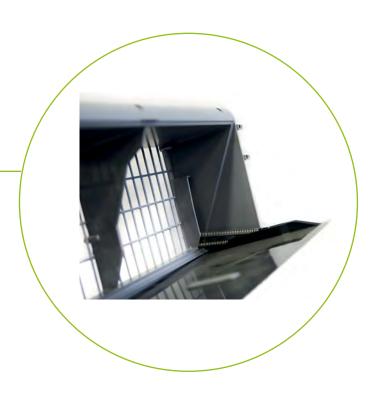
MODULAR AIR INLET

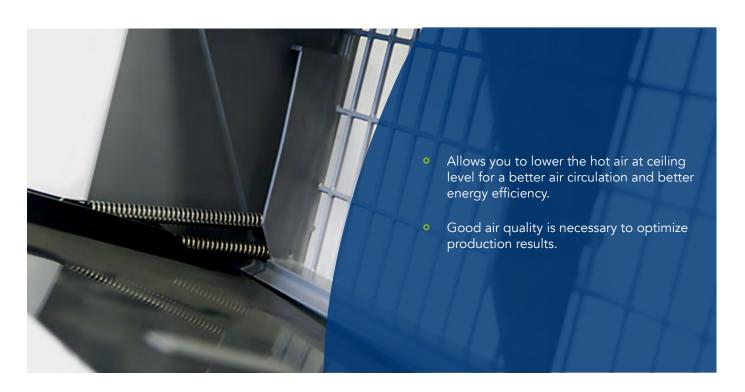
Product code: 300-00001

Maximize your minimum ventilation with the **Zaxe** Modular Air Inlet.

More control over minimum ventilation rates in cold weather.

Sends air further into the building for greater air circulation.





- Allows you to gain control over your minimum ventilation
- Wall opening: 10½" x 21¾"
- 800 CFM
- 1 year warranty

 Minimizes cold drafts over your livestock during winter ventilation

ELECTRIC FEED DROP

Product code: 450-00066

Combine the **Zaxe** Electric Feed Drop with an intelligent controller to maximize the growth potential of your animal production, using only a specific quantity of feed.





Cold-resistant

Precise calibration

Indicator light



BIN SCALE | GENERAL 14

BIN SCALE

Product code: 310-00003

The **Zaxe** Bin Scale is equipped with high-precision weighing cells to give accurate measurements. With fixed brackets, it is mostly used on new installations.

Available in load capacity of 5 000 Kg (11 0000 lbs) or 10 0000 Kg (22 000 lbs).





- Precise
- Robust design

- Load capacity 5 000 Kg and 10 000 Kg
- Raised support

- Ground clearance to avoid ice influence
- 1 year warranty



STATIC PRESSURE SENSOR

Product code: 105-00005

The **Static Pressure Sensor** is an extremely versatile transmitter for monitoring pressure and air velocity in farm buildings.

The patented **Magnesense®** magnetic sensing technology provides exceptional long-term performances, making the **Static Pressure Sensor** the single solution for your pressure and flow rate applications.





- Extremely versatile transmitter
- East to set up

CE certified, IP66

- Long-term performances
- 1-year warranty

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CO2 SENSOR | GENERAL 16

CO₂ SENSOR

DOL 19

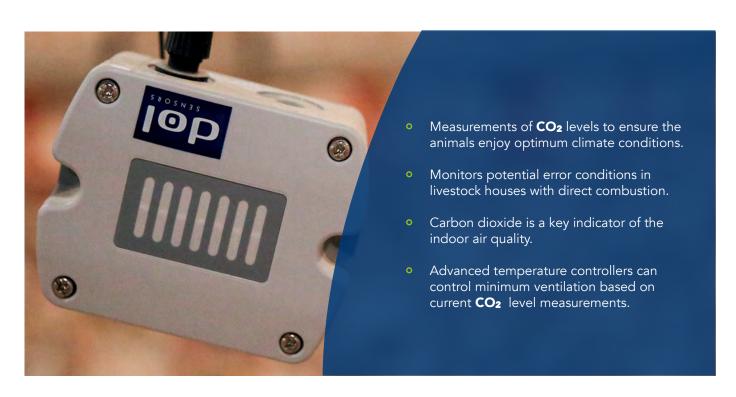
Product code: 105-00009

The **DOL 19 CO₂** Sensor allows to manage the supplied amount of fresh outdoor air in your farm buildings for better air quality and to optimize your production.

Its sturdy plastic casing protects the sensor against harsh livestock house environments. An included sealing plug keeps water and dirt from entering the case.

The maximum level of **CO₂** recommended is 3000-3500 ppm.





- Measuring principle by Non-Dispersive Infrared Technology (NDIR)
- High precision
- Easy to set up and remove during cleaning
- 0-10V and 4-20mA output
- 1-year warranty



AIR VELOCITY SENSOR

F400 Series

Product code: 105-00019

The **F400 Series Air Velocity Sensor** is a versatile, robust and highly performant sensor. It measures air speed and temperature, and displays data in both analog and digital form.

Designed with conformal coated electronics and sealed enclosure, the **Air Velocity Sensor** is suitable for demanding applications, including those in corrosive or alkaline environments.





- High precision
- 19-29V DC voltage range, 15mA nominal
- 1-year warranty

- Resistant to splashes and UV radiation
- Resistant to corrosive or alkaline environments
- CE certified
- IP65 protection on electronics



LIGHT SENSOR | GENERAL 18

LIGHT SENSOR

DOL 16

Product code: 105-00018

Used in livestock buildings, the **DOL 16 Light Sensor** is designed for precise measurement of light intensity to ensure your lights work in due time.

The sensor is equipped with two **0-10V** analog outputs with a very low output resistance and full protection against short circuits and wiring failure.





Precise

Easy to set up

IP67

• 0-100 lux or 0-1000 lux range

1-year warranty

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RELATIVE HUMIDITY SENSOR

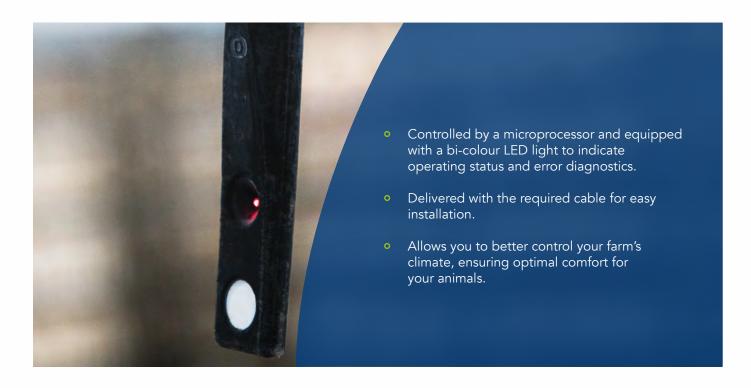
DOL 104

Product code: 105-00001

The **DOL 104 Sensor** is a high-precision climate sensor to measure relative humidity levels in farm buildings. Equipped with a special element and a built-in filter, it is the most reliable humidity sensor on the market.

The sensor features a low-resistance output with full protection against short circuits and wiring problems.





- High precision
- 4-20 mA, 0-10V output
- Easy to install
- 11-30V DC supply voltage
- 1-year warranty
- P67



AMMONIA SENSOR

DOL 53

Product code: 105-00023

The **DOL 53 Ammonia Sensor** is designed for continuous measurement of ammonia (**NH**₃) concentration in livestock buildings. It provides accurate measurements of ammonia at low and high concentrations, without requiring any calibration.

The **DOL 53** Sensor can be installed inside the farm without any need for tubes nor pumps.





- Very accurate NH₃ measurements
- Resistant material for product durability
- 24V DC power supply, 10mA
- Easy to set up, no calibration needed
- 1-year warranty
- IP65



WATER PRESSURE SENSOR

Product code: 105-00014

The **Water Pressure Sensor** assures you that the water is getting to your animals. It is ideal for producers who seek high levels of performance, reliability and stability at an unbeatable price.

The product consists of a highly precise piezo-resistive sensor inside a compact and robust stainless-steel housing.





- High precision
- High performance, reliability and stability
- 4-20mA output
- 1-year warranty

- NEMA 4X (IP66) stainless-steel enclosure
- CE certified design



FEED SENSOR | GENERAL 22

FEED SENSOR

DOL 44RH and 44R

Product code: 105-00024 / 105-00028

The **DOL 44R and DOL 44RH** Sensors are **30 mm** capacitive relay feed sensors for the detection of feed, grains, and solids.

Their settings are easily changeable via two trimmers with a small, included screwdriver. The sensors also have a high immunity to electrical communication and transient noise.





SUPPLY VOLTAGE

90 - 265V AC, 47 - 63 Hz 10 - 30V AC/DC, 47 - 63 Hz 20 - 280V AC/ DC, 47 - 63 Hz

RELAY

Max. resistive voltage, 250V AC: 5 A Max. delayed voltage, 250V AC: 2 A Min. relay power, 12V DC 100 mA



BACKUP THERMOSTAT

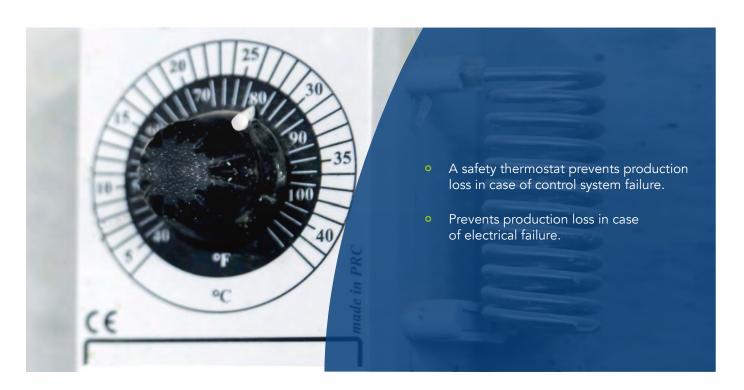
Product code: 103-00001

Mechanical Thermostat SP-DT in a ABS enclosure, for fan or heater control.

Can be used to operate fans or heaters in livestock buildings, or any other electrical appliance requiring manual control.

Water, dust and impact resistant plastic case. Fire resistant for trouble-free operation.





- Operating temperature range from 32 to 104 °F
- CSA certified

1 year warranty



AUTOMATIC BIN VALVE

Product code: 310-00016

Built for tandem bin layouts, the **Zaxe** Automatic Bin Valve, combined with a compatible intelligent controller, allows automatic bin changeover when minimum feed limits are reached.





- Enables automatic bin changeover
- Stainless steel

- Adapts to most bins
- Visual identifier

• Compatible with most systems



CURRENT SENSOR

Product Code: 105-00022

The **CCT50-100 Current Sensor** allows you to measure power and monitor the operation of fans, pumps, and other equipment equipped with 3-phase motors in livestock buildings. Mostly used in new installations, it is easy to install and its split-core configuration needs no cable disconnection.

The sensor has **4-20 mA** outputs and offers 3 jumper selectable ranges: **100/150/200 A.**





- Easy and quick to set up
- 100 / 150 / 200 A inputs
- 4-20 mA outputs
- UL 94 V-0 flammability rated enclosure
- 12-24V DC power supply
- 1-year warranty
- CE certified



TENSIOMETER | GENERAL 26

TENSIOMETER

Model LT - 6 and 12 inches

Product Code: 103-00075_103-00077

The LT Tensiometer (Low Tension) was designed to operate in coarse sandy soils and non-soil growing media. It is also well suited in situations in which rapidly changing soil moisture conditions need to be observed.

This sensor allows producers to automatically measure and track soil moisture when connected to an intelligent controller.





- Measures soil water tension in centibars (cb) or kilopascals (kPa).
- Sealed, fluid-filled tube equipped with a porous "Quick-Flo" ceramic tip and a special vacuum gauge.
- No calibration necessary no matter the type of soil, thanks to its unique operation principle.
- Body made of durable plastic, impervious to attacks from soil chemicals or electrolysis.
- Has a high-quality and highly accurate vent membrane for temperature and elevation compensation.

- 0-40 cb (kPa) reading range
- "Quick-Flo" blue ceramic tip
- Air-free gauge for accurate readings
- Large reservoir for easy maintenance

- IP67 certified gauge designed for harsh environments
- Available in 6 and 12 inches (18 inches on demand)







BIRTLETTELIR PROJUCTIRYE 28

BIRD SCALE

Product code: 310-00001

The **Zaxe Bird Scale** is designed with a 23-inch diameter **Sanalite®** platform to maximize the number of weighing.

Get easy and precise adjustments thanks to its telescopic rod, no tools necessary. The scale is easy to install and to remove during cleaning.

Hardware included (chain and hook).





- Adjustable stainless-steel telescopic rod
- Easy and precise adjustment, no tools required
- Hand locking mechanism
- Resistant and lightweight Sanalite® platform
- Easy to remove during cleaning
- Easily adapts to most systems



PERCH SCALE | POULTRY 29

PERCH SCALE

Product code: 310-00004

Weighing by hand is now ancient history with the Zaxe Perch Scale!

The **Zaxe** Perch Scale is used in commercial laying hen farms (enriched or standard cage systems).

It is made of high quality stainless steel to withstand the worst conditions, and features exceptional accuracy with high-quality weighing cells of 250 kg (551 lbs).





- Made entirely of stainless steel
- Easy to set up

- Adapts easily to most systems conceived for commercial laying hens
- Weighing cells of 250 Kg (551 lbs)
- 1 year warranty



TURKEY SCALE | POULTRY 30

TURKEY SCALE

Product code: 310-00012

The **Zaxe** Turkey Scale is designed with a 32" aluminium square platform (32" x 32" with 4 stainless steel rods at all four corners). Designed to maximize the number of weighings.

Embossed non-slip design. Hardware included.



Non-slip



- Resistant platform
- Easy to remove during cleaning
- Adapts easily to most systems



EGG COUNTER | POULTRY 31

EGG COUNTER

Product code: 103-00007_103-00013

The N Series is unique for its accuracy, making it the most accurate egg counting device on the market today. The unit is designed to be installed on egg belts and conveyors up to 100 cm wide. The N Series easily connects to any compatible controller to display and record all eggs counted.

The N Series is available in 5 different sizes: N20 - 20 cm (8 in.), N30 - 30 cm (12 in.), N50 - 50 cm (20 in.), N75 - 75 cm (30 in.) and N100 - 100 cm (40 in.).





- High precision
- Easy to set up with supplied installation brackets
- Up to one meter wide
- Available in: 8-12-20-30-40 inches
- 12V power supply



LED FEED SENSOR

DOL 28R

Product code: 105-00025

The **DOL 28R** is a **30 mm** capacity relay feed sensor with an integrated **LED** indicator. It is intended for feed pans in poultry production.

Compared to conventional lighting solutions, the **DOL 28R** Sensor is discreet, intuitive, and very easy to install. It can also be used to upgrade existing feed systems in livestock buildings.





- LED pan lighting
- 30 mm feed sensor
- Easy to set up and use
- Robust, discreet and intuitive
- 20 280V AC/DC voltage range

- 1-year warranty
- IP69k protection



LITTER PROBE | POULTRY 33

LITTER PROBE

Product code: 105-00012

Zaxe litter probe makes starting flocks easier.

The litter probe enables producers to manage their ventilation and heating in order to maintain an optimal comfort zone for their chicks and therefore maintain the optimal zootechnical performance of the flock.





- Accurate
- Simple installation
- Stainless steel support
- 1-year warranty
- Temperature probe included







WEATHER STATION | DAIRY 35

WEATHER STATION

Product code: 105-00015

105-00011 (without rain sensor)

The **Zaxe** weather station relays information to your environmental control to adjust panel opening to control air intake in beneficial or detrimental conditions.

This system will maintain desired barn conditions. Its unique bearing design allows quick reaction to gusts and lulls.





- Stainless steel support
- Adjusts to different types of installations
- Response at 2.2 mph
- Available with rain sensor
- 1 year warranty





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SORTING SCALE | SWINE 37

SORTING SCALE

Product code: 411-00000 - 411-00001

The **Zaxe** Sorting Scale allows quick and accurate fattening pigs' weights.

Used with the Maximus solution, it will allow you to standardize your deliveries to the slaughterhouse, thus increasing your profitability.

Offers a return on investment that far exceeds your expectations.

Delivered fully assembled.





- Resistant stainless steel structure, superior to competitors by 0.125
- Open crate enables safe movements of animals
- Painting system for rapid animal identification
- 2 weighing cells located at the ends of the scale, ensuring high accuracy
- Fully compatible with the complete solution offered by Maximus / Maximus Software



PAINT MECHANISM | SWINE 38

PAINT MECHANISM

Product code: 450-00000

The **Zaxe** Paint Mechanism is designed to help locate sows in loose house pens. It allows farm managers to be more effective in identifying sows that require special attention in large pens.

Easy, quick and tool-less replacement of spray marking paint.





12 vdc solenoid

 400 ml (13.3 oz) Raidex aerosol marking spray paint



3P FEEDER | SWINE 39

3P FEEDER

Product code: 450-00065

Elevate your feed management and peace of mind to an unseen level with the 3-P feeder. Integrated with the Maximus controller, it guarantees individual and precise feed distribution.

Feed tray designed with 3 outlets ensures small and accurate feed quantity deliveries.

Operates efficiently regardless of the type of feed used: mash, crumble or pellets.





- Unique "Bobble head" feed detection system. Be 100% assured that your sows have been fed and receive an alarm if this is not the case.
- Allows you to easily transfer your sows from gestation to farrowing when used with the complete Maximus Solution.
- Integrated agitation paddle ensures consistent feed flow, and cleanout of bottle.

- The same efficient system in breeding, gestation and farrowing
- Agitation paddle eliminates feed bridging
- Capacity of feed storage 32lb



SOW FEEDING STATION GROUP HOUSING

Product code: 500-00001 – 500-00001D – 500-00001T

The **Zaxe** Feeding Station allows groups of sows to be fed individually and efficiently. Its simple and resistant design requires little maintenance. It is equally suitable for new buildings or for the retrofitting of existing ones.

Can be used individually or in groups of 2 to 4 stations.





- Easy to set up and use
- Adapts easily to all types of buildings
- Economical and cost-efficient
- Designed for gilts and sows
- Few moving parts
- 1 year warranty



MATERNITY NICHEI SWINE

MATERNITY NICHE

Product code: 600-00000 - 600-00001

The **Zaxe Niche** was designed specially for maternity sows and their piglets.

Available in single and double sizes, it maintains the right temperature for the piglets without affecting the comfort of the sow.

Two options are available to producers depending on their needs:

- Module for heat lamp
- Module to connect the heat lamp to the Maximus controller for real-time monitoring





- Easy and quick installation
- Compatible with the Maximus Solution
- Easy to clean

Adjustable height



EAR TAGS | PORCIN 42

EAR TAGS

Product Code: 430-00002

Destined for swine production, the **Zaxe HDX Ear Tags** are durable, safe and of superior quality. They are made for automatic animal identification and tracking, information management, and epidemic control thanks to the **RFID** technology.

Very lightweight, the **Zaxe Ear Tags** allow you to easily identify your pigs and to quickly and accurately read their information for a more efficient production management.





- The most lightweight tags on the market
- Fast and accurate maximum reading distance
- HDX reading technology

- Reliable and durable
- Easy to install



ANTENNAI PORCIN 43

ANTENNA GESTATION AND FARROWING

Product Code: 450-00063 _ 450-00064

In gestation as in farrowing, the **Zaxe Antennas** allow you to coordinate your sow's needs with your facilities when connected to the Maximus module.

Our antennas are robust and low maintenance. They are compatible with **HDX** and **FDX** electronic tags and have a quick and accurate reading distance.





- Complete antennas for gestation and farrowing
- 1-year warranty
- Sturdy and easy to maintain

- Accurate and quick reading distance
- Reading of **HDX** and **FDX** electronic tags
- Compatible with the Maximus Solution



Zaxe makes it easier

