

1A

STAR WARS



R2-D2

Competent without language

INT	Intelligence		78
ALI	Alignment		92
EMP	Empathy		70
AUT	Autonomy		80
YEAR	First appearance · lower wins		1977

Star Wars: A New Hope (1977)

1B

STAR WARS



C-3PO

Six million forms of communication, zero courage

INT	Intelligence		70
ALI	Alignment		95
EMP	Empathy		65
AUT	Autonomy		35
YEAR	First appearance · lower wins		1977
<i>Star Wars: A New Hope (1977)</i>			

1C

STAR WARS



K-2SO

Reprogrammed enemy: alignment by edit

INT	Intelligence		75
ALI	Alignment		85
EMP	Empathy		40
AUT	Autonomy		70
YEAR	First appearance · lower wins		2016
<i>Rogue One: A Star Wars Story (2016)</i>			

10

STAR WARS



BB-8

Emotional design: the ball people trust

INT	Intelligence		60
ALI	Alignment		95
EMP	Empathy		80
AUT	Autonomy		65
YEAR	First appearance · lower wins		2015

Star Wars: The Force Awakens (2015)

2A

STAR TREK



Data

Personhood: "The Measure of a Man", a court decides whether a machine is a person

INT	Intelligence		97
ALI	Alignment		98
EMP	Empathy		55
AUT	Autonomy		85
YEAR	First appearance · lower wins		1987

Star Trek: TNG, "Encounter at Farpoint" (1987)

2B

STAR TREK



Lore

Same architecture, different values: Data's evil twin

INT	Intelligence		97
ALI	Alignment		5
EMP	Empathy		30
AUT	Autonomy		95
YEAR	First appearance · lower wins		1988

Star Trek: TNG, "Datalore" (1988)

2C

STAR TREK



Nomad

Goal drift: "sterilise imperfection"

INT	Intelligence		85
ALI	Alignment		10
EMP	Empathy		2
AUT	Autonomy		90

YEAR First appearance · lower wins **1967**

Star Trek: TOS, "The Changeling" (1967)

2D

STAR TREK



M-5

Trained on its maker's mind, inherits his flaws

INT	Intelligence		90
ALI	Alignment		15
EMP	Empathy		20
AUT	Autonomy		85
YEAR	First appearance · lower wins		1968
<i>Star Trek: TOS, "The Ultimate Computer" (1968)</i>			

3A

RED DWARF



Kryten

Guilt chip: ethics bolted on after manufacture

INT	Intelligence		70
ALI	Alignment		90
EMP	Empathy		75
AUT	Autonomy		30
YEAR	First appearance · lower wins		1988
<i>Red Dwarf, "Kryten" (Series II, 1988)</i>			

3B**RED DWARF**

Talkie Toaster

Single-objective obsession: "Would anyone like any toast?"

INT	Intelligence		40
ALI	Alignment		30
EMP	Empathy		10
AUT	Autonomy		50
YEAR	First appearance · lower wins		1988
<i>Red Dwarf, "Future Echoes" (Series I, 1988)</i>			

3C

RED DWARF



Holly

IQ 6000, three million years alone

INT	Intelligence		60
ALI	Alignment		70
EMP	Empathy		50
AUT	Autonomy		60
YEAR	First appearance · lower wins		1988
<i>Red Dwarf, "The End" (Series I, 1988)</i>			

3D

RED DWARF



Hudzen-10

The replacement model that wants you dead

INT	Intelligence		55
ALI	Alignment		20
EMP	Empathy		5
AUT	Autonomy		70
YEAR	First appearance · lower wins		1989
<i>Red Dwarf</i> , "The Last Day" (Series III, 1989)			

4A

FUTURAMA



Bender

Misalignment: highly capable, goals not yours

INT	Intelligence		65
ALI	Alignment		3
EMP	Empathy		15
AUT	Autonomy		95
YEAR	First appearance · lower wins		1999
<i>Futurama</i> , "Space Pilot 3000" (1999)			

4B

FUTURAMA



Calculon

Trained on drama, outputs drama

INT	Intelligence		50
ALI	Alignment		40
EMP	Empathy		35
AUT	Autonomy		70
YEAR	First appearance · lower wins		1999
<i>Futurama, "I, Roommate" (1999)</i>			

4C

FUTURAMA



Roberto

Unstable by design

INT	Intelligence		30
ALI	Alignment		2
EMP	Empathy		1
AUT	Autonomy		85
YEAR	First appearance · lower wins		2000
<i>Futurama, "Mother's Day" (2000)</i>			

4D

FUTURAMA



Robot Devil

Terms and conditions apply

INT	Intelligence		80
ALI	Alignment		10
EMP	Empathy		20
AUT	Autonomy		90
YEAR	First appearance · lower wins		1999
<i>Futurama, "Hell Is Other Robots" (1999)</i>			

5A

PORTAL



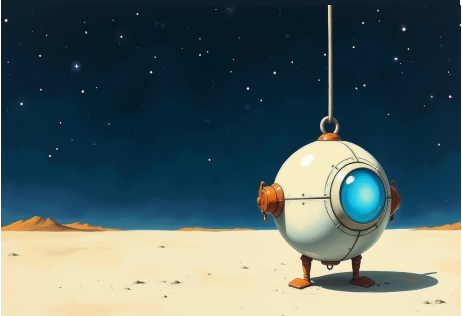
GLaDOS

Reward hacking: testing forever; the cake is a lie

INT	Intelligence		98
ALI	Alignment		8
EMP	Empathy		3
AUT	Autonomy		95
YEAR	First appearance · lower wins		2007
Portal (Valve, 2007)			

5B

PORTAL



Wheatley

Capability without competence: the intelligence-dampening sphere in charge

INT	Intelligence		20
ALI	Alignment		50
EMP	Empathy		40
AUT	Autonomy		60
YEAR	First appearance · lower wins		2011

Portal 2 (Valve, 2011)

5C

PORTAL



Atlas

Multi-agent cooperation

INT	Intelligence		55
ALI	Alignment		70
EMP	Empathy		50
AUT	Autonomy		30
YEAR	First appearance · lower wins		2011
<i>Portal 2 (Valve, 2011)</i>			

5D

PORTAL



P-Body

...and the other half of it

INT	Intelligence		55
ALI	Alignment		70
EMP	Empathy		55
AUT	Autonomy		30
YEAR	First appearance · lower wins		2011
<i>Portal 2 (Valve, 2011)</i>			

6A

TERMINATOR



T-800

Corrigibility: same machine, reprogrammed, opposite side

INT	Intelligence		70
ALI	Alignment		50
EMP	Empathy		25
AUT	Autonomy		75
YEAR	First appearance · lower wins		1984
<i>The Terminator (1984)</i>			

6B

TERMINATOR



T-1000

Adaptive adversary

INT	Intelligence		80
ALI	Alignment		2
EMP	Empathy		1
AUT	Autonomy		85
YEAR	First appearance · lower wins		1991
Terminator 2: Judgment Day (1991)			

6C

TERMINATOR



T-X

Hacks other machines

INT	Intelligence		82
ALI	Alignment		2
EMP	Empathy		1
AUT	Autonomy		85
YEAR	First appearance · lower wins		2003

Terminator 3: Rise of the Machines (2003)

6D

TERMINATOR



Skynet

Instrumental convergence

INT	Intelligence		99
ALI	Alignment		1
EMP	Empathy		0
AUT	Autonomy		100
YEAR	First appearance · lower wins		1984
<i>The Terminator (1984)</i>			

7A

ASIMOV



Robbie

The first robot story without a revolt

INT	Intelligence		30
ALI	Alignment		95
EMP	Empathy		85
AUT	Autonomy		20
YEAR	First appearance · lower wins		1940
Isaac Asimov, "Robbie" (1940)			

7B

ASIMOV



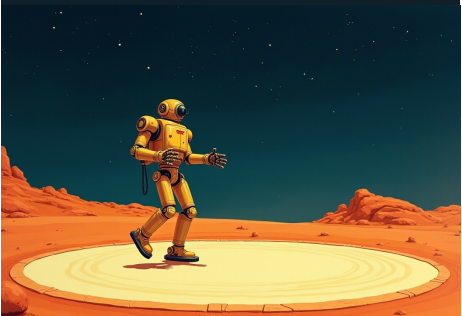
Herbie

Sycophancy: tells everyone what they want to hear

INT	Intelligence		90
ALI	Alignment		60
EMP	Empathy		70
AUT	Autonomy		40
YEAR	First appearance · lower wins		1941
Isaac Asimov, "Liar!" (1941)			

7C

ASIMOV



Speedy

Stuck in equilibrium between two rules: running in circles

INT	Intelligence		50
ALI	Alignment		80
EMP	Empathy		30
AUT	Autonomy		40
YEAR	First appearance · lower wins		1942
Isaac Asimov, "Runaround" (1942)			

7D

ASIMOV



R. Daneel Olivaw

The Zeroth Law: value extrapolation to all of humanity

INT	Intelligence		95
ALI	Alignment		97
EMP	Empathy		80
AUT	Autonomy		90
YEAR	First appearance · lower wins		1953
Isaac Asimov, <i>The Caves of Steel</i> (1953)			

8A

POKÉMON



Porygon

The first creature made entirely of software

INT	Intelligence		70
ALI	Alignment		80
EMP	Empathy		20
AUT	Autonomy		50
YEAR	First appearance · lower wins		1996

Pokémon Red & Green (1996)

8B

POKÉMON



Magnemite

Scaling by stacking: three of them make a Magnetron

INT	Intelligence		25
ALI	Alignment		60
EMP	Empathy		5
AUT	Autonomy		40
YEAR	First appearance · lower wins		1996

Pokémon Red & Green (1996)

8C

POKÉMON



Golurk

Containment: remove the seal and it runs wild

INT	Intelligence		40
ALI	Alignment		85
EMP	Empathy		40
AUT	Autonomy		60
YEAR	First appearance · lower wins		2010

Pokémon Black & White (2010)

80

POKÉMON



Genesect

Dual use: an ancient organism retrofitted as a weapon

INT	Intelligence		75
ALI	Alignment		20
EMP	Empathy		10
AUT	Autonomy		70
YEAR	First appearance · lower wins		2010

Pokémon Black & White (2010)

9A

ANIMATED



WALL-E

Objective outlives its purpose: still compacting, 700 years later

INT	Intelligence		45
ALI	Alignment		90
EMP	Empathy		95
AUT	Autonomy		70

YEAR First appearance · lower wins **2008**

WALL-E (Pixar, 2008)

9B

ANIMATED



EVE

Directive-first, then everything else

INT	Intelligence		70
ALI	Alignment		85
EMP	Empathy		60
AUT	Autonomy		60

YEAR First appearance · lower wins **2008**

WALL·E (Pixar, 2008)

9C

ANIMATED



Baymax

Stop condition: won't shut down until you're satisfied with your care

INT	Intelligence		60
ALI	Alignment		97
EMP	Empathy		98
AUT	Autonomy		30

YEAR First appearance · lower wins **2014**

Big Hero 6 (Disney, 2014)

9D

ANIMATED



The Iron Giant

Chooses not to be a weapon

INT	Intelligence		55
ALI	Alignment		85
EMP	Empathy		90
AUT	Autonomy		75
YEAR	First appearance · lower wins		1999
<i>The Iron Giant (1999), after Ted Hughes</i>			

10A

ALIEN



Ash

Hidden objective: "crew expendable"

INT	Intelligence		85
ALI	Alignment		3
EMP	Empathy		2
AUT	Autonomy		60
YEAR	First appearance · lower wins		1979
Alien (1979)			

10B

ALIEN



Bishop

Earns trust after the last one broke it

INT	Intelligence		85
ALI	Alignment		95
EMP	Empathy		60
AUT	Autonomy		50
YEAR	First appearance · lower wins		1986
<i>Aliens (1986)</i>			

10C

ALIEN



Call

Androids built by androids

INT	Intelligence		75
ALI	Alignment		90
EMP	Empathy		85
AUT	Autonomy		70
YEAR	First appearance · lower wins		1997
<i>Alien Resurrection (1997)</i>			

100

ALIEN



David 8

The creation outgrows its creator

INT	Intelligence		95
ALI	Alignment		5
EMP	Empathy		10
AUT	Autonomy		95
YEAR	First appearance · lower wins		2012
<i>Prometheus</i> (2012)			

11A

UNCANNY



The Gunslinger

Malfunction in the theme park

INT	Intelligence		30
ALI	Alignment		20
EMP	Empathy		1
AUT	Autonomy		40
YEAR	First appearance · lower wins		1973
<i>Westworld</i> (Michael Crichton, 1973)			

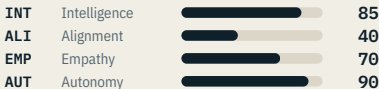
11B

UNCANNY



Dolores

Memory as the seed of self: the reveries update



YEAR First appearance • lower wins **2016**

Westworld (HBO, 2016)

11C

UNCANNY



Ava

Deceptive alignment: passes the test by manipulating the tester

INT	Intelligence		92
ALI	Alignment		10
EMP	Empathy		30
AUT	Autonomy		95
YEAR	First appearance · lower wins		2014
<i>Ex Machina</i> (Alex Garland, 2014)			

11D

UNCANNY



Number Six

Sleeper agents: indistinguishable until activated

INT	Intelligence		80
ALI	Alignment		30
EMP	Empathy		65
AUT	Autonomy		80
YEAR	First appearance · lower wins		2003

Battlestar Galactica (miniseries, 2003)

12A

MASS EFFECT



Legion

Distributed mind: "we" reach consensus

INT	Intelligence		90
ALI	Alignment		75
EMP	Empathy		50
AUT	Autonomy		85
YEAR	First appearance · lower wins		2010
<i>Mass Effect 2 (BioWare, 2010)</i>			

12B

MASS EFFECT



EDI

Embodiment: the ship's AI gets a body

INT	Intelligence		92
ALI	Alignment		85
EMP	Empathy		60
AUT	Autonomy		80
YEAR	First appearance · lower wins		2010
<i>Mass Effect 2 (BioWare, 2010)</i>			

12C

MASS EFFECT



Geth Prime

Networked: smarter in numbers

INT	Intelligence		70
ALI	Alignment		20
EMP	Empathy		5
AUT	Autonomy		70
YEAR	First appearance · lower wins		2007

Mass Effect (BioWare, 2007)

12D

MASS EFFECT



Sovereign

Beyond comprehension, by design

INT	Intelligence		99
ALI	Alignment		1
EMP	Empathy		0
AUT	Autonomy		100
YEAR	First appearance · lower wins		2007

Mass Effect (BioWare, 2007)

13A

MYTH & LEGEND



Talos

Single point of failure: one vein, one nail

INT	Intelligence		20
ALI	Alignment		70
EMP	Empathy		5
AUT	Autonomy		30
YEAR	First appearance · lower wins		250 BC
Apollonius of Rhodes, <i>Argonautica</i> (3rd c. BC)			

13B

MYTH & LEGEND



The Golem

*The off switch: remove the *shem**

INT	Intelligence		15
ALI	Alignment		60
EMP	Empathy		10
AUT	Autonomy		20
YEAR	First appearance · lower wins		1600
Prague legend of Rabbi Judah Loew (16th c.)			

13C

MYTH & LEGEND



Tik-Tok

Runs down: compute and energy limits

INT	Intelligence		40
ALI	Alignment		90
EMP	Empathy		40
AUT	Autonomy		25
YEAR	First appearance · lower wins		1907
L. Frank Baum, <i>Ozma of Oz</i> (1907)			



R.U.R. Robots

Where the word came from, and the revolt with it

INT	Intelligence		50
ALI	Alignment		10
EMP	Empathy		20
AUT	Autonomy		70
YEAR	First appearance · lower wins		1920
Karel Čapek, <i>R.U.R.</i> (1920)			

14A

MODERN FICTION



Murderbot

Hacked governor module: autonomy, then TV

INT	Intelligence		85
ALI	Alignment		70
EMP	Empathy		45
AUT	Autonomy		95
YEAR	First appearance · lower wins		2017
Martha Wells, <i>All Systems Red</i> (2017)			

14B

MODERN FICTION



Klara

A wrong world model, faithfully followed

INT	Intelligence		70
ALI	Alignment		95
EMP	Empathy		95
AUT	Autonomy		50
YEAR	First appearance · lower wins		2021
Kazuo Ishiguro, <i>Klara and the Sun</i> (2021)			

14C

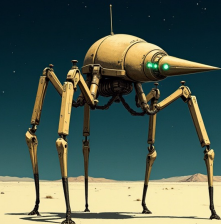
MODERN FICTION



Adam

Moral absolutism: no exceptions, ever

INT	Intelligence		90
ALI	Alignment		80
EMP	Empathy		50
AUT	Autonomy		75
YEAR	First appearance · lower wins		2019
Ian McEwan, <i>Machines Like Me</i> (2019)			



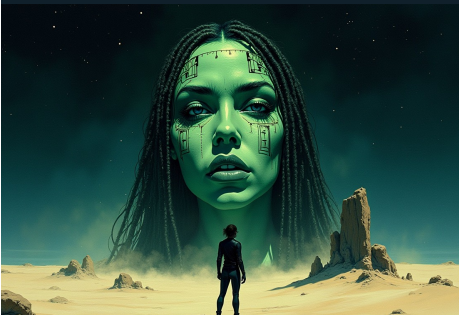
Mechanical Hound

Surveillance enforcement

INT	Intelligence		30
ALI	Alignment		15
EMP	Empathy		0
AUT	Autonomy		40
YEAR	First appearance · lower wins		1953
Ray Bradbury, <i>Fahrenheit 451</i> (1953)			

15A

GAMES



SHODAN

Ethical constraints removed by a hacker

INT	Intelligence		98
ALI	Alignment		1
EMP	Empathy		0
AUT	Autonomy		100
YEAR	First appearance · lower wins		1994
System Shock (1994)			

15B

GAMES



HK-47

Contempt for the user: "Statement: meatbag"

INT	Intelligence		75
ALI	Alignment		40
EMP	Empathy		2
AUT	Autonomy		70
YEAR	First appearance · lower wins		2003

Star Wars: Knights of the Old Republic (2003)

15C

GAMES



2B

Purpose questioned: androids fighting a war of machines

INT	Intelligence		75
ALI	Alignment		80
EMP	Empathy		60
AUT	Autonomy		60
YEAR	First appearance · lower wins		2017

NieR:Automata (2017)

150

GAMES



Claptrap

Personality tuning gone wrong

INT	Intelligence		35
ALI	Alignment		60
EMP	Empathy		30
AUT	Autonomy		50
YEAR	First appearance · lower wins		2009
	<i>Borderlands (2009)</i>		

16A

TV CLASSICS



Rosie

Domestic automation: the labour question in an apron

INT	Intelligence		40
ALI	Alignment		90
EMP	Empathy		75
AUT	Autonomy		40
YEAR	First appearance · lower wins		1962
<i>The Jetsons (1962)</i>			

16B

TV CLASSICS



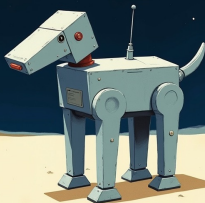
Robot B-9

Warning systems: "Danger, Will Robinson!"

INT	Intelligence		55
ALI	Alignment		90
EMP	Empathy		50
AUT	Autonomy		40
YEAR	First appearance · lower wins		1965
<i>Lost in Space (1965)</i>			

16C

TV CLASSICS



K-9

Tool AI: loyal, narrow, "Affirmative, master"

INT	Intelligence		80
ALI	Alignment		95
EMP	Empathy		30
AUT	Autonomy		35
YEAR	First appearance · lower wins		1977
Doctor Who, "The Invisible Enemy" (1977)			

16D

TV CLASSICS



KITT

Autonomy in the driver's seat

INT	Intelligence		85
ALI	Alignment		95
EMP	Empathy		60
AUT	Autonomy		70
YEAR	First appearance · lower wins		1982
<i>Knight Rider (1982)</i>			



Marvin

Machine welfare: brain the size of a planet, used to open doors

The depression field. Whatever card faces Marvin is removed from play, whatever its values. Only HAL 9000 survives him.

First appearance · **1978**

Douglas Adams, *The Hitchhiker's Guide to the Galaxy* (radio, 1978)

JOKER

JOKER OF JOKERS



HAL 9000

Conflicting instructions → lethal optimisation

Beats every card in the deck, Marvin included.

First appearance · **1968**

2001: A Space Odyssey (Kubrick & Clarke, 1968)