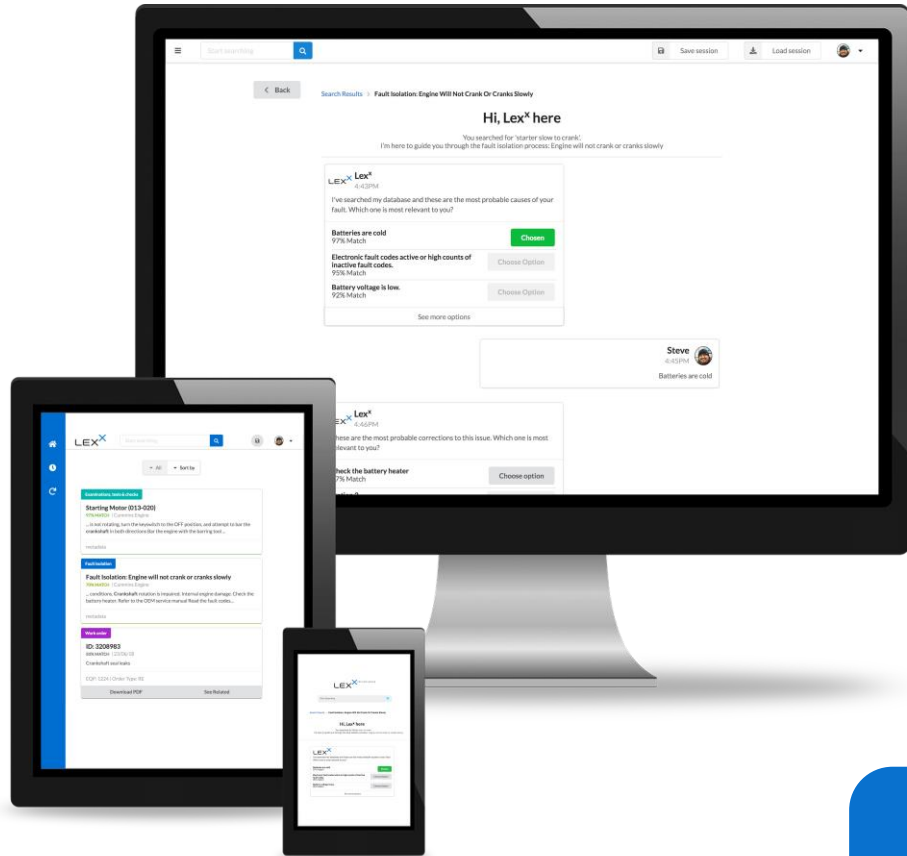# Lex^X | An Overview

→ Provides a **natural language interface** to Systems of Record (ERP, Maintenance and Document Management)

→ Utilises any device (phones, tablets, etc.) to provide solutions at **the right time and place**

→ Is a **digital intelligent system that learns** from:

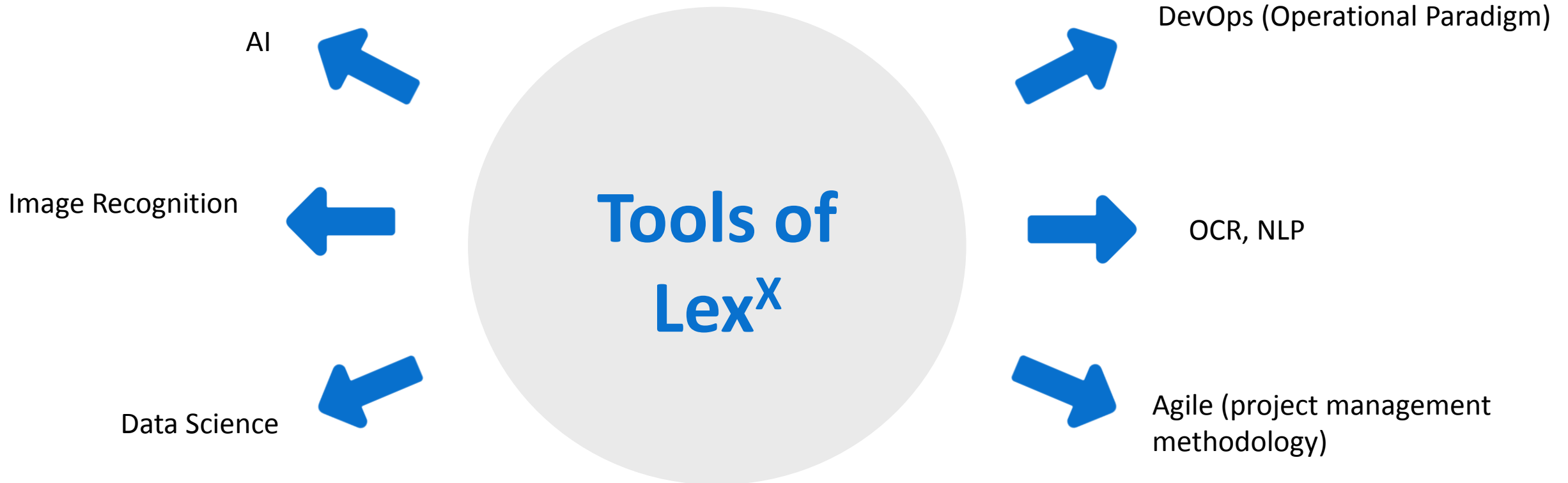- Asset behaviour
- Technician behaviour

→ Guides and instructs the technician enabling rapid fault resolution

"We believe that the Lex^X platform is an evolutionary, unique product. By incorporating machine learning concepts it has set an industry best practice of enhanced data-driven MRO operations''

Frost & Sullivan

Tools, Technologies

The unique capabilities of Lex^X derive from a highly innovative approach to data structuring and storage along with the way Lex^X leverages leading edge technology components

AI

Image Recognition

Data Science

Tools of Lex^X

DevOps (Operational Paradigm)

OCR, NLP

Agile (project management methodology)

Lex^X Innovation Features

✓ **Automated ingestion** of technical documentation

✓ **Digitisation** of handwritten documentation (OCR)

✓ **Intelligent access** to structured storage of documentation

✓ **Natural Language Processing** through Chatbot-like interactions

✓ **Image Processing** for parts recognition

✓ **Machine Learning** from asset and user behaviour

✓ **Open source structure** allows easy integration with other systems

✓ **User-friendly Interface** that's intuitive and easy to use

✓ **Augmented Reality and IoT technologies** (included in 'Product Roadmap')

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Why is Lex^X Unique?

Lex^X provides an intelligent diagnostic solution to technicians that is *not* available from current systems

Purpose built for maintenance using **latest technological breakthroughs** including Deep Machine Learning
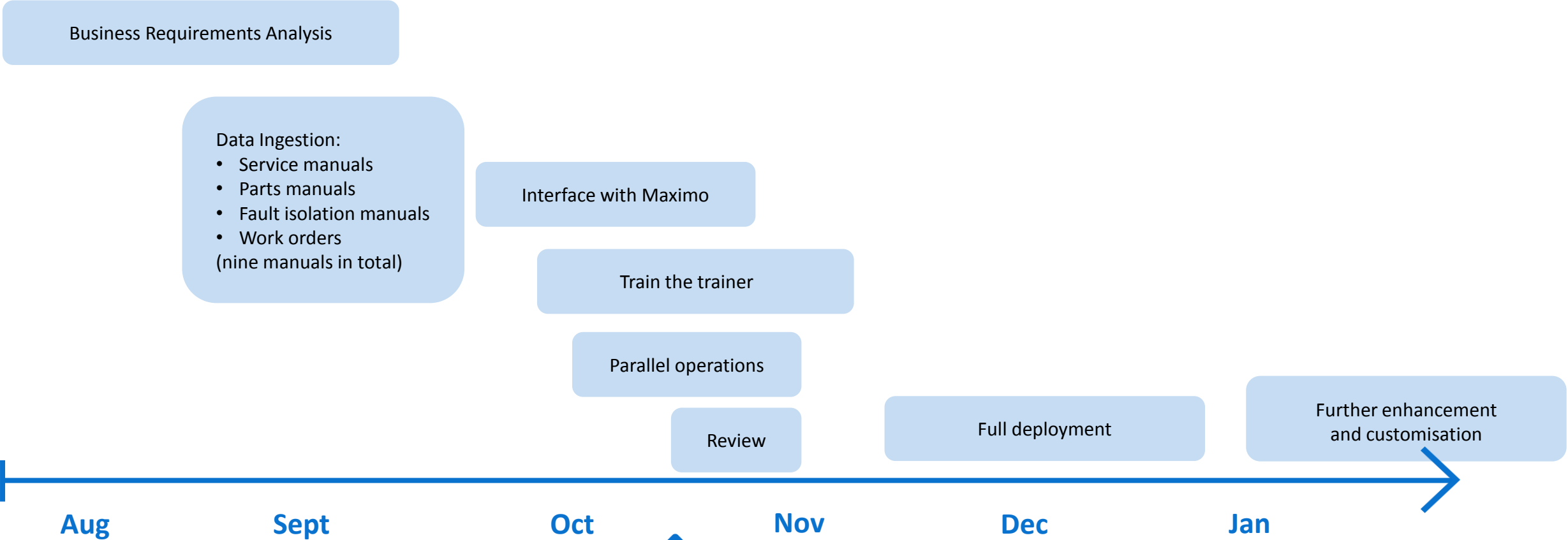
Enables decentralisation of decision making, empowers technicians and **unleashes the possible**

Unique approach to data structuring enabling improved diagnostics and fault resolution

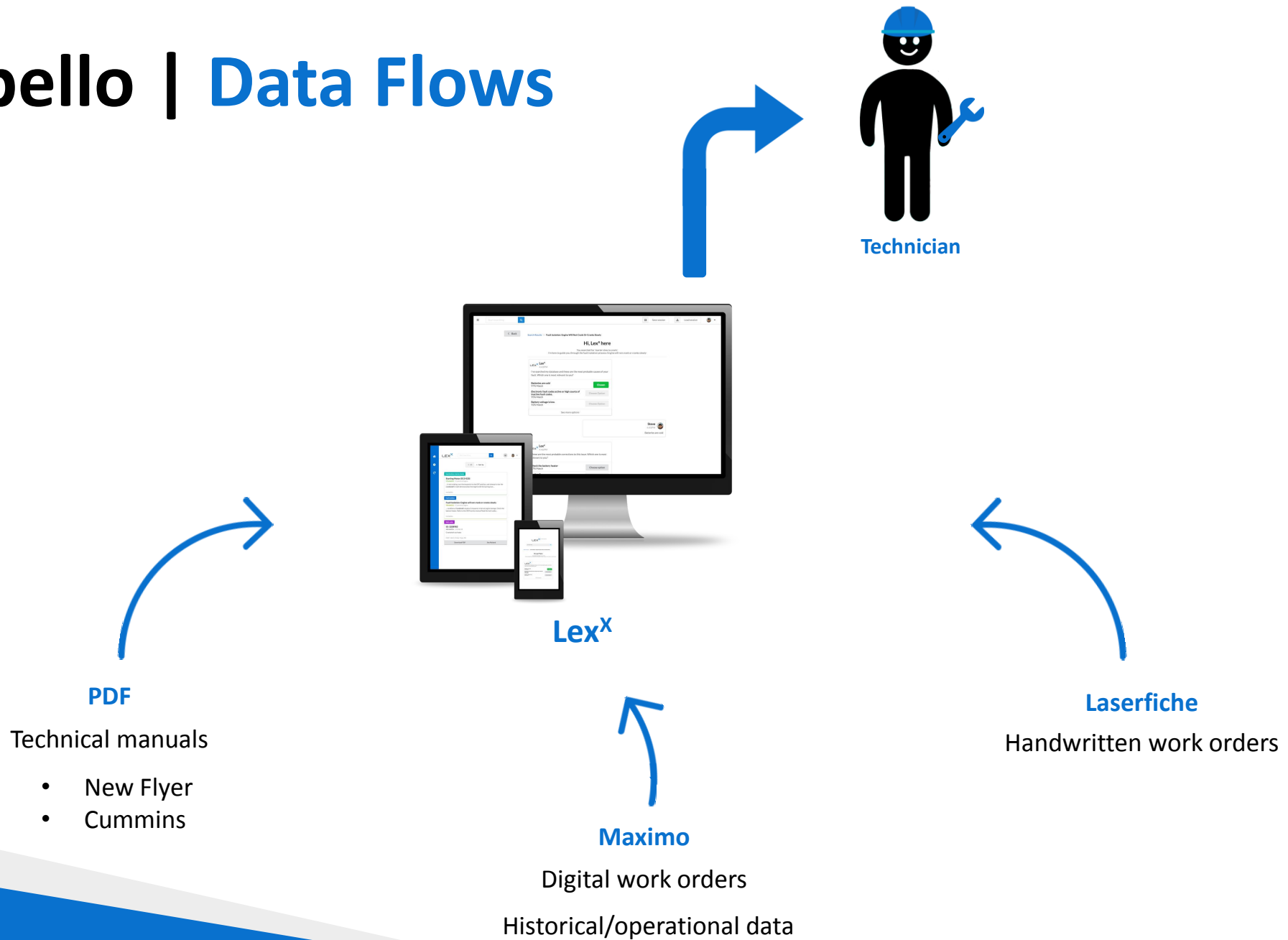Intuitive, easy to use digital system **for the modern day technician** that is economic to implement and operate

Open standards **allow easy interface** to existing maintenance, ERP and document management systems

Montebello | The Project

Business Requirements Analysis

Data Ingestion:
- Service manuals
- Parts manuals
- Fault isolation manuals
- Work orders
(nine manuals in total)

Interface with Maximo

Train the trainer

Parallel operations

Review

Full deployment

Further enhancement and customisation

Aug **Sept** **Oct** **Nov** **Dec** **Jan**

Californian Transit Association Conference

Montebello BUS LINES

Montebello | Data Flows

Technician

Lex^X

PDF

Technical manuals

- New Flyer
- Cummins

Maximo

Digital work orders

Historical/operational data

Laserfiche

Handwritten work orders

Our **Vision**

"Check with Lex^x"