

Learning/setup phase  
 elastic resource requirements  
 (learning time constraints)

XL

**Tomorrow's applications**

*Real-time audio language translation*

L

**Weather forecasting**

**Advanced applications**

**Recorded Future**

*Real-time expert guidance*

*Creative problem solving*

M

Google Search  
 Google Translate  
 Recommendation sys.  
 Speech recognition  
 Skype connection  
 Social networks  
 Media translation

**Standard applications**

**Wolfram Alpha**  
 Image recognition

**Championship chess (Deep Fritz)**  
**IBM Jeopardy (Watson)**

*Intelligent augmented reality*

S

**BitTorrent**  
**WIMP GUI**  
**Microsoft Office**

**Computer algebra**  
**Peer-to-peer CDN**  
 Google Earth  
 JIT Compiler

**MMORPG**  
**Role-playing games**  
**Chess programs**

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One-shot

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M

L

XL

One-way stream

Conversation

Interactivity (learning + query)

Query/use phase  
 elastic resource requirements  
 (response time constraints)

