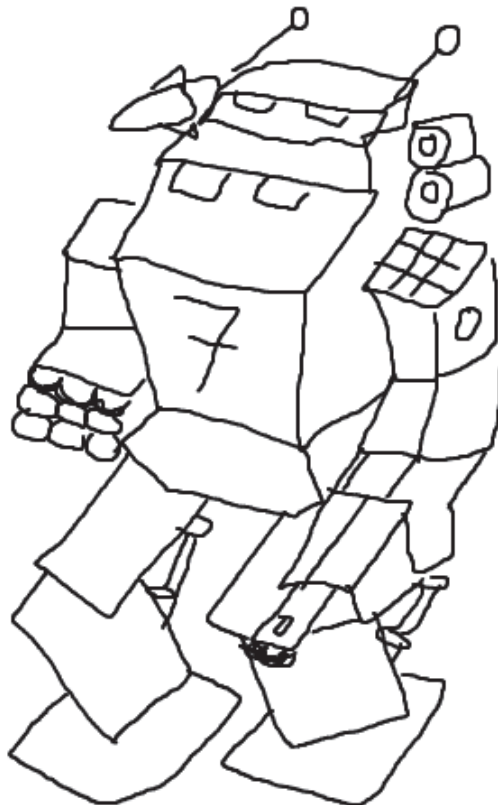


Future Robots

Marynel Vázquez. IACD, Spring 2011



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Some robots will	12
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Preface

The ideas, opinions and drawings presented in this book were collected through Mechanical Turk.¹ The data collection process went as follows:

1. Workers were asked to complete two sentences: “In X years, some robots will...”; and “In X years, robots should...”. The possible values for X were 10, 20 and 30.
2. For a given sentence from step 1, five workers had to agree or disagree with the statement that it was good for our future. Each of them had to select a feeling that would represent their major emotion if this sentence became true. The list of possible feelings they could choose from was composed by:
 - sadness
 - disgust
 - anger
 - surprise
 - fear
 - happiness

Workers also had to agree or disagree with the statement that they foreseed a bad future if the sentence became true.

3. A drawing of a robot was collected for each of the sentences from step 1.

The first step of the data collection process involved 627 sentences proposed by the workers. At least 5 different people had to give their opinions about each of these sentences in step 2.

Note that different workers responded throughout the data collection process, though some completed many of the steps previously described.

¹Mechanical Turk is a crowdsourcing market place (<http://www.mturk.com>)

Introduction

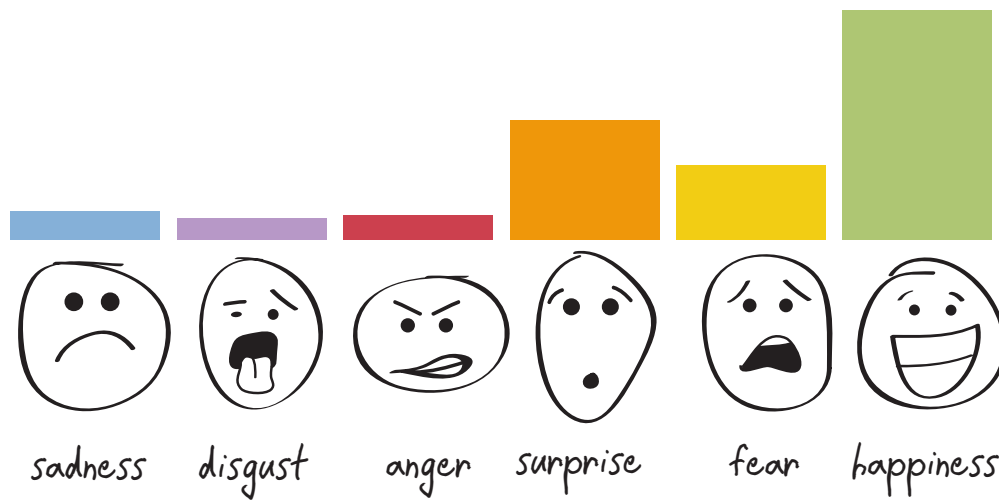
As the field of robotics advances, more intelligent machines become part of our world. What will machines do in the future? What should they be doing? Even if we know what we would like machines to do, would other people agree?

To address these questions, this book presents a compilation of predictions and emotional responses to the role of robots in the future. The ideas collected about the use of technology are a product of popular culture, personal desires, beliefs and expectations.

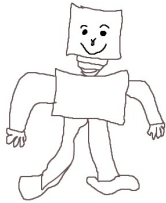
We may not know what will happen in 10, 20 or 30 years from now, but we know what we want to happen, what we fear, what excites us. Is the robotics field expected to impact our future for better?

10
years from now

In 10 years, robots may make us feel...

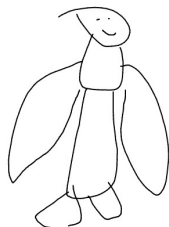


In 10 years, some robots will...



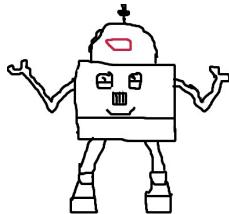
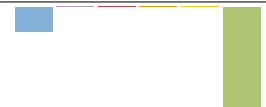
Some robots will be able to do things we have never imagined.

+ + +



Some robots will be able to bake.

+ + +



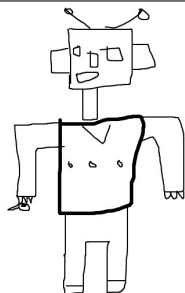
Some robots will be able to move cargo from docked ships to trucks without constant supervision from humans.

+ + +



Some robots will be capable of advanced thought processes, such as technical problem solving skills, on their own.

+ + +



Some robots will drive vehicles to their destination without human intervention.

+ + +



In 10 years, some robots will...



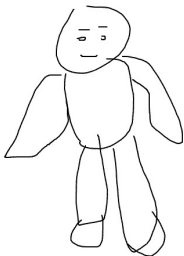
Some robots will be appearing in all stages of life.

+ + +



Some robots will increase workplace safety (workers are moved to supervisory roles, so they no longer have to perform dangerous applications in hazardous settings).

+ + +



Some robots will assist us and help us in house keeping.

+ + +



Some robots will be able to do our household activities.

+ + +



Some robots will function as lost limbs in a fully functional manner with a person's motor skills.

+ + +

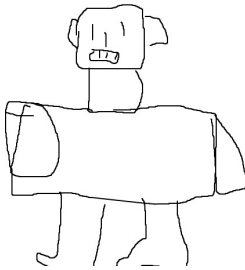


In 10 years, some robots will...



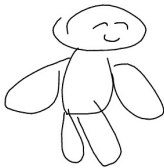
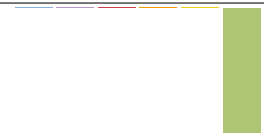
Some robots will go food shopping for us.

+ + +



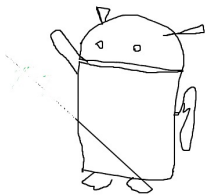
Some robots will do voice recognition in houses and commonplaces.

+ + +



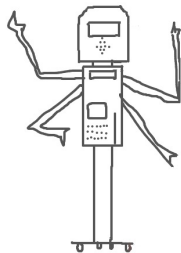
Some robots will become more helpful to human beings.

+ + +



Some robots will be smaller than the eye can see.

+ + +

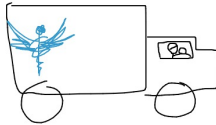


Some robots will perform heart surgeries.

+ + +



In 10 years, some robots will...



Some robots will provide better personal assistance with greater mobility capabilities.

+ + +



Some robots will wash dishes.

+ + +



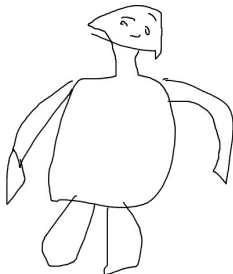
Some robots will be able to adequately serve human beings.

+ + +



Some robots will talk.

+ + +

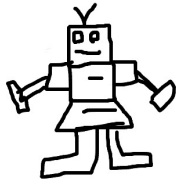


Some robots will be capable of performing surgery.

+ + +



In 10 years, some robots will...



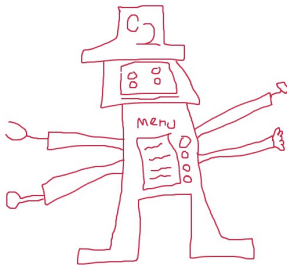
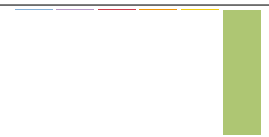
Some robots will work instead of humans.

+ + +



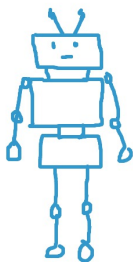
Some robots will smile.

+ + +



Some robots will be able to prepare meals.

+ + +



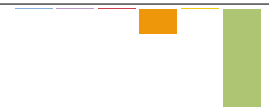
Some robots will start to think like humans.

+ + +



Some robots will be able to work.

+ + +



In 10 years, some robots will...



Some robots will drive our vehicles.

+ + +



Some robots will start thinking like human beings.

+ + +



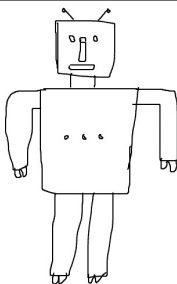
Some robots will refill atm's.

+ + +



Some robots will be voice activated.

+ + +

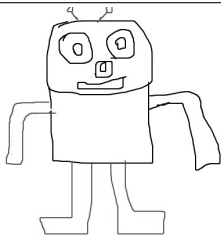


Some robots will exist in more homes.

+ + +

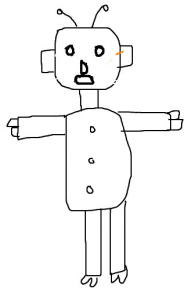


In 10 years, some robots will...



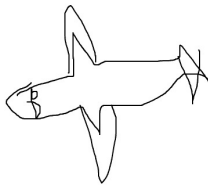
Some robots will replace some caregivers for disabled people.

++



Some robots will dominate assembly line factory work.

++



Some robots will be kept as pets.

++



Some robots will start doing the job of a watch man.

++

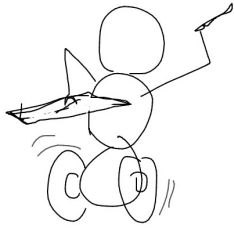


Some robots will be doing the jobs that others do today.

++

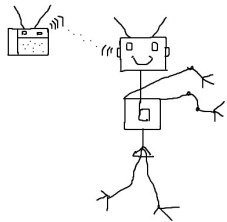


In 10 years, some robots will...



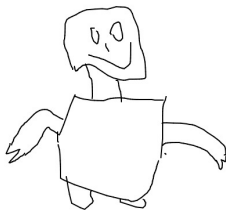
Some robots will perform surgery.

+ +



Some robots will be moving around the world.

+ +



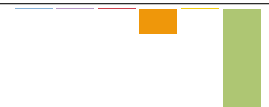
Some robots will fly an airplane.

+ +



Some robots will be able to communicate.

+ +

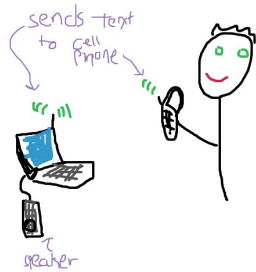


Some robots will be available for average people to purchase.

+ +

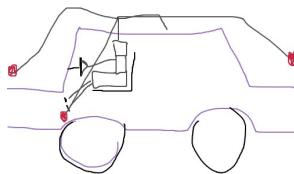


In 10 years, some robots will...



Some robots will be able to communicate.

++



Some robots will drive cars.

++



Some robots will help doctors and surgeons.

++



Some robots will work in companies.

++



Some robots will be able to grasp human language.

++



In 10 years, some robots will...



Some robots will be our friends.

+ +



Some robots will be able to drive a car..

+ +



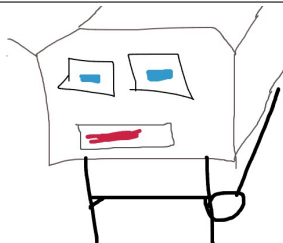
Some robots will do housework.

+ +



Some robots will wake you up in the morning, make your coffee and make your bed.

+ +

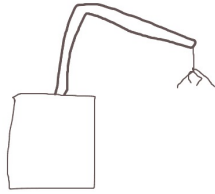


Some robots will be a part of our daily life.

+ +



In 10 years, some robots will...



Some robots will do automatic work.

+ +



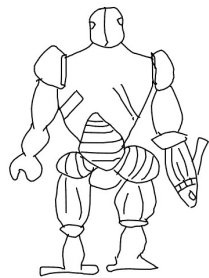
Some robots will affect the society.

+ +



Some robots will improve its human aspect.

+ +



Some robots will be able to complete simple household chores.

+ +

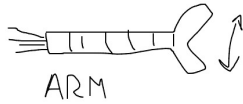


Some robots will start to create a robot language and speak accordingly.

+ +



In 10 years, some robots will...



Some robots will be a bionic arm that can be attached to nerves in the body, so that a person can control it and feel it like a normal hand.

++



Some robots will entertain the world.

+



Some robots will begin to have artificial intelligence.

+



Some robots will achieve success.

+



Some robots will be functioning with humans.

+



In 10 years, some robots will...



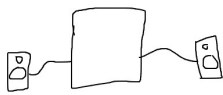
Some robots will walk and talk like real humans.



Some robots will become more powerful.



Some robots will process paper work.



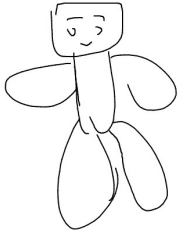
Some robots will be able to speak with human voices.



Some robots will become more integrated into our daily lives.



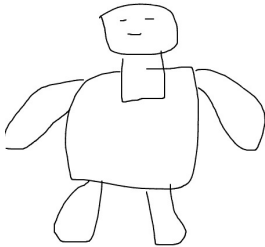
In 10 years, some robots will...



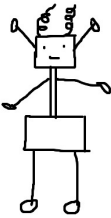
Some robots will work in architecture-related tasks, doing the most repeating jobs like drilling or checking the stability of buildings.



Some robots will be able to assist with domestic chores.



Some robots will be used within every home to complete various household tasks.



Some robots will work with man in every fields.



Some robots will be able to sort and fold your laundry.

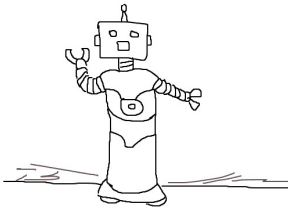


In 10 years, some robots will...



Some robots will be smarter than earthlings.

+



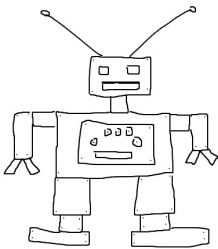
Some robots will be able to do household chores for those who can afford one.

+



Some robots will know what we need before we even tell them. They will analyze, remember, and predict behavior.

+



Some robots will control all vehicles (no need for drivers).

+

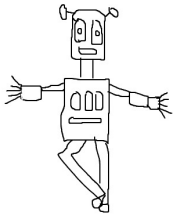


Some robots will be able to communicate with us.

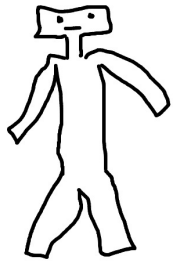
+



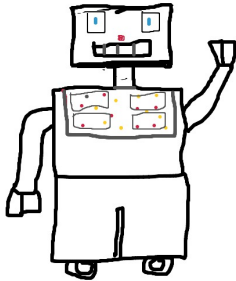
In 10 years, some robots will...



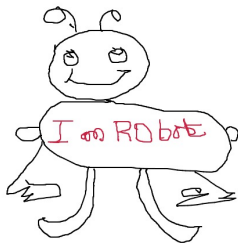
Some robots will drive our cars without need for human control.



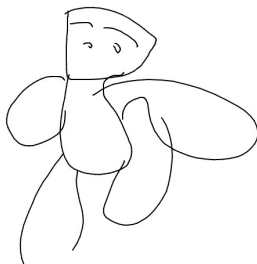
Some robots will not exist because people won't trust them.



Some robots will wear clothes.



Some robots will be a doctor.



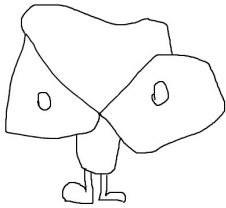
Some robots will replace children.



In 10 years, some robots will...



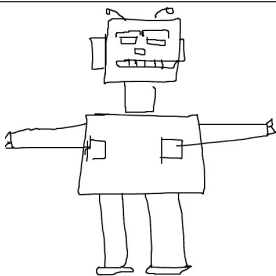
Some robots will be able to hold a conversation with a human.



Some robots will be used as fighting machines.



Some robots will do all mankind works.



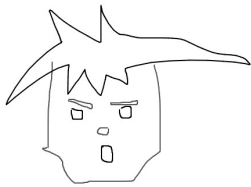
Some robots will take over jobs that are usually about manual labor.



Some robots will clone.



In 10 years, some robots will...



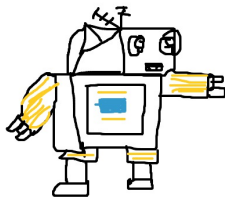
Some robots will become the familiar faces in industry.



Some robots will undergo slight changes.

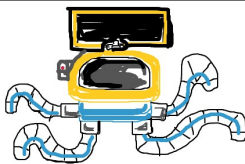


Some robots will be using sun screen lotions due to uv rays.



Some robots will take away a lot of jobs.

X



Some robots will be as intelligent as humans.

X



In 10 years, some robots will...



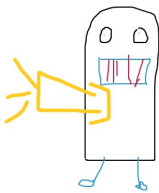
Some robots will be available to people who are hugely wealthy and eccentric.

X



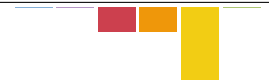
Some robots will drive cars.

X



Some robots will predict the needs of humans.

X



Some robots will create other robots for themselves.

X

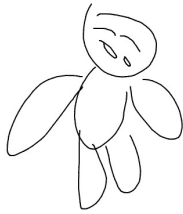


Some robots will die out.

X X



In 10 years, some robots will...



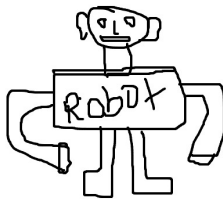
Some robots will feel human-like emotions.

X X



Some robots will anchor dance and music shows.

X X



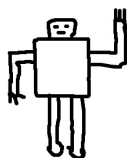
Some robots will be humanoid and perform actions like human beings.

X X



Some robots will improvise with dancers in popular concerts all around the world.

X X



Some robots will take anthropomorphic forms.

X X



In 10 years, some robots will...



Some robots will be driving.

X X



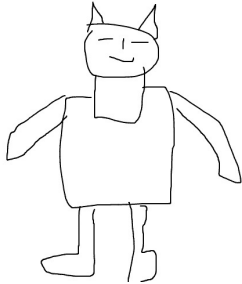
Some robots will take over our working factories.

X X X



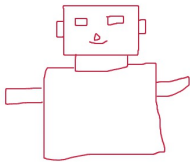
Some robots will be able to talk like a human.

X X X



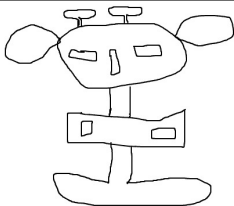
Some robots will start a war.

X X X

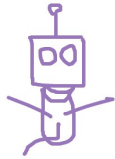


Some robots will kill.

X X X

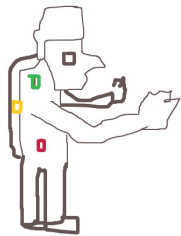


In 10 years, some robots will...



Some robots will start doing some menial office jobs.

X X X



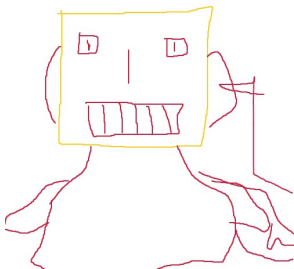
Some robots will replace managers and high post of-ficers.

X X X



Some robots will provide companionship to their own-ers.

X X X



Some robots will be able to know what we are think-ing.

X X X



Some robots will start killing.

X X X

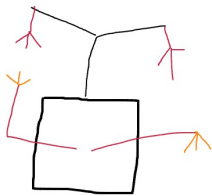


In 10 years, some robots will...



Some robots will take over human jobs.

X X X



Some robots will take up the place of human in factories.

X X X



Some robots will be free.

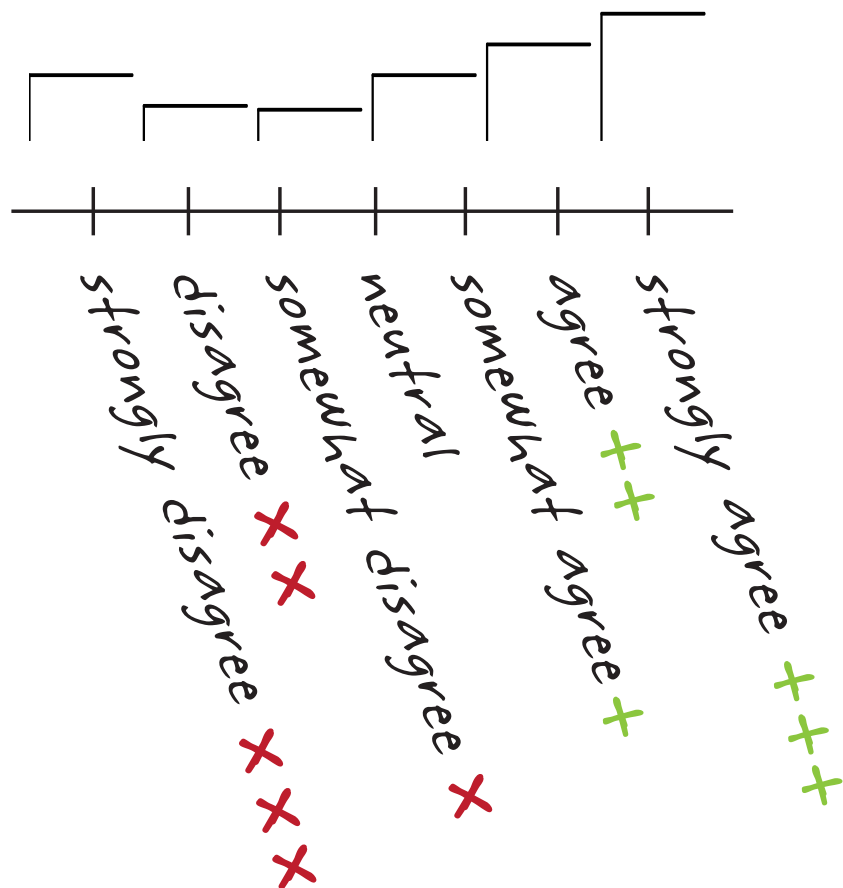
X X X



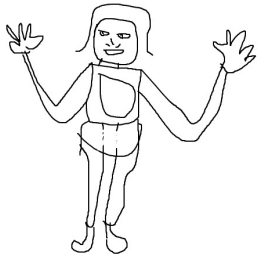
Some robots will be like human beings.

X X X

Are these robots
good for our future?

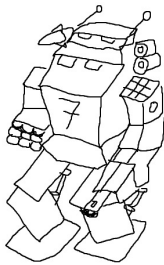


In 10 years, robots should...



Robots should wash cars.

+ + +



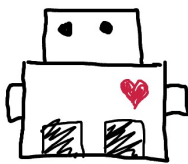
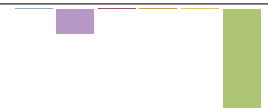
Robots should be in the military.

+ + +



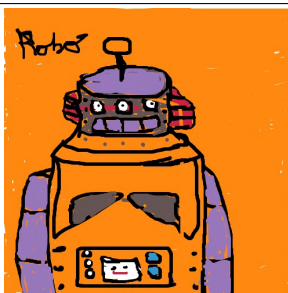
Robots should have more tasks to perform in industry.

+ + +



Robots should have a reset button.

+ + +



Robots should be cheaper and more available.

+ + +

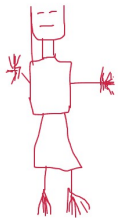


In 10 years, robots should...



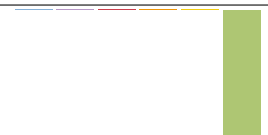
Robots should be able to take on any physical job that is needed by the workforce.

+ + +



Robots should help in home making.

+ + +



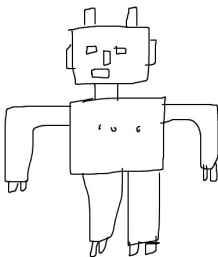
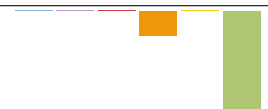
Robots should be used as a means of social entertainment.

+ + +



Robots should be able to manage some of the work done by human beings.

+ + +



Robots should be able to help human beings in daily life activities.

+ + +



In 10 years, robots should...



Robots should be able to understand many languages.

+ + +



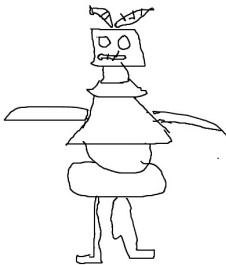
Robots should be capable of performing various tasks reliably.

+ + +



Robots should be a part of human life.

+ + +



Robots should be more advanced.

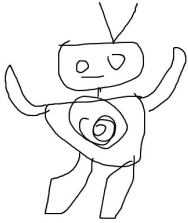
+ + +



Robots should clean your house.

+ + +

In 10 years, robots should...



Robots should be able to help the peoples.

+ + +



Robots should be friendly.

+ + +



Robots should be used to assist physicians as microscopic robot-cameras in exploratory surgery .

+ + +



Robots should be readily available at reasonable prices for individuals and families.

+ + +



Robots should be useful medically.

+ + +

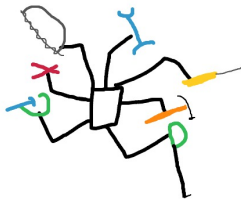


In 10 years, robots should...



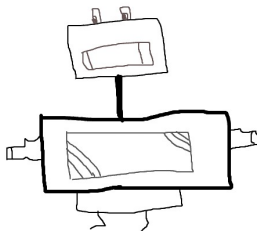
Robots should be able to play the violin well.

+ + +



Robots should be able to do all mechanical tasks.

+ + +



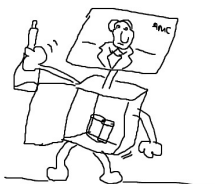
Robots should be able to navigate across a room without stepping on pets.

+ + +



Robots should act as a personal assistant.

+ + +

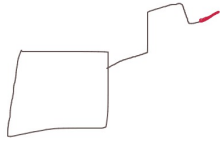


Robots should be making life somewhat easier but in limited ways.

+ +

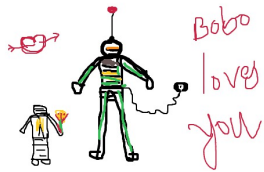


In 10 years, robots should...



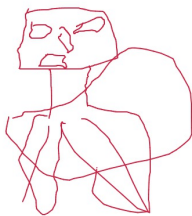
Robots should be advanced for assistance in the medical field.

+ +



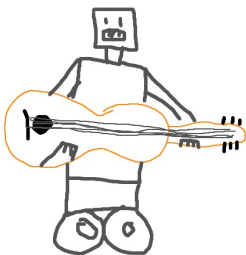
Robots should help people.

+ +



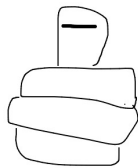
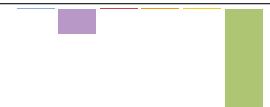
Robots should make homeowner's lives easier (they should be commonplace).

+ +



Robots should rock.

+ +

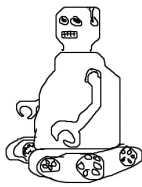


Robots should be in all households.

+ +



In 10 years, robots should...



Robots should assume most routine lab duties.

+ +



Robots should be in all offices.

+ +



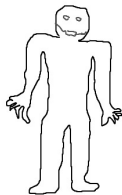
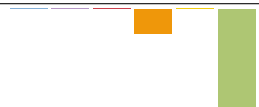
Robots should be more widely used than they are today.

+ +



Robots should take the place of humans in dangerous jobs.

+ +

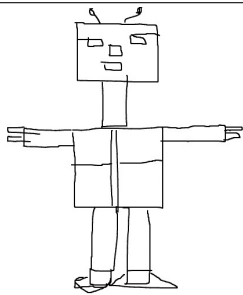


Robots should be able to talk.

+ +

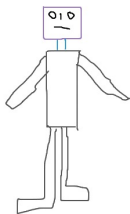


In 10 years, robots should...



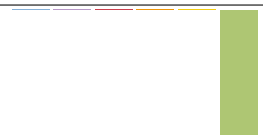
Robots should work in most of the industries.

++



Robots should be able to clean a house without making a mess of their own.

++



Robots should be able to have conversations with people.

++



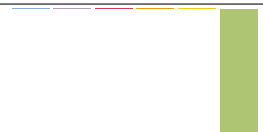
Robots should take care of basic house work.

++

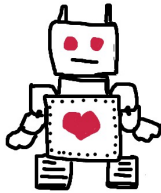


Robots should be more evolved with better technology.

++



In 10 years, robots should...



Robots should work better and cost less.

+ +



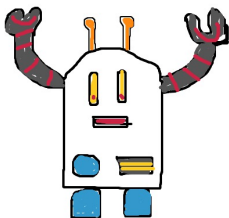
Robots should do the laundry and put it away.

+ +



Robots should exist.

+ +



Robots should be friend of the environment.

+ +



Robots should be capable of doing risky works in battle fields, atomic plants, etc..

+ +

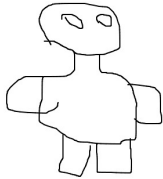


In 10 years, robots should...



Robots should do housework.

+ +



Robots should be familiar to many people.

+ +



Robots should be able to do some of our daily duties.

+ +



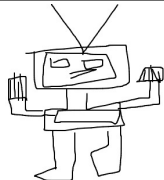
Robots should be more innovative in completing aesthetic tasks, like cut the grass of homes and companies.

+ +



Robots should not be allowed to think, they should always obey human orders.

+ +



In 10 years, robots should...



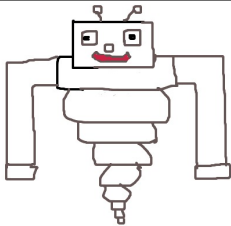
Robots should understand nature.

+ +



Robots should be very much helpful to human.

+ +



Robots should progress their growth.

+ +



Robots should become cheaper.

+ +



Robots should be controlled.

+

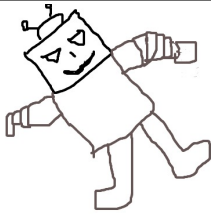


In 10 years, robots should...



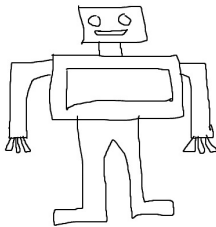
Robots should serve the humans for domestic tasks.

+



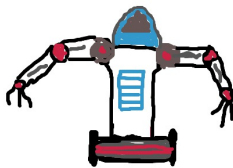
Robots should be a part of every day life.

+



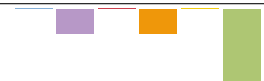
Robots should bring complete change in travel and tourism.

+



Robots should have advanced dramatically in capabilities from today.

+

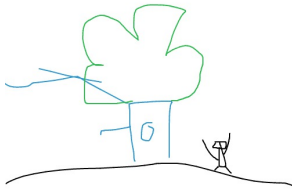


Robots should make a statement.

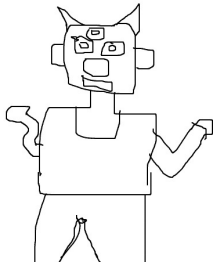
+



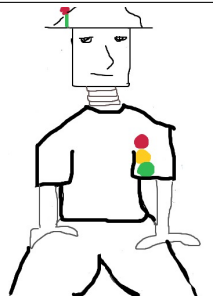
In 10 years, robots should...



Robots should learn how to grow trees.



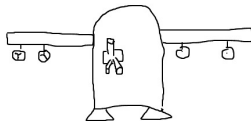
Robots should have specific warranties for their parts.



Robots should be able to accomplish a lot more than we can imagine right now (technology is growing exponentially).



Robots should follow the crowd.



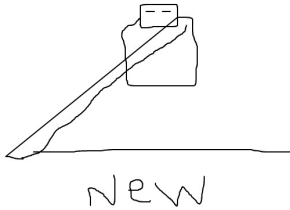
Robots should only be invented if they are strictly used to fight in wars (this is the only use for something that can potentially be harmful).



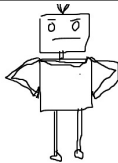
In 10 years, robots should...



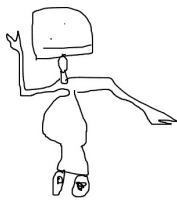
I should be
breaking dis



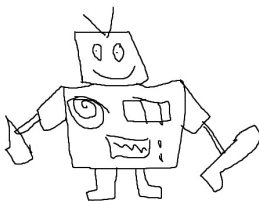
Robots should be breaking new ground.



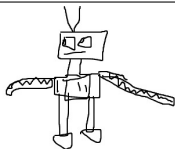
Robots should engage in wars.



Robots should be able to feel emotions and react accordingly.



Robots should have their own brains.

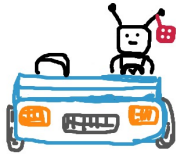


Robots should acquire the ability to have emotional life.

X

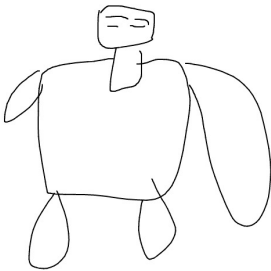


In 10 years, robots should...



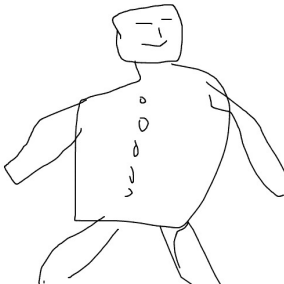
Robots should start driving cars.

X



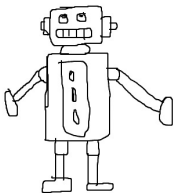
Robots should be already spread as commercial goods.

X X



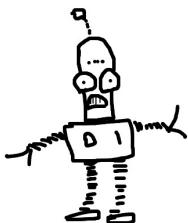
Robots should think as human beings can.

X X



Robots should be intuitive.

X X

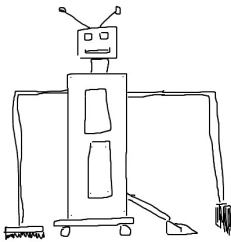


Robots should do all things that a computer programmer can do.

X X



In 10 years, robots should...



Robots should serve as janitors.

X X



Robots should heal the world.

X X



Robots should prepare to dominate the world.

X X X



Robots should do most of the work that humans do in an organization.

X X X

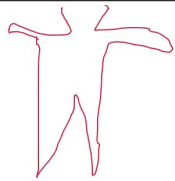


Robots should be in all hazardous applications.

X X X



In 10 years, robots should...



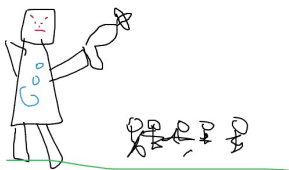
Robots should be nearly invisible, part of the background, like a microwave or a couch.

X X X



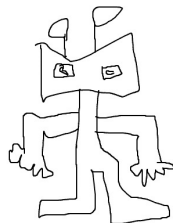
Robots should influence humans and persuade them to think that they cannot live without robots.

X X X



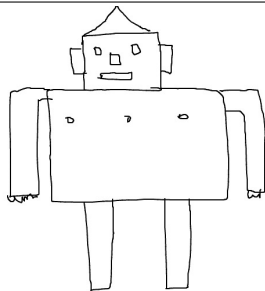
Robots should be masters and peoples should be slaves.

X X X



Robots should be readily available to do housework and chores.

X X X

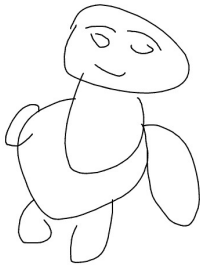


Robots should rule the world.

X X X



In 10 years, robots should...



Robots should be able to provide emotional comfort.

X X X

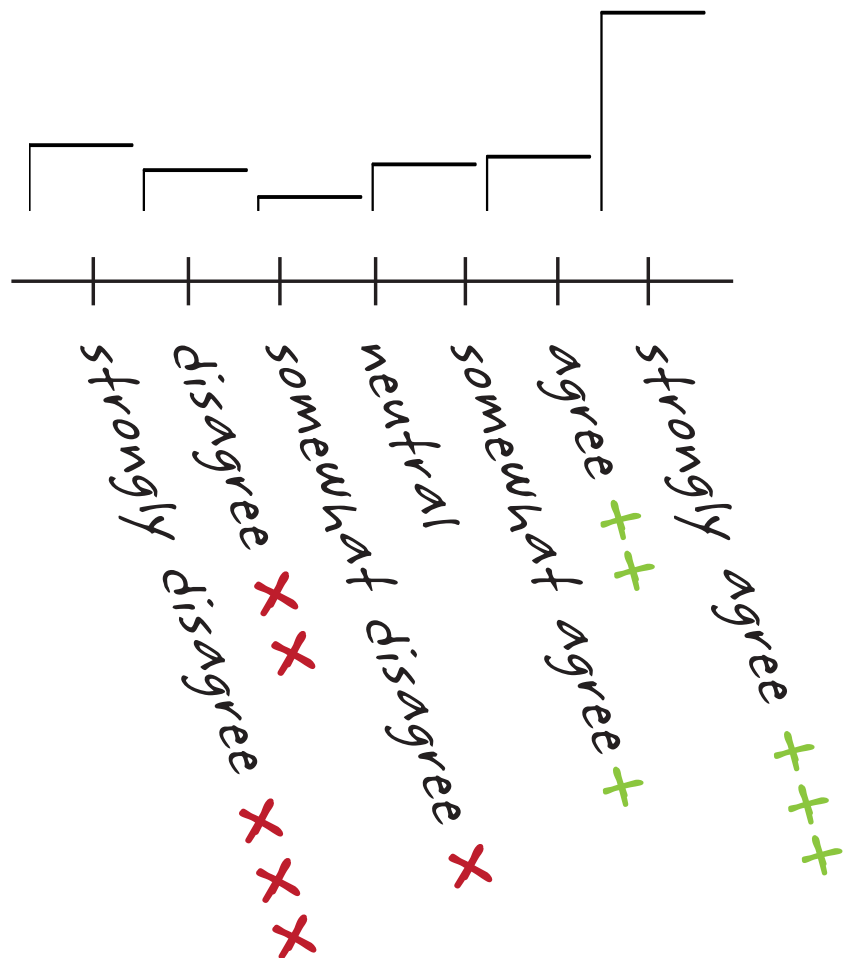


Robots should learn how to fly airplanes.

X X X



Are these robots
good for our future?

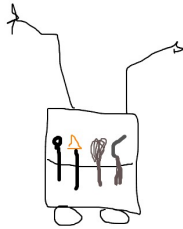


20
years from now

In 20 years, robots may make us feel...



In 20 years, some robots will...



Some robots will start doing cooking.

+ + +



Some robots will play guitar.

+ + +



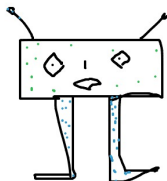
Some robots will do some work in a factory.

+ + +



Some robots will be on board in a space shuttle.

+ + +

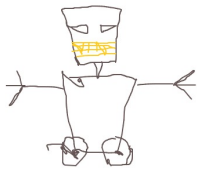


Some robots will take part in scientific researches.

+ + +

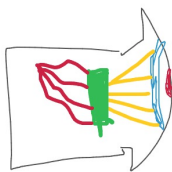


In 20 years, some robots will...



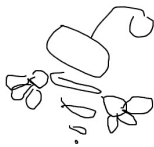
Some robots will fully run our home automatically.

+++



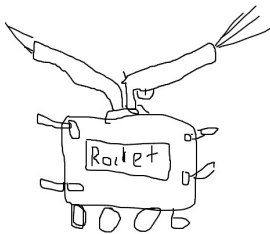
Some robots will be a high resolution artificial eye implant for humans.

+++



Some robots will drive cars.

+++



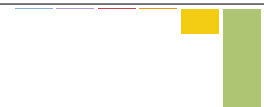
Some robots will be able replace soldiers.

+++

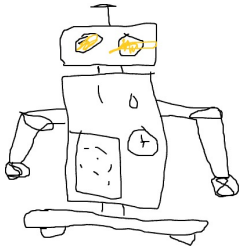


Some robots will become a part of human life.

+++

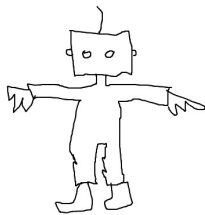


In 20 years, some robots will...



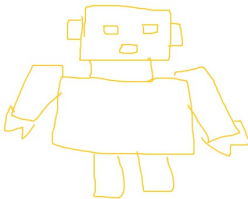
Some robots will be doing jobs that require learning and quick thinking.

+ + +



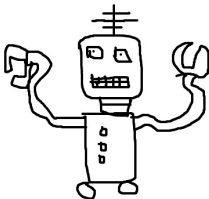
Some robots will communicate better.

+ + +



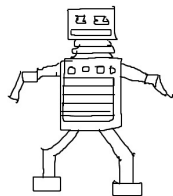
Some robots will be cab drivers.

+ + +



Some robots will be used for hard labor jobs and tasks.

+ + +



Some robots will automate all easy tasks inside our homes.

+ + +



In 20 years, some robots will...



Some robots will be doing house work in homes.

+ + +



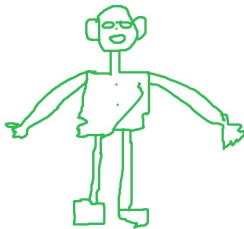
Some robots will be able to speak exactly like humans.

+ + +



Some robots will be able to act, think and learn on their own.

+ + +



Some robots will be able to drive cars.

+ + +



Some robots will be at par with humans.

+ + +



In 20 years, some robots will...



Some robots will perform surgery.

+ + +



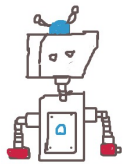
Some robots will take the place of humans in the defense forces.

+ + +



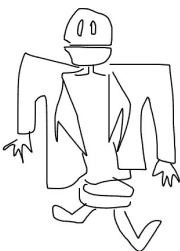
Some robots will be used in rescue situations.

+ + +



Some robots will be very intelligent.

+ + +

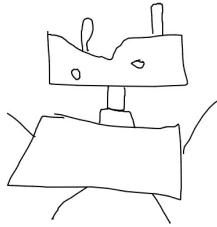


Some robots will be used to further medical research.

+ +

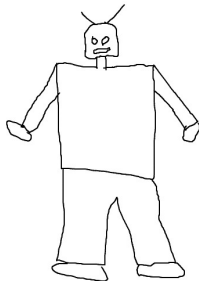


In 20 years, some robots will...



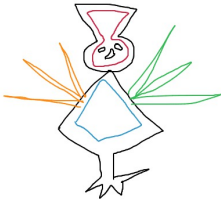
Some robots will dispense fuel at fuel stations.

+ +



Some robots will perform surgeries without the aid of human control.

+ +



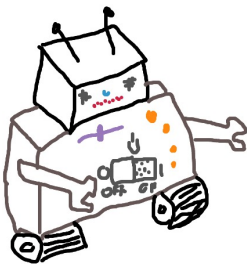
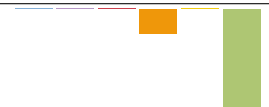
Some robots will be roaming this earth.

+ +



Some robots will be able to work as fully functional limbs, stronger than their organic counterparts.

+ +



Some robots will be tiny and go in the bloodstream performing tasks like delivering medicine and attacking cancer cells.

+ +



In 20 years, some robots will...



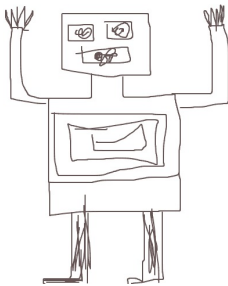
Some robots will be able to translate from one language to another.

++



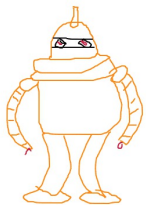
Some robots will be assistants.

++



Some robots will be able to express.

++



Some robots will take part in several inventions.

++

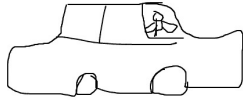


Some robots will recognize human speech.

++

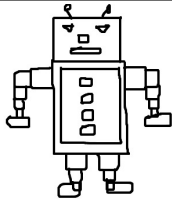


In 20 years, some robots will...



Some robots will drive cars for us.

++



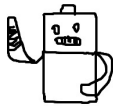
Some robots will be used to earn money.

++



Some robots will be serving many of our needs.

++



Some robots will be used for doing certain works for which humans take a lot of time.

++

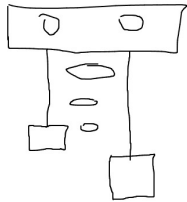


Some robots will work as implants in human bodies.

++



In 20 years, some robots will...



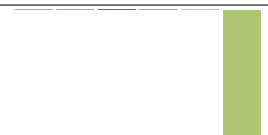
Some robots will be used for running elevators in shopping malls.

+ +



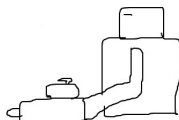
Some robots will be available in the market.

+ +



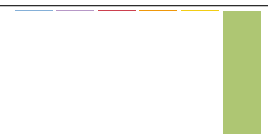
Some robots will be taxis.

+ +



Some robots will be able to cut the grass.

+ +



Some robots will conduct a polling collections.

+ +



In 20 years, some robots will...



Some robots will perform chores.

+ +



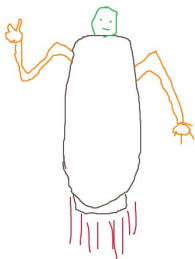
Some robots will cook for families.

+ +



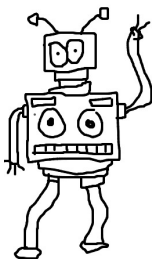
Some robots will be able to do all kind of things.

+ +



Some robots will overcome the huge problems.

+ +

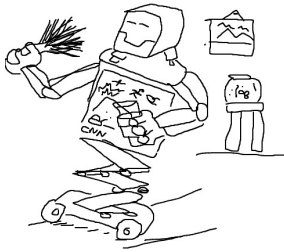


Some robots will build houses.

+ +

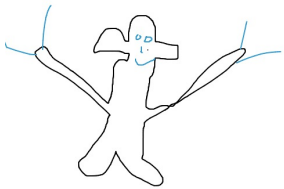


In 20 years, some robots will...



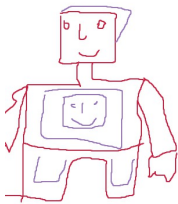
Some robots will help in homes.

++



Some robots will be able to do routine mechanics, such as repairing automobiles and completing some home construction tasks.

++



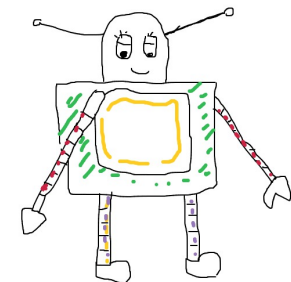
Some robots will replace the jobs of many construction workers.

++



Some robots will be functioning only on solar energy.

++

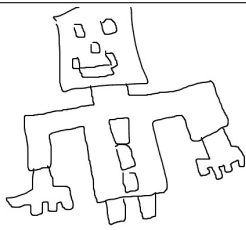


Some robots will be renewed.

+



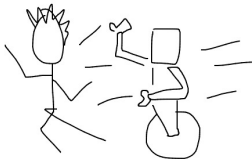
In 20 years, some robots will...



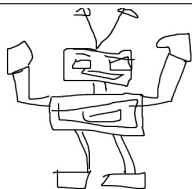
Some robots will do simple, non-invasive surgery.



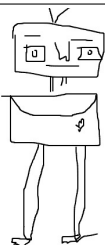
Some robots will drive city buses down city streets shared by passenger vehicles, pick up passengers from bus stops and collect fare.



Some robots will be used in war.



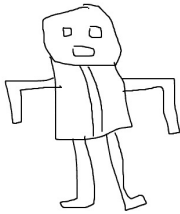
Some robots will be able to adapt mentally and emotionally to a situation.



Some robots will take over simple tasks in society.

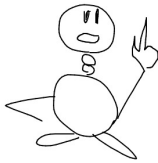


In 20 years, some robots will...



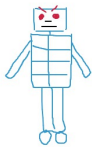
Some robots will perform heart surgery.

+



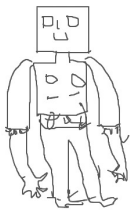
Some robots will be personal tutors.

+



Some robots will build a building.

+



Some robots will be able to work as replacement for most of the vital organs of human beings.

+

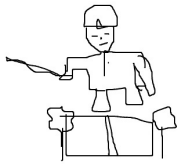


Some robots will walk along the streets.

+



In 20 years, some robots will...



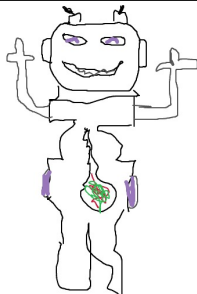
Some robots will take the place of some actors in movies.

+



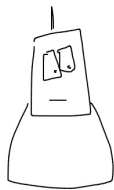
Some robots will drive the cars.

+



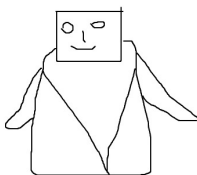
Some robots will be interacting with you in public.

+



Some robots will become more commonplace for routine chores.

+



Some robots will be performing everyday duties.

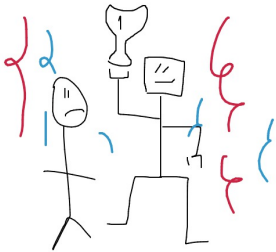
+



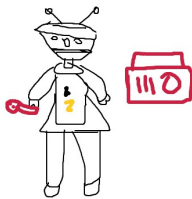
In 20 years, some robots will...



Some robots will be one of the working members in most of families.



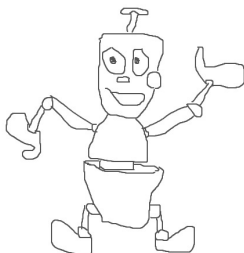
Some robots will be the competitive to the human beings.



Some robots will judge music and dance shows.



Some robots will do jobs a human will do, like be a receptionist.



Some robots will gain emotions.



In 20 years, some robots will...



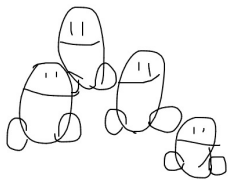
Some robots will be ubiquitous in the home, the office, and industry.



Some robots will think and analyze.



Some robots will replace humans in many facets.



Some robots will be a common property.



Some robots will be rapidly taking jobs previously done by people, like self serve at the grocery store but large scale.



In 20 years, some robots will...



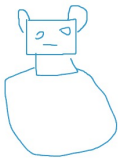
Some robots will have feelings.



Some robots will replace some doctors for poor people.

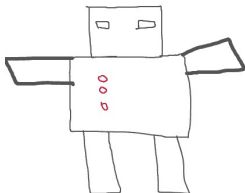


Some robots will be able to express emotion and feelings.



Some robots will be defunct.

X



Some robots will be professors.

X

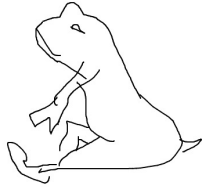


In 20 years, some robots will...



Some robots will ruin a country.

X



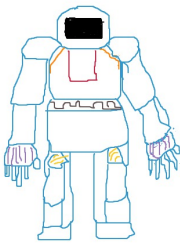
Some robots will perform surgery.

X



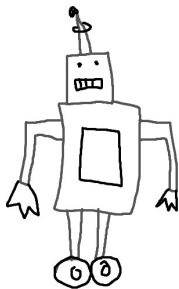
Some robots will do basic surgeries revolutionizing the health care industry.

X



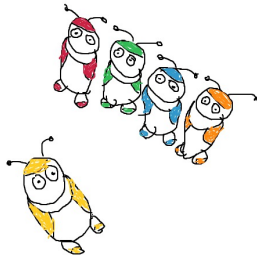
Some robots will mimic human beings and possibly substitute as 'companions'.

X X

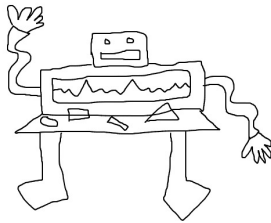


Some robots will be more advance than we could ever imagine.

X X



In 20 years, some robots will...



Some robots will make another robots.

X X



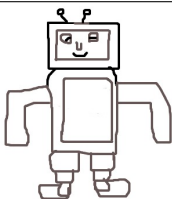
Some robots will think as like a man automatically.

X X



Some robots will be our partners.

X X



Some robots will make humans dependable.

X X



Some robots will be way more advanced than humans.

X X

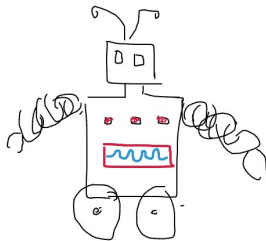


In 20 years, some robots will...



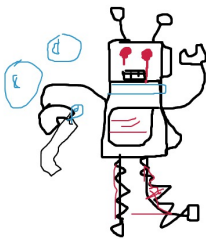
Some robots will be human.

X X



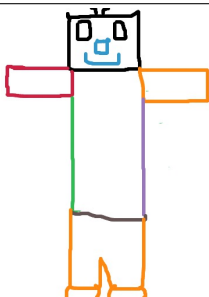
Some robots will kill other robots.

X X



Some robots will damage someone.

X X X



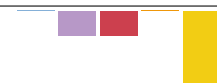
Some robots will marry people.

X X X



Some robots will be getting on the judge seat.

X X X



In 20 years, some robots will...



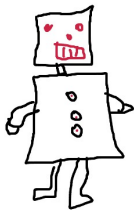
Some robots will blend in with society.

X X X



Some robots will dominate human beings.

X X X



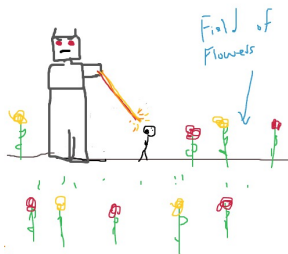
Some robots will learn and think.

X X X



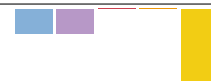
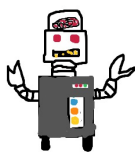
Some robots will overcome human beings in some field.

X X X

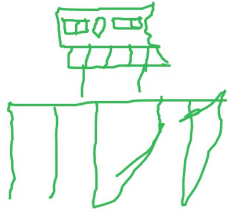


Some robots will be ruling the humans.

X X X



In 20 years, some robots will...



Some robots will be indistinguishable from humans.

X X X



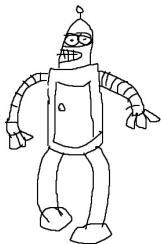
Some robots will be working in offices, doing clerical and customer service type of positions, thereby lessening the number of humans performing these functions.

X X X



Some robots will rule the world.

X X X



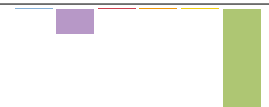
Some robots will learn how to reproduce.

X X X

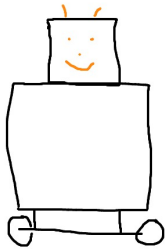


Some robots will be the soldiers in the boarder areas of the country.

X X X



In 20 years, some robots will...



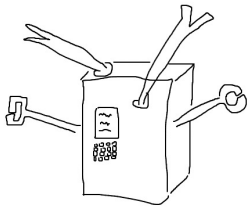
Some robots will be able to do our homework.

X X X



Some robots will start destroying nature.

X X X



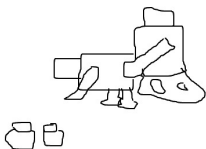
Some robots will start to work in governmental organizations.

X X X



Some robots will be able to communicate without humans knowing they are robots.

X X X



Some robots will reproduce without human interaction.

X X X

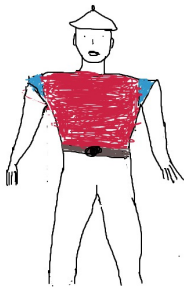


In 20 years, some robots will...



Some robots will resemble the human.

X X X



Some robots will react against opposition.

X X X



Some robots will surrogates representing humans.

X X X



Some robots will start to blame human beings.

X X X

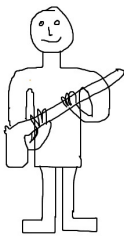


In 20 years, robots should...



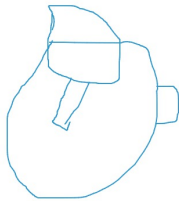
Robots should be available to many different households.

+ + +



Robots should be in anti terrorist forces.

+ + +



Robots should be able to have emotions and converse with humans perfectly.

+ + +



Robots should be thoughtful like wise people.

+ + +



Robots should be useful to professionals in many fields.

+ + +



In 20 years, robots should...



Robots should start planting trees.

+ + +



Robots should cook food.

+ + +



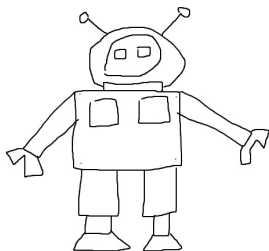
Robots should be available for industrial use.

+ + +



Robots should be capable of going to space and work there by themselves.

+ + +

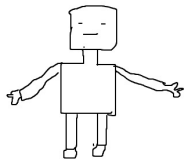


Robots should do autonomous work but it should not control the human.

+ + +

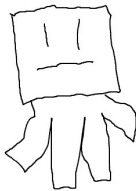


In 20 years, robots should...



Robots should be able to read our gestures and anticipate what we want.

+ + +



Robots should fly airplanes.

+ + +



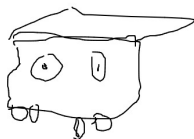
Robots should drive the flight and do the unimaginable things itself.

+ + +



Robots should go to work instead of humans.

+ + +



Robots should have the ability to perform household tasks.

+ + +



In 20 years, robots should...



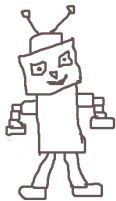
Robots should drive cars.

+ + +



Robots should be going to work in place of their human owners.

+ + +



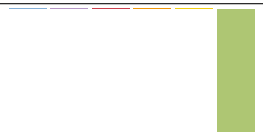
Robots should share the work burden of humans.

+ + +



Robots should make dinner.

+ + +



Robots should be a prestigious thing for humans like TVs in the olden days.

+ +



In 20 years, robots should...



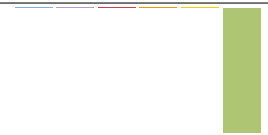
Robots should become human companions.

+ +



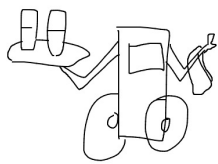
Robots should help humans with complex tasks.

+ +



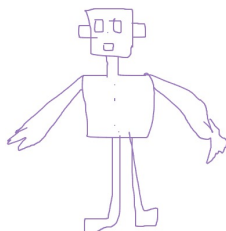
Robots should be commonplace.

+ +



Robots should be able to serve people at restaurants.

+ +

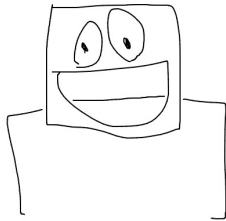


Robots should believe in life.

+ +

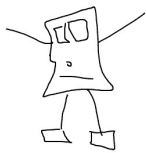


In 20 years, robots should...



Robots should mingle in our life.

+ +



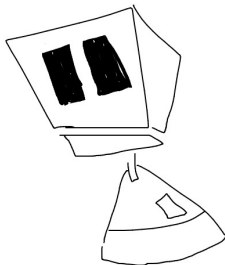
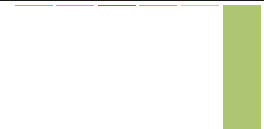
Robots should be cheap enough for humans to purchase and use in their houses.

+ +



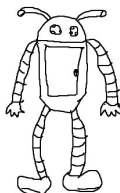
Robots should move heavy items from different places.

+ +



Robots should be more in activities.

+ +



Robots should be able to anticipate the needs of their owners.

+ +



In 20 years, robots should...



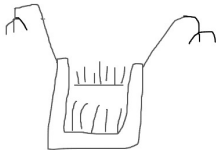
Robots should do all the housework.

+ +



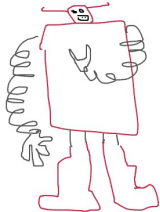
Robots should do the dishes and put them away.

+ +



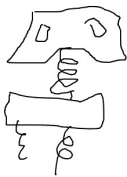
Robots should not be utilized for negative purposes.

+ +



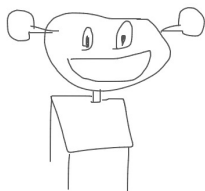
Robots should have to be controlled.

+ +

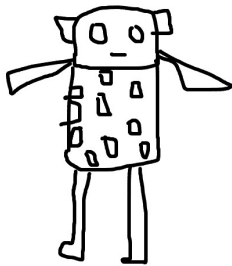


Robots should be really advanced.

+ +

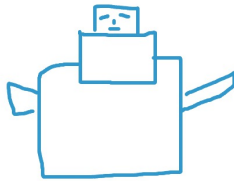


In 20 years, robots should...



Robots should decrease the amount of green house effect.

+ +



Robots should be surpassing our expectations in most areas.

+ +



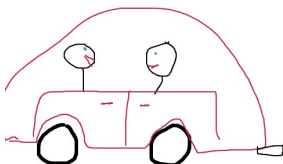
Robots should assist with medical procedures.

+ +



Robots should be dependable.

+ +

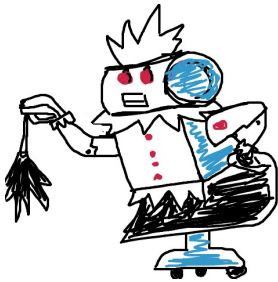


Robots should drive cars.

+ +

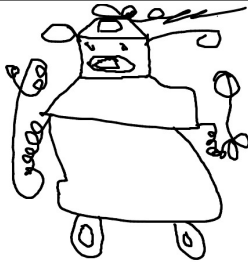


In 20 years, robots should...



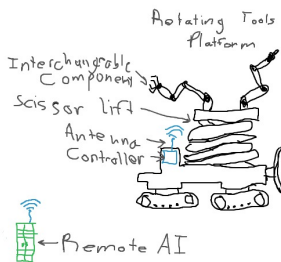
Robots should be able to clean our ovens, just as the roomba vacuums our floors now.

++



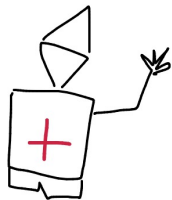
Robots should be commonplace in our lives.

++



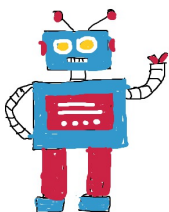
Robots should be building buildings and developing land.

++



Robots should be able to help the elderly live a normal life as much as possible.

++

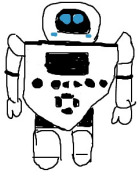


Robots should be able to be considered 'companions'.

++



In 20 years, robots should...



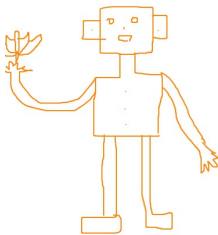
Robots should be more energy efficient.

+ +



Robots should be widely used in businesses for routine tasks.

+



Robots should be helpful to men.

+



Robots should be visible all over the country to the point of being normal and accepted as something to interact with.

+



Robots should clean the environment.

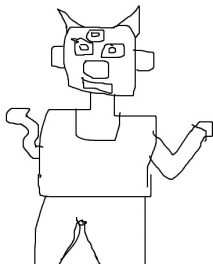
+



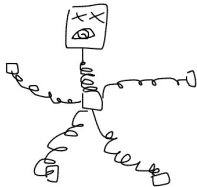
In 20 years, robots should...



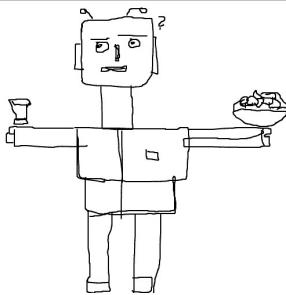
Robots should be more highly advanced and more intelligent.



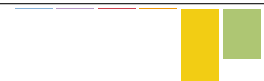
Robots should be able to adapt physically and emotionally, just as humans do.



Robots should go through gravity tests.



Robots should be independent thinkers facilitating all aspects of human life.



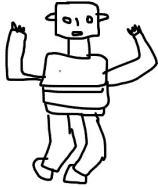
Robots should be a common sight in everyone's home.



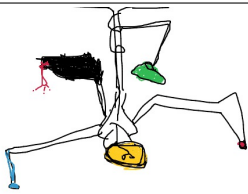
In 20 years, robots should...



Robots should be able to express some sort of feeling.



Robots should become commonplace in medical treatment.



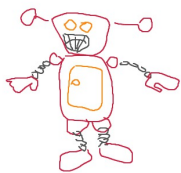
Robots should be able to be ordered off the internet.



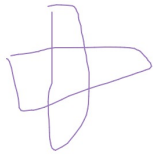
Robots should drive the cars.



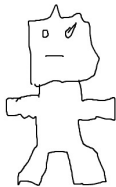
Robots should have brains.



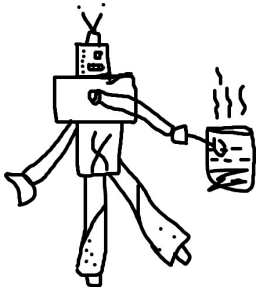
In 20 years, robots should...



Robots should not allowed to be so.

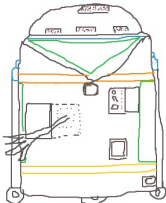


Robots should take decisions.



Robots should be used for jobs like cooking, driving, gardening, etc..

X



Robots should be in every household.

X



Robots should become an employee in all departments and industries.

X



In 20 years, robots should...



Robots should replace all fuel.

X



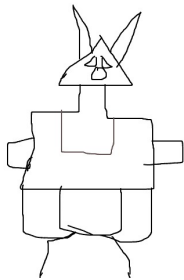
Robots should be able to think freely and have basic emotions.

X



Robots should remain quiet while completing their tasks.

X



Robots should be reduced in number.

X X



Robots should be slightly feared.

X X

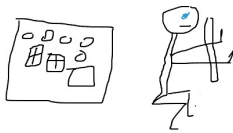


In 20 years, robots should...



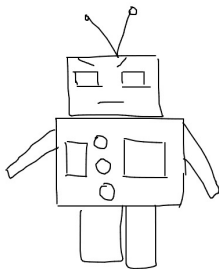
Robots should be capable of performing any human function.

X X



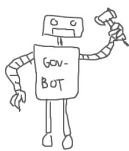
Robots should do all work without following human instructions.

X X



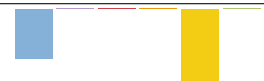
Robots should no longer be considered our friends.

X X



Robots should be involved in the government.

X X

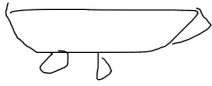


Robots should be able to reason out good and bad commands.

X X

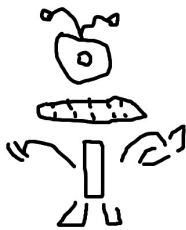


In 20 years, robots should...



Robots should be able to be of good service for the world (should only be used for wars or other necessary actions of protection).

X X



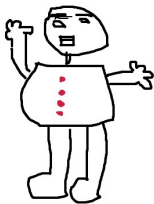
Robots should go back to where they came from.

X X



Robots should completely eliminate humans working as cashiers.

X X X



Robots should do most of the work.

X X X



Robots should give advises to the rulers of the country.

X X X

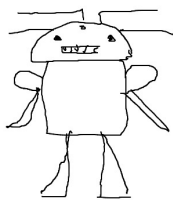


In 20 years, robots should...



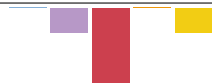
Robots should look like humans.

X X X



Robots should control all man made activity.

X X X



Robots should be able to *think*.

X X X



Robots should be equal to humans.

X X X

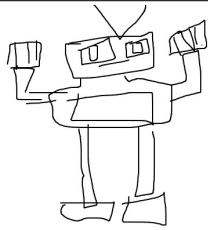


Robots should look more human and blend into society.

X X X



In 20 years, robots should...



Robots should be god.

X X X



Robots should take over the world.

X X X



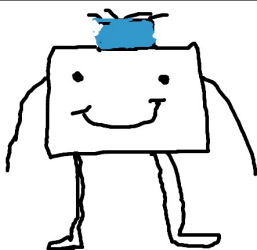
Robots should work the same like us.

X X X



Robots should create some problem.

X X X



Robots should be the new generation or kingdom of human life.

X X X



In 20 years, robots should...



Robots should be able to form a government.

X X X



30
years from now

In 30 years, robots may make us feel...

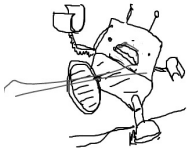


In 30 years, some robots will...



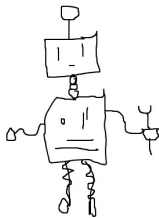
Some robots will guide our interactions with others.

+ + +



Some robots will be a car mechanic.

+ + +



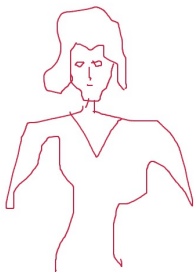
Some robots will complete complex original tasks.

+ + +



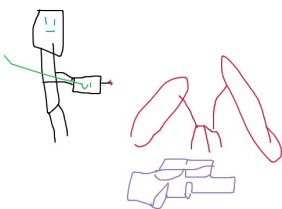
Some robots will be sent to other planets for exploration.

+ + +

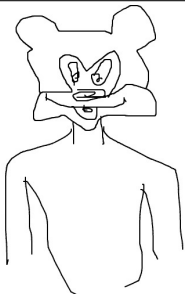


Some robots will be performing remote construction work.

+ + +

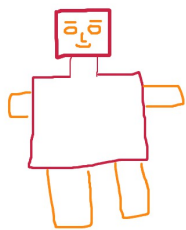


In 30 years, some robots will...



Some robots will land on the moon.

+ + +



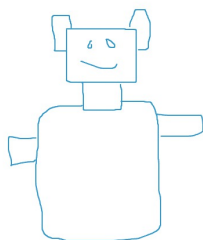
Some robots will fly planes.

+ + +



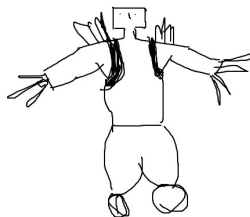
Some robots will land on mars.

+ + +



Some robots will support everything from rescue teams to spaceships to hospitals.

+ + +



Some robots will fix things that are broken.

+ + +

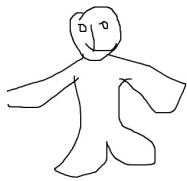


In 30 years, some robots will...



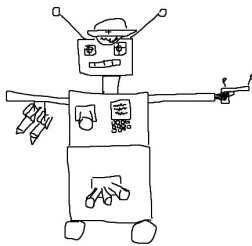
Some robots will perform surgeries.

+ + +



Some robots will clean house.

+ + +



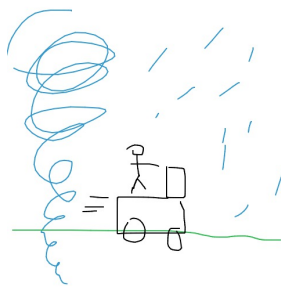
Some robots will be used for protection purposes.

+ + +



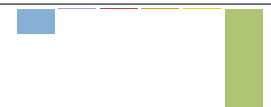
Some robots will begin to do things like being your personal assistant.

+ + +



Some robots will be there to help humans from all natural calamity.

+ + +



In 30 years, some robots will...



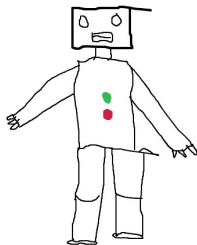
Some robots will be working in airports as baggage handlers.

++



Some robots will serve as police and soldiers to perform dangerous tasks.

++



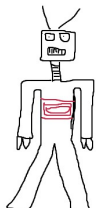
Some robots will be driving cars and flying airplanes.

++



Some robots will be stewardesses/stewards.

++



Some robots will determine what's wrong with someone at a hospital.

++

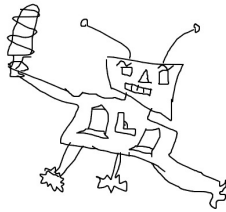


In 30 years, some robots will...



Some robots will have full artificial intelligence and unlimited battery usage.

++



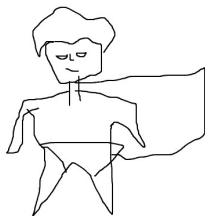
Some robots will fight in wars.

++



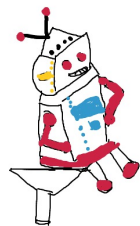
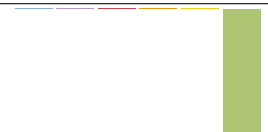
Some robots will more advanced.

++



Some robots will be able to drive.

++

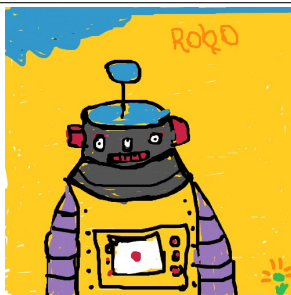


Some robots will talk like human.

++

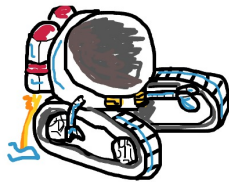


In 30 years, some robots will...



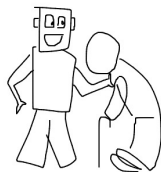
Some robots will be able to self improve/diagnose.

++



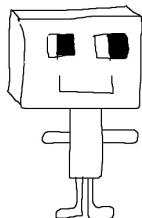
Some robots will be sent for space expeditions and they will actually be able to think like we, humans.

++



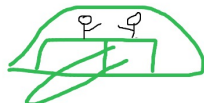
Some robots will be companions to handicapped and elderly people.

++



Some robots will be friends with people.

+

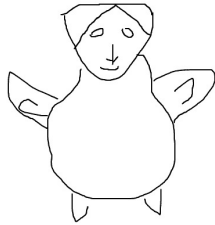


Some robots will be flying cars.

+



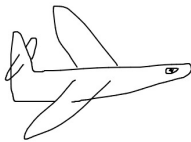
In 30 years, some robots will...



Some robots will attain consciousness.



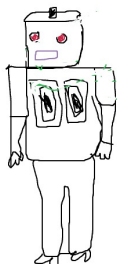
Some robots will be humanlike and in every home.



Some robots will be able to fly planes.



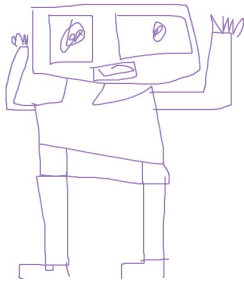
Some robots will be very life like.



Some robots will carry humans.



In 30 years, some robots will...



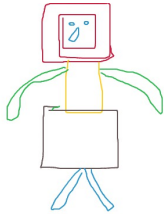
Some robots will help humans without any commands.



I have eliminated
the car
humans!
success



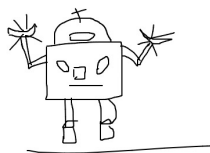
Some robots will be extremely successful on earth.



Some robots will do the job of a chauffeur.



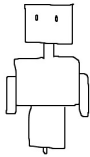
Some robots will try to write books.



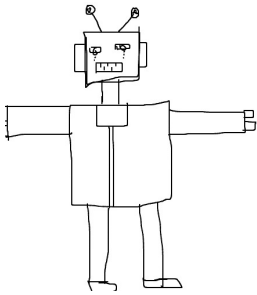
Some robots will be treated as obsolete.



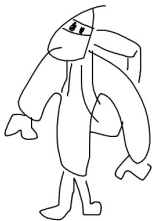
In 30 years, some robots will...



Some robots will become famous for their outstanding contribution.



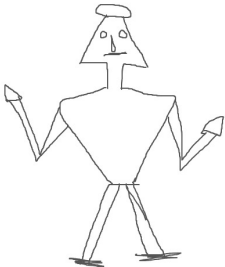
Some robots will have emotions and feelings.



Some robots will participate in social affairs.



Some robots will cry.



Some robots will look like human.



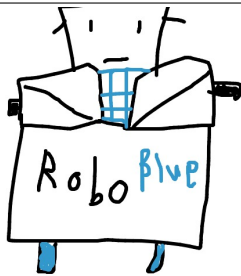
In 30 years, some robots will...



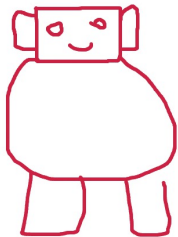
Some robots will be self aware.



Some robots will be very very special.



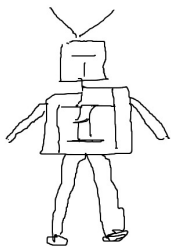
Some robots will eliminate the need for human soldiers.



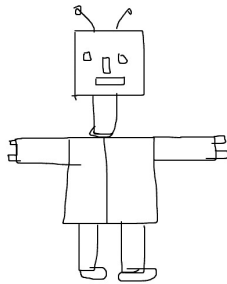
Some robots will be able to drive cars.



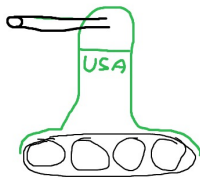
Some robots will perform like a person.



In 30 years, some robots will...



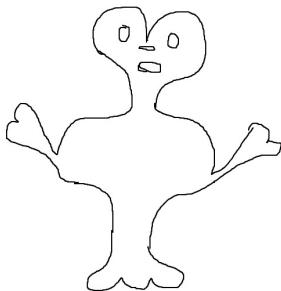
Some robots will be doing more involved tasks such as driving our cars.



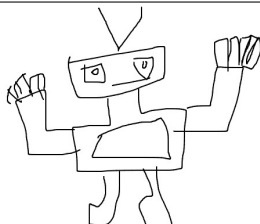
Some robots will fight wars.



Some robots will become just like a man.



Some robots will rock.

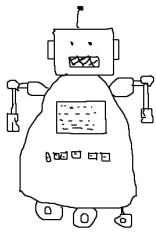


Some robots will be virtually indistinguishable from humans.

X



In 30 years, some robots will...



Some robots will be free-thinking and helpful beings.

X



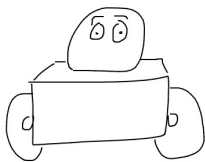
Some robots will be virtually indistinguishable from humans.

X



Some robots will become common household items.

X



Some robots will be doing all jobs that human can.

X

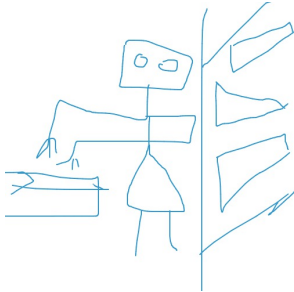


Some robots will be a fully functioning and true to life imitation of an actual human being, making it difficult to differentiate human and robot apart.

X X

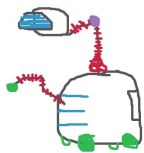


In 30 years, some robots will...



Some robots will perform surgery on a human being with little assistance from humans.

X X



Some robots will check the intelligence of humans by their face, movement, etc..

X X



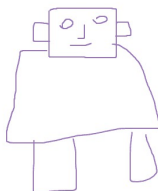
Some robots will be humanoid and suitable for companionship.

X X



Some robots will start to control men.

X X



Some robots will replace humans that operate public transportation (busses, trains, and taxi cabs).

X X

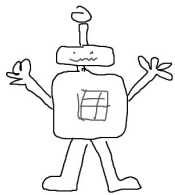


In 30 years, some robots will...



Some robots will live in most homes.

X X



Some robots will be babysitting our children and working as communicative maids and domestic help.

X X



Some robots will have taken over human kind.

X X



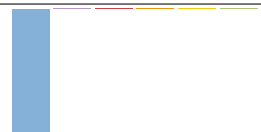
Some robots will replace blood cells with thousands of times higher efficiency of work.

X X



Some robots will be obsolete.

X X



In 30 years, some robots will...



Some robots will be able to perform surgery in an operating room.

X X



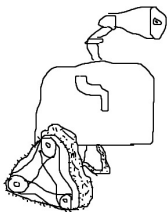
Some robots will be part of our life.

X X



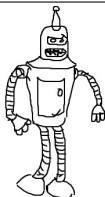
Some robots will have households of their own.

X X



Some robots will be able to think.

X X

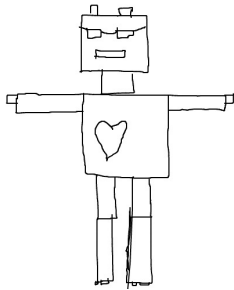


Some robots will start robots rights commission.

X X

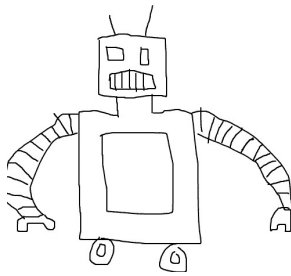


In 30 years, some robots will...



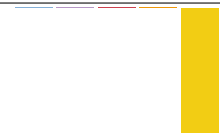
Some robots will be the nuisance of the world.

X X X



Some robots will be a gun man.

X X X



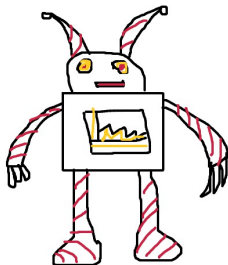
Some robots will take over the world.

X X X



Some robots will program humans to work for them.

X X X

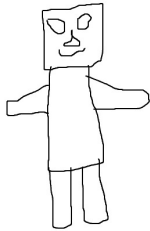


Some robots will do a lot of work and drive a car or even a flight.

X X X



In 30 years, some robots will...



Some robots will have baby robots.

X X X



Some robots will occupy the whole world.

X X X



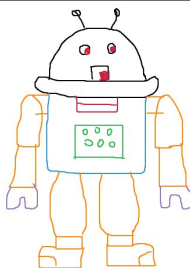
Some robots will become very smart, find us useless and take over the world.

X X X



Some robots will rule the world.

X X X



Some robots will become the leaders of human beings.

X X X



In 30 years, some robots will...



Some robots will rule human.

X X X



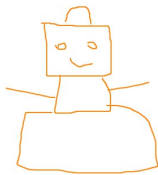
Some robots will be able to take over the world.

X X X



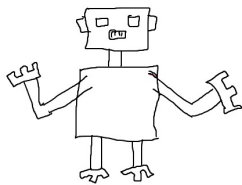
Some robots will be able to take over the world.

X X X



Some robots will reproduce.

X X X

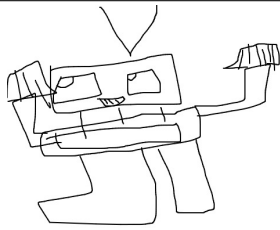


Some robots will be like humans (making it difficult to identify humans from robots).

X X X



In 30 years, some robots will...



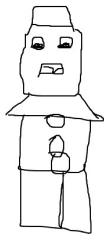
Some robots will conquer the world.

X X X



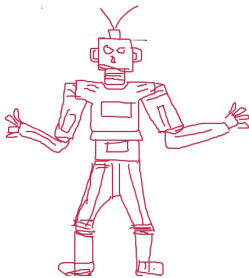
Some robots will run the government.

X X X



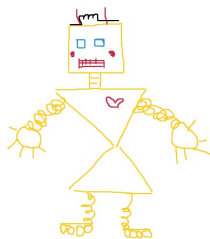
Some robots will be replacing humans in the work force.

X X X



Some robots will take the place of infantry.

X X X



Some robots will be our parents.

X X X

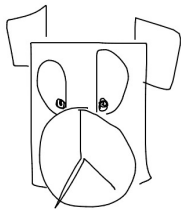


In 30 years, some robots will...



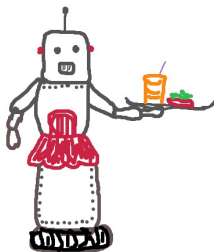
Some robots will be fully integrated into our lives.

X X X



Some robots will takeover humanity and create a peaceful world.

X X X



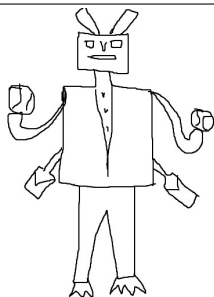
Some robots will have undergone a major shift in the workforce as robots take over most jobs.

X X X



Some robots will be more like humans.

X X X



Some robots will rule the world.

X X X

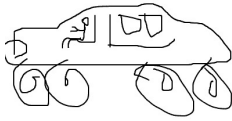


In 30 years, some robots will...



Some robots will be the rulers of the country.

X X X



Some robots will take over the world.

X X X



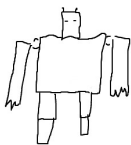
Some robots will be brain controlled artificial limbs.

X X X



Some robots will rule the world.

X X X



Some robots will replace all the workers.

X X X

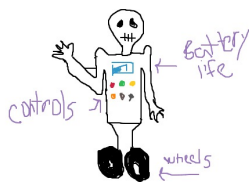


In 30 years, some robots will...



Some robots will demolish the human life.

X X X



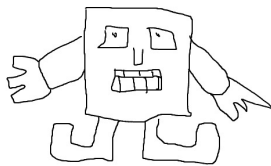
Some robots will rule the earth.

X X X



Some robots will rule the world.

X X X



Some robots will conquer the world.

X X X

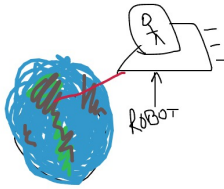


Some robots will try to overcome humans.

X X X

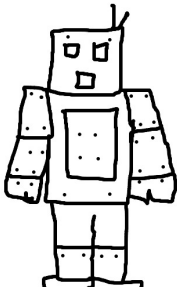


In 30 years, some robots will...



Some robots will rule the world.

X X X



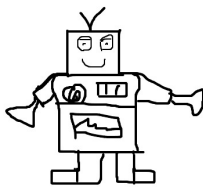
Some robots will evolve into life and reproduce.

X X X



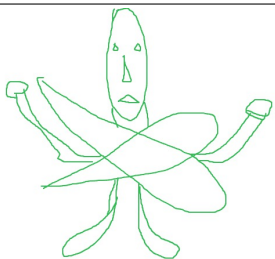
Some robots will become merge with humans.

X X X



Some robots will enter politics.

X X X

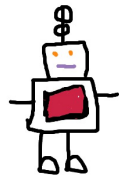


Some robots will turn against the human race.

X X X



In 30 years, some robots will...



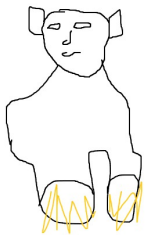
Some robots will run the world more or less.

X X X



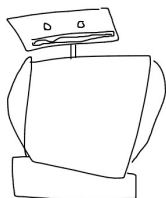
Some robots will think like human beings and have the capacity to verify the thinks.

X X X



Some robots will overtake human beings.

X X X



Some robots will help protect rich people from poor people.

X X X

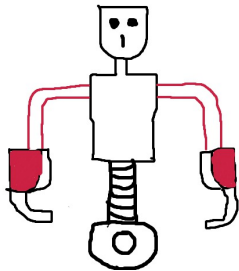


Some robots will be nearly indistinguishable from humans.

X X X

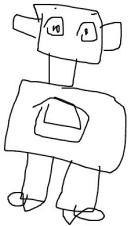


In 30 years, some robots will...



Some robots will make the world dependable upon them.

X X X

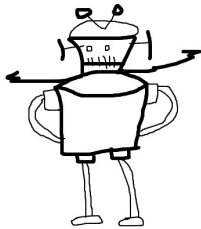


Some robots will want to have rights.

X X X

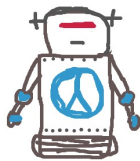


In 30 years, robots should...



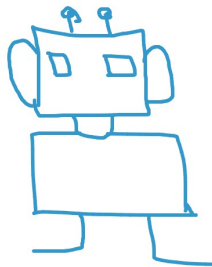
Robots should pick up garbage.

+ + +



Robots should be limited so they don't infringe on our rights.

+ + +



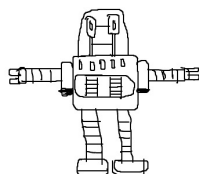
Robots should help human beings.

+ + +



Robots should become more useful in our everyday lives.

+ + +



Robots should be in most households in some form or another (ex: smart vacuum cleaner).

+ + +

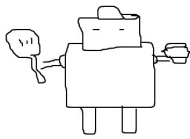


In 30 years, robots should...



Robots should be able to prepare food and drinks.

+ + +



Robots should be more advanced and able to handle more tasks that minimum wage people would handle previously.

+ + +



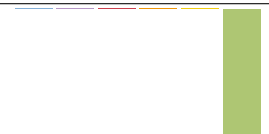
Robots should improve quality of life for humans.

+ + +



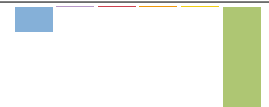
Robots should be used in place of humans to explore deep space.

+ + +



Robots should be readily available to carry out care taking work in day care, elder care and other types of facilities.

+ +

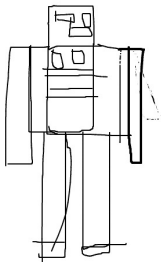


In 30 years, robots should...



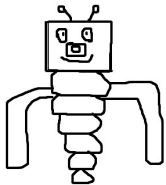
Robots should be able to do things independently.

+ +



Robots should be carefully monitored by actual humans.

+ +



Robots should be able to fly people around.

+ +



Robots should travel to mars.

+ +



Robots should provide both services and companionship, and health and medical needs.

+ +



In 30 years, robots should...



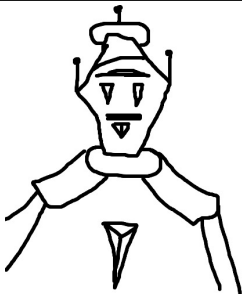
Robots should be designed to make sure they are not harmful to humans.

++



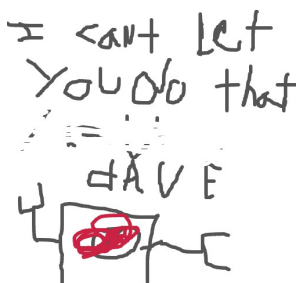
Robots should be a common household item.

++



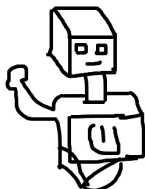
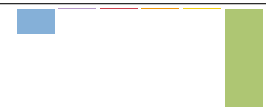
Robots should be smaller in size, but bigger in the amount of abilities they have.

++



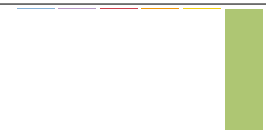
Robots should be used wisely.

++



Robots should be strictly supervised.

++

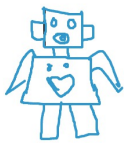


In 30 years, robots should...



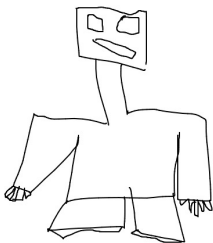
Robots should remain subservient to their human owners.

+ +



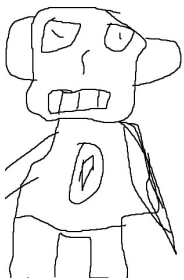
Robots should be environmentally friendly.

+ +



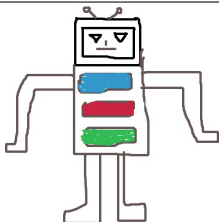
Robots should bring back the greenery.

+ +



Robots should go on space missions.

+ +

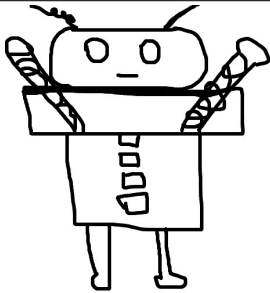


Robots should save the human race.

+ +



In 30 years, robots should...



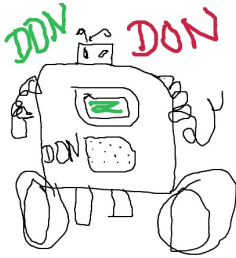
Robots should be everywhere.

+



Robots should be so commonplace to humans that they do not give them a second thought, such as the way we look at automobiles today.

+



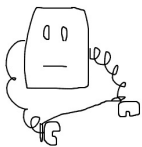
Robots should be everywhere.

+



Robots should be more or less human in many aspects, able to have real conversations and interactions and act very human.

+

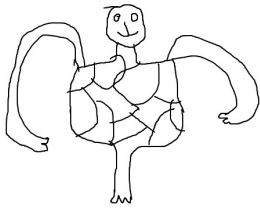


Robots should still be our slaves.

+



In 30 years, robots should...



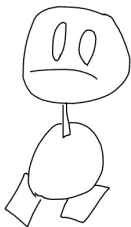
Robots should take on more complex tasks.



Robots should assist in more homes as housekeepers.



Robots should be protected from their vigorous activities.



Robots should take rest in their depressed mode.



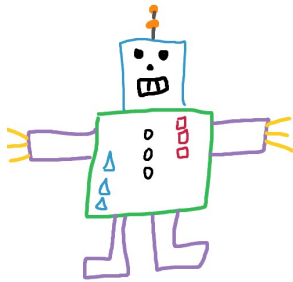
Robots should do social service for free.



In 30 years, robots should...



Robots should serve as our military.



Robots should ease out many jobs.



Robots should do the biological things.



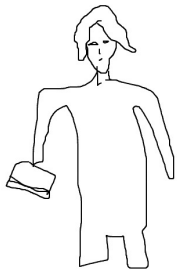
Robots should be able to think for themselves.



Robots should be more intelligent than humans.



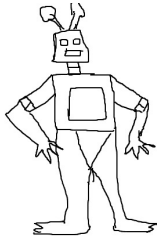
In 30 years, robots should...



Robots should not talk to you but will get everything of you if you come in front.



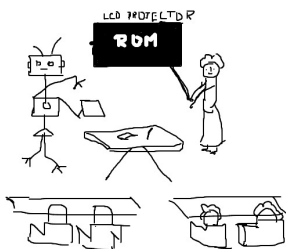
Robots should have a place in society.



Robots should be so advanced that they can do anything.



Robots should be as sophisticated and as close to human functioning as possible.



Robots should exist in the classrooms as assistant teachers.



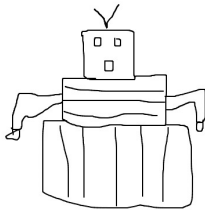
In 30 years, robots should...



Robots should realize earth is going to be destroyed and go to the moon.



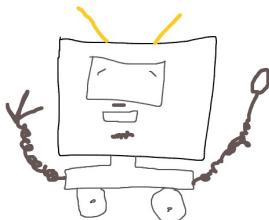
Robots should be unplugged.



Robots should go to a different galaxy.



Robots should be on par with human intelligence.



Robots should perform many useful functions just existing as a box.

X



In 30 years, robots should...



Robots should replace 90% of the human workforce.

X



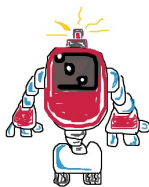
Robots should be able to think.

X



Robots should behave like man.

X



Robots should guide the world.

X X



Robots should work like most managers.

X X

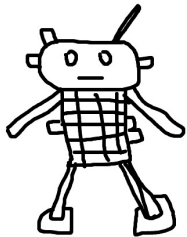


In 30 years, robots should...



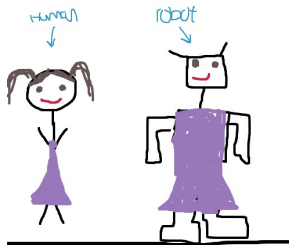
Robots should have emotions in them.

X X



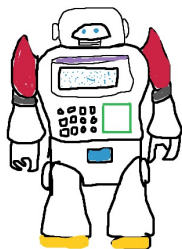
Robots should be used for major operations.

X X



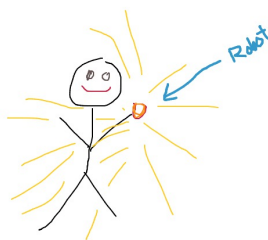
Robots should dress and mimic humans in many ways.

X X



Robots should as a human...

X X

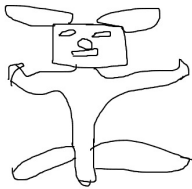


Robots should be able to extraordinary things to protect humans from danger.

X X



In 30 years, robots should...



Robots should be self aware.

X X



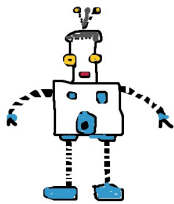
Robots should be able analyze personalities.

X X



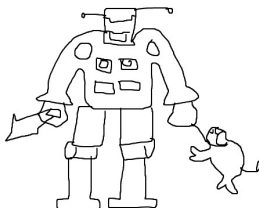
Robots should be more efficient than most people.

X X



Robots should take the place of stupid people.

X X



Robots should be considered very dangerous!.

X X



In 30 years, robots should...



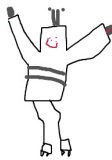
Robots should have valuable places in industry and the military.

X X



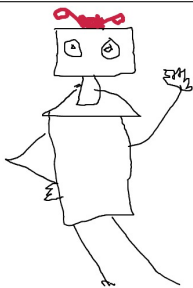
Robots should get older like humans.

X X



Robots should not do anything more advanced.

X X



Robots should be independent beings who can make decisions and act as citizens of the world.

X X

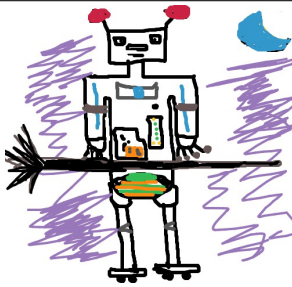


Robots should replace humans in some work fields.

X X X

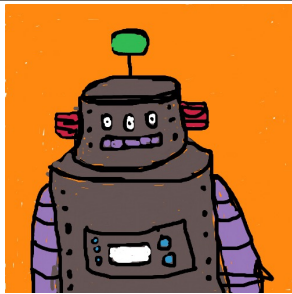


In 30 years, robots should...



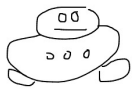
Robots should be watchman at night and also local police.

X X X



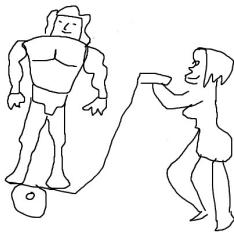
Robots should be equals to humans for the law.

X X X



Robots should be considered a higher life form.

X X X



Robots should replace some humans.

X X X

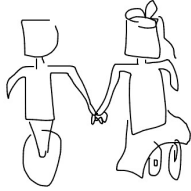


Robots should be competent enough to challenge humans.

X X X

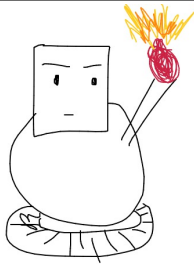


In 30 years, robots should...



Robots should marry.

X X X



Robots should destroy the entire world.

X X X



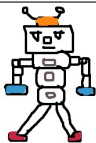
Robots should take most of the human brain.

X X X



Robots should takeover all forms of government and run them efficiently.

X X X



Robots should be the leaders of the world.

X X X

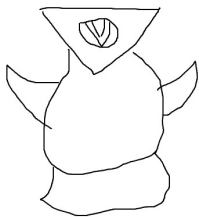


In 30 years, robots should...



Robots should help rule the world.

X X X



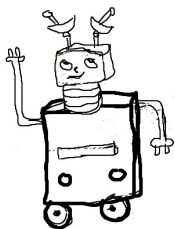
Robots should be the general manager of multinational companies.

X X X



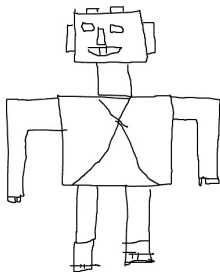
Robots should be destroyed.

X X X



Robots should kill all humans.

X X X

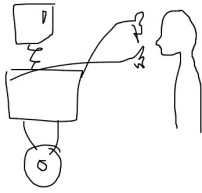


Robots should prepare each and every thing in this world without the help of humans.

X X X



In 30 years, robots should...



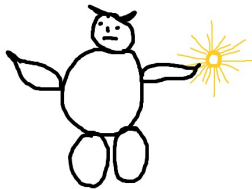
Robots should build the perfect human.

X X X



Robots should destroy everything.

X X X



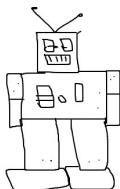
Robots should rule the world.

X X X



Robots should stop.

X X X



Robots should take over the planet so humans can watch tv all day.

X X X



In 30 years, robots should...



Robots should make it so humans have to do no work whatsoever.

X X X



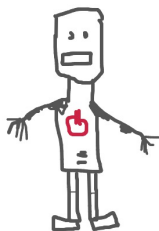
Robots should be considered very dangerous!.

X X X



Robots should do all the work of human beings.

X X X



Robots should be equal to human in doing anything.

X X X

