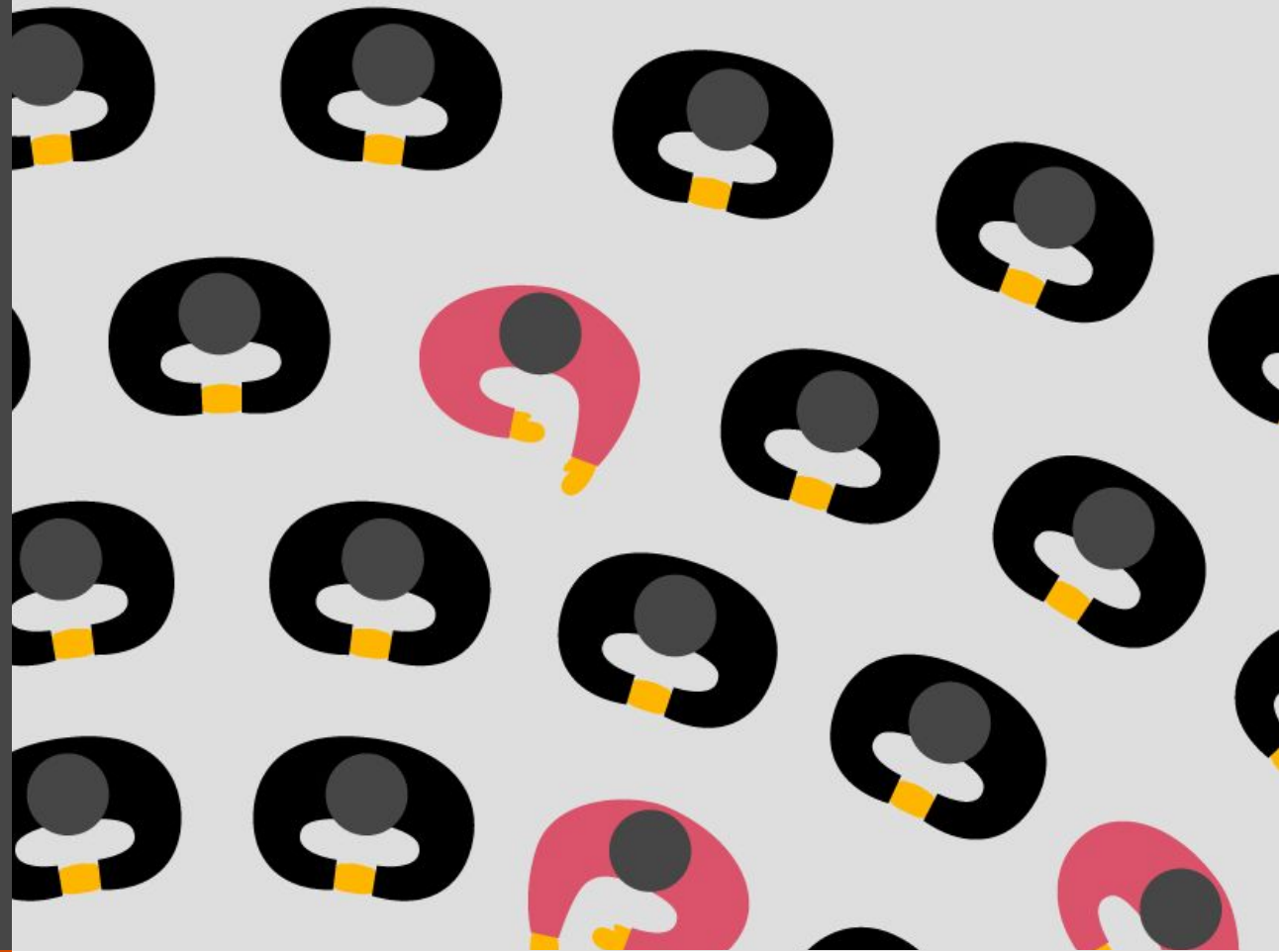# AI and the implications for the Future of Work

Jon Andrews

Head of Technology & Investments
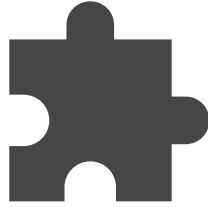
@jonandrews139

pwc

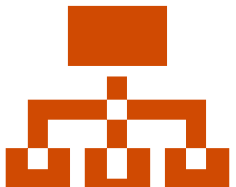# What do we mean when we talk about AI?

Artificial Intelligence

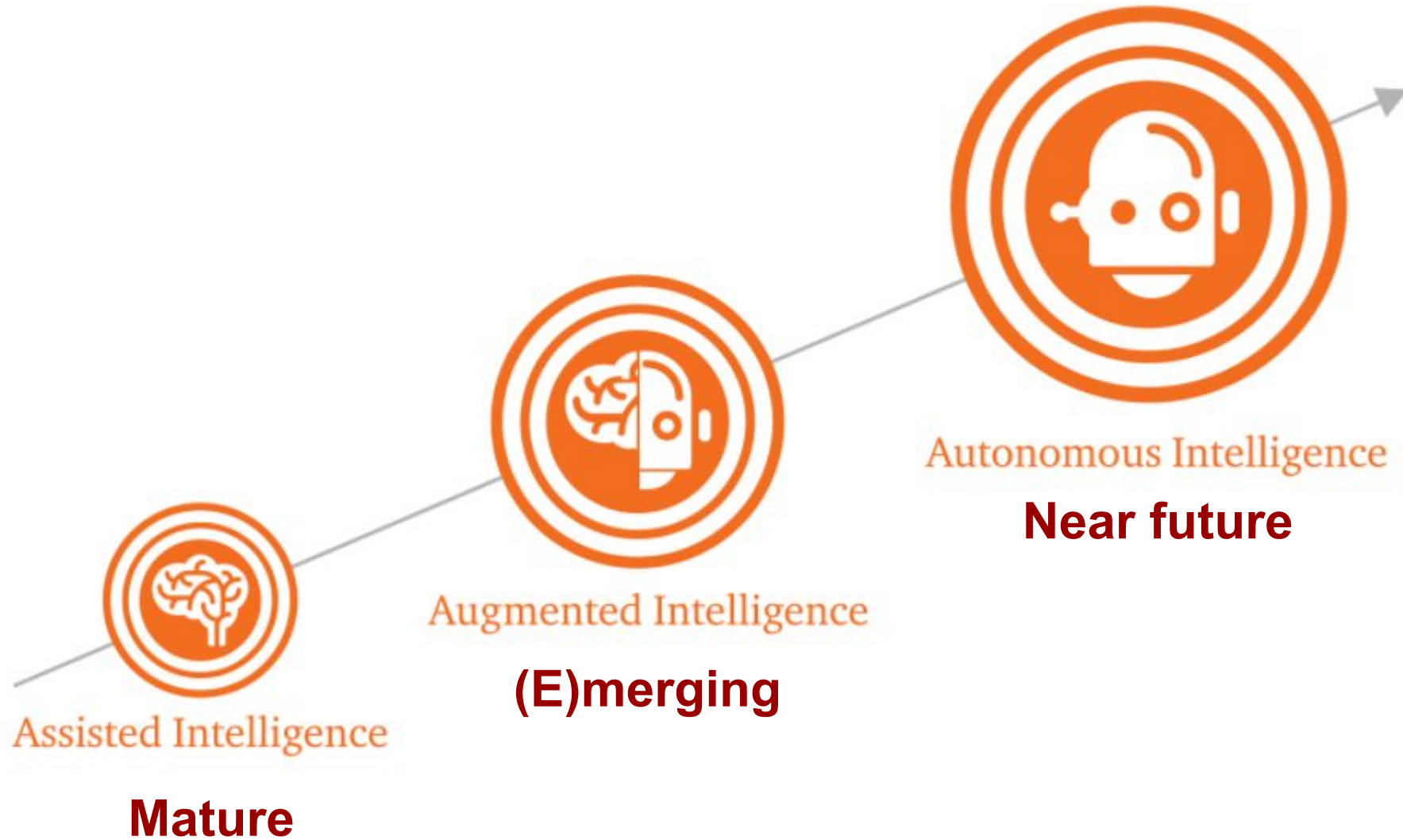**Natural Language Processing**

Machine Learning
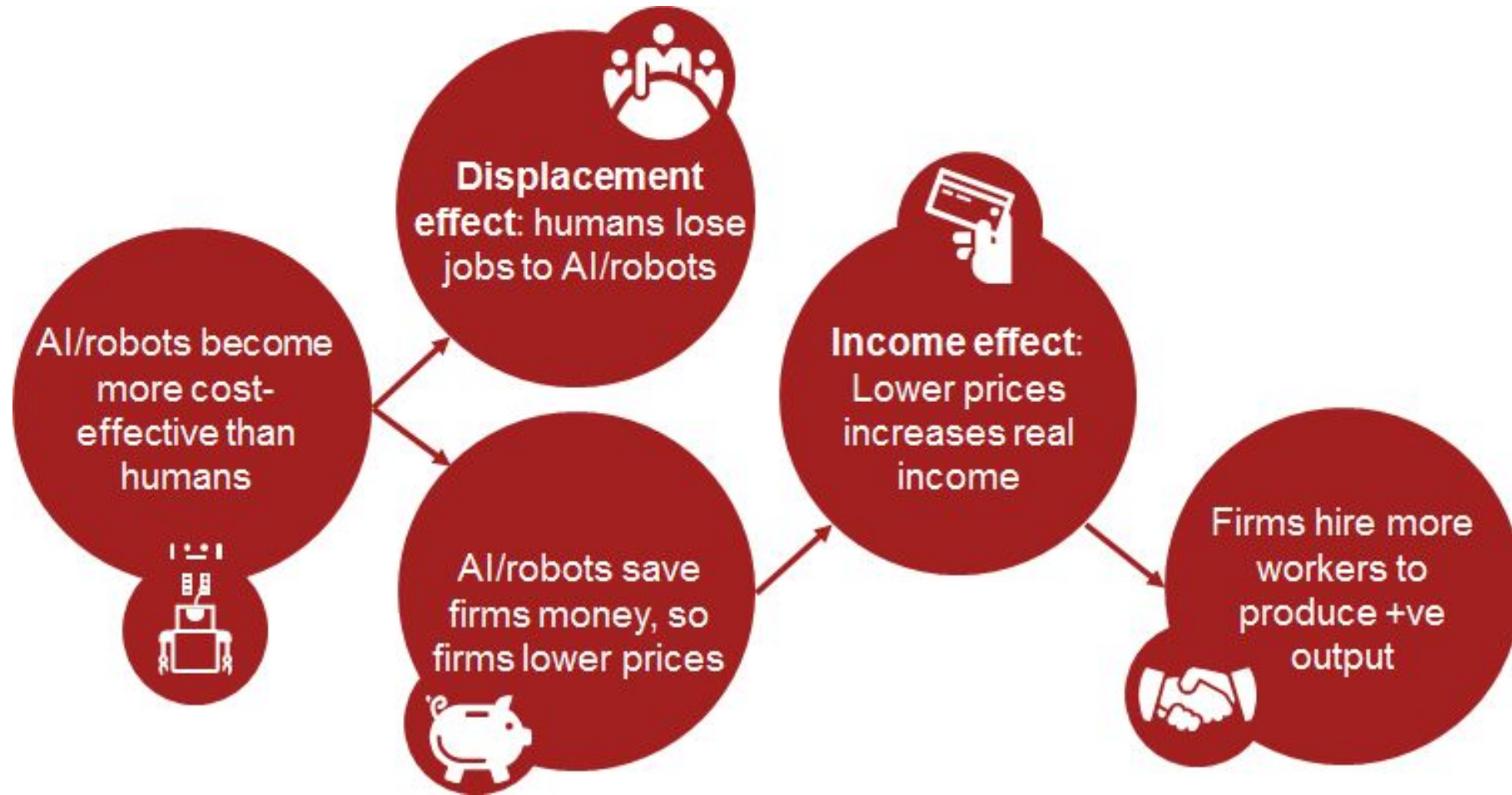
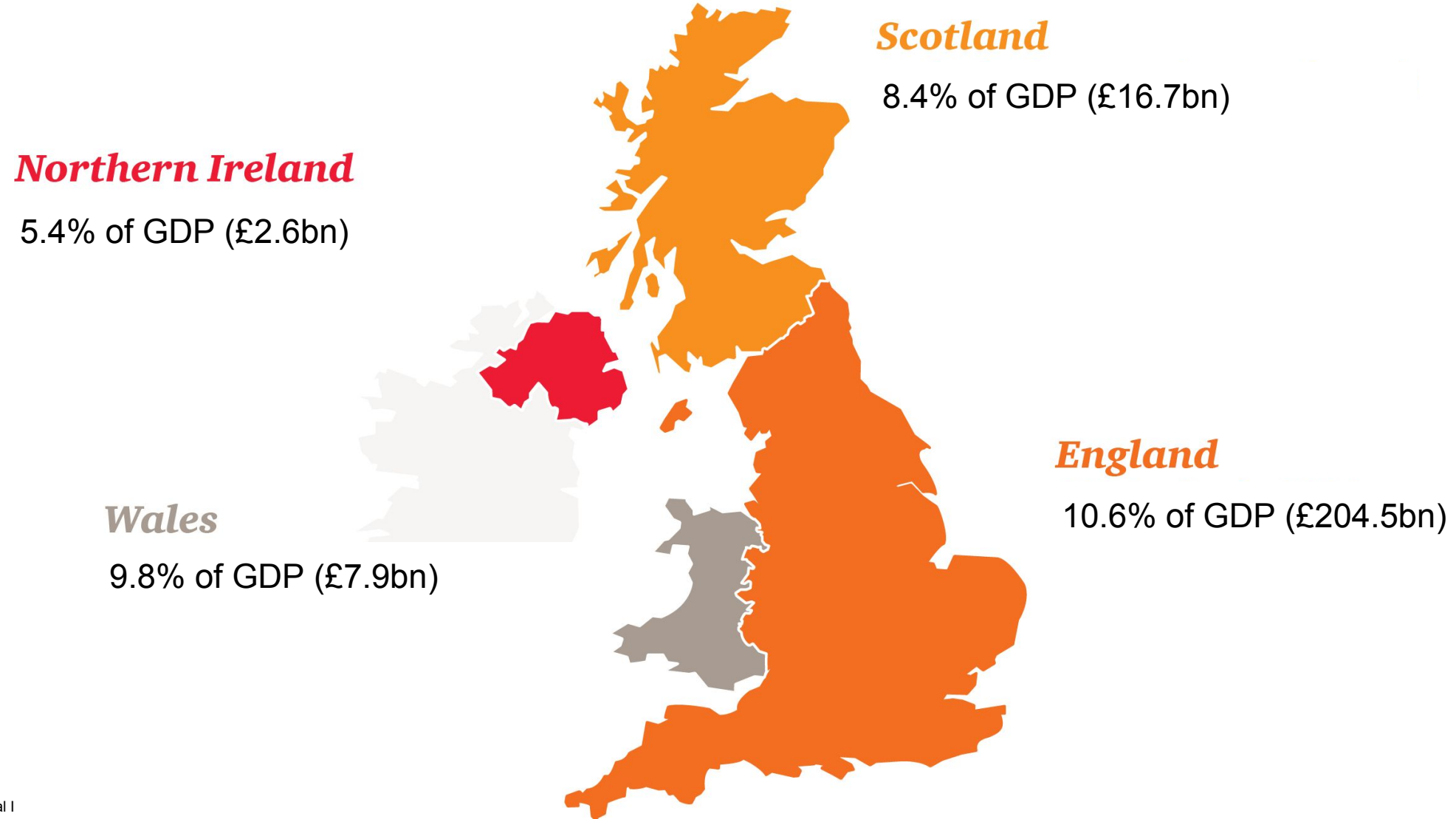**Deep Learning**

Speech recognition

Machine vision

Where is AI now?

Autonomous Intelligence

Near future

Augmented Intelligence

(E)merging

Assisted Intelligence

Mature

How will AI impact the world of work?

What will the macroeconomic impact of AI be on the UK?

Scotland

8.4% of GDP (£16.7bn)

Northern Ireland

5.4% of GDP (£2.6bn)

England

10.6% of GDP (£204.5bn)

Wales

9.8% of GDP (£7.9bn)

Who will be impacted by AI?

Autonomous vehicles
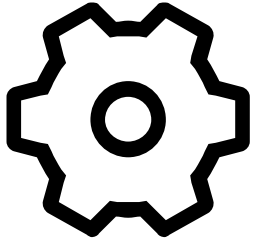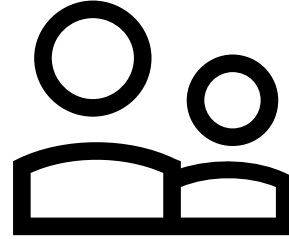
Healthcare

FS

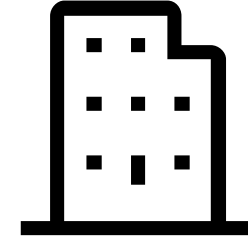*Retail*

Who will be impacted by AI?

Share of UK jobs that could be automated **30%**

Men **34%**

Women **26%**

Graduates **11%**

Medium education **36%**

Lower education **44%**

What does this mean for humans at work?

Businesses are facing challenges to digital innovation

Skills

63%

cited lack of skilled teams as a key obstacle to digital innovation

Processes

42%

cited slow or inflexible processes

Leadership

54%

say their leadership is digitally savvy

Workforce

28%

say they lack a strategic focus on training

What do we need to do?

- Democratise tech

- Build agility and leadership

- Test strategies against potential futures

"We always overestimate the change that will occur in the next two years and underestimate the change that will occur in the next ten. Don't let yourself be lulled into inaction."

Bill Gates
The Road Ahead, 1996

Thank you

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