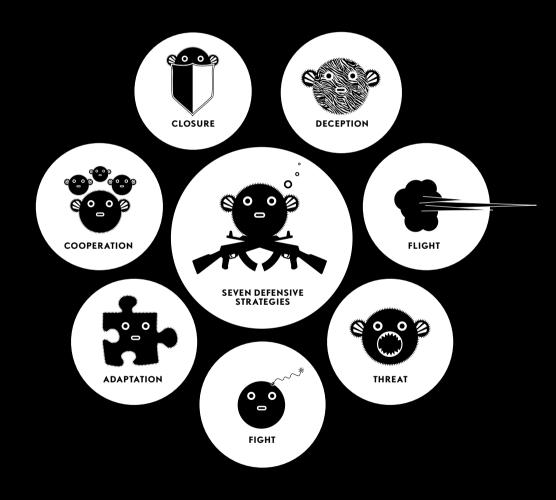
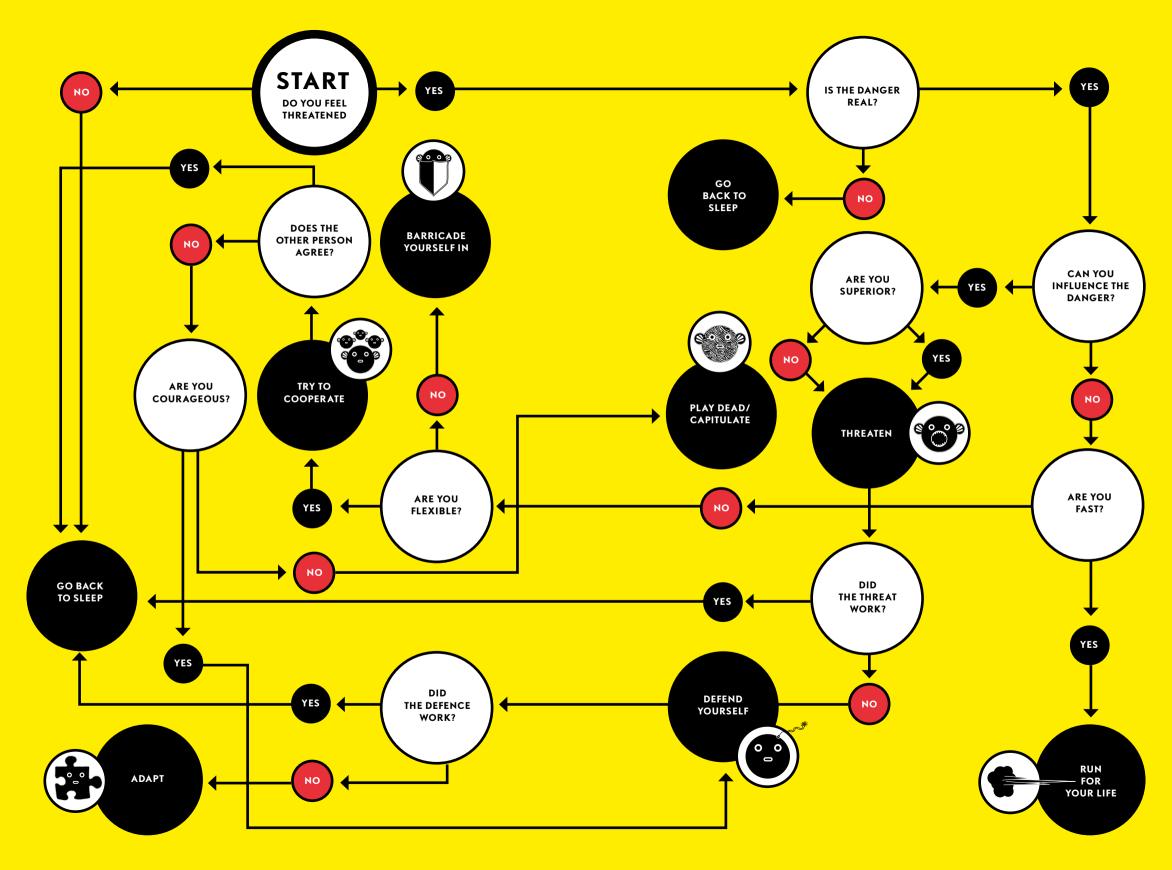
KALASHNIKOV AND GLOBEFISH





PATENTS

Ð

ĪĪĪĪ

The European Patent Office granted its first patent in 1978, its two hundred thousandth in 1992, and 50,000 in 2007.

ARMOUR

Chinese paper armour gives more protection than Europe's iron variety, because its layering principle allows the force of spear thrusts to be distributed all over the body.

CUSTOMS

The German Customs Office confiscated 291 million cigarettes, 6668 kg of marihuana, 776 kg of cocaine, 6273 military weapons and 169 kg of explosives in 2008.

FREE KICK WALL Only 5 to 10% of free kicks find the goal.

PROTECTIONISM

A G20 member broke its promise not to use protectionist measures every three days on average in 2009.

CELL WALL

A cell membrane is 5 millionths of a millimetre thick. An adult contains hundreds of trillions of these walls, which protect the cells from toxic molecules.

SHELTERS

Sweden and Finland take second and third place, with capacity to accommodate 81 and 70% of their populations respectively in shelters in cases of emergency. Switzerland, however, holds the world record: it had 114% cover in 2006.

FLIGHT Objective: to evade an encounter with a threat by retreating to a safe refuge.

of women meet the criteria for alcoholism at least once in their lives. MIGRATION In 2011, 327,200 people applied for asylum in Europe, 19% more than in the previous year.

FICTIONAL WORLDS

Video games are played in 65% of US households – for an average of 8 hours per week.

SUICIDE

ALCOHOL

140 million people world-wide are

dependent on alcohol. In the USA

and Europe, 10 – 20% of men and 5 – 10%

As a result of the economic crisis, the number of suicides in Greece in 2011 rose by 45% compared to the previous year.

WORKAHOLISM

More and more people in Japan are dying of overwork. There are already 350 centres for the treatment of workaholics.

LYING A human being lies 200 times a day on average to ward off exclusion, trouble or effort.

OPTICAL CAMOUFLAGE

In WWI, zebra patterns on warships made it difficult to determine their size and course. Nowadays, zebra-style makeup can prevent recognition by face scanners.

DUMMIES

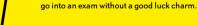
The Kaiser moth caterpillar passes its pupation period in a rolled-up leaf. To divert attention from itself, it prepares several such leaves as dummies. During WWII inflatable plastic Wehrmacht tanks, aircraft and trucks containing 1100 US soldiers were used to give the impression of a 30,000-man division.

CHEMICAL CAMOUFLAGE

The Pfeiffer influenza bacterium camouflages itself from the immune system as a harmless cell: it removes sialic acid from body cells and binds with it.

EYESPOTS

Some types of passion flower protect themselves from being eaten by caterpillars with markings that imitate butterfly larvae. Eyespots on fish or insects mimic the heads of larger creatures.



CHASTITY BELT

Some male spiders seal the female reproductive tract with a plug after copulation in order to defend their paternity. Human chastity belts, on the other hand, served primarily to protect against rape and prevent masturbation.

SUPERSTITION

CLOSURE

Objective: to keep dangers out by building physical

or psychological barriers.

0

井井

PRISON

85% of all US skyscrapers have no 13th floor.

In Europe, two thirds of young people would not

In the USA, 2.4% of the

population is currently in jail.

0









EQUITY FLIGHT

In November 2011, investors

withdrew EUR 25.4 billion net from

equity investment funds Europe-wide.

RIDING IN THE SLIPSTREAM Riding in a fellow-athlete's slipstream in competitive cycling can save up to 30% of energy.

COOPERATION

Objective: to combine with allies - friends or enemies -

to dispel a danger.

The Swiss private bank Wegelin spun off its

in 2011 in order to protect it from the US

revenue authorities. A lizard does something

similar with its tail when the latter is attacked

COMPLEMENTARY CURRENCIES

in times of crisis make economic systems

more resilient. There are now more than 4000 of these worldwide – from Basel's

the Italian EcoRoma to the seashells.

money on various South Sea islands.

sharks' teeth and pig's tail bristles used as

Local currencies to which people can switch

Bon-Netz-Bon ("good network voucher") and

private customer business in the home market

AUTOTOMY

A

DEMONSTRATIONS

revolutionaries drove out their despots in 2011 with breath-taking speed: Tunisia's Ben Ali had to go in January, a few weeks later Hosni Mubarak of Egypt followed and August marked the fall of Libya's eccentric tyrant Gaddafi after 42 years.

Symbiotic relationships for mutual protection exist not only in nature – for example, acacias offer ants their thorns in return for protection against herbivore enemies –, but also between humans and watchdogs or politicians and industry representatives.

countries have introduced "express lanes" which can only be used by cars containing two or more people, otherwise fines are imposed. More and more people are offering to share cars



IMMUNE TOLERANCE Mice learn to live with malaria pathogens:



they increase their immune tolerance.



COMPENSATION PAYMENTS

In many places, compensatory contributions can be paid to finance climate protection projects when people carry out acts that will cause damage the environment, e.g. booking flights. Myclimate customers alone reduced CO₂ by 166.822 tonnes in 2010 by this means.

SWARMS

Swarms and herds offer protection because the enemy finds it hard to concentrate on just one victim and risks injuries if it attacks. Dangers can also be located much more quickly in the group. Now, "digital ants" actually locate computer viruses in record time by means of swarm intelligence.

Starting with mass demonstrations, Arab

SYMBIOTIC RELATIONSHIPS

CAR POOLING

To reduce traffic jams and pollution, several since the system was introduced.

ALLIANCES

UNO, which now has 193 members, was founded in 1945 to secure world peace and protect human rights, among other reasons.



clothes is whether their friends wear the same brand.

0

ADAPTATION

Objective: to increase your resistance or reduce

a target by changing one's self.



SOCIAL ADAPTATION A decisive factor for 68% of 13-19-yearold Germans when shopping for





other disciplines, it teaches espionage, litigation, bribery

MILITARY PARADES

VERBAL DEFENCE

The Economic Warfare School of Paris aims to merge

economic and military defence methods. Among

FIGHT

Objective: to drive the opponent away or render him

unfit for action by physical, psychological or statutory

defensive measures.

Military parades already existed in antiquity. Titus carried out a major roll-call during which

In 1900 there were fewer than 200 lawyers in

Switzerland, now there are more than 8000.

Many animals puff themselves up to a larger size when in danger. The globefish, for if its threatening behaviour is unsuccessful.

THREATENING GESTURES

HAND FIREARMS

60% of the total of 639 million hand firearms in the world are owned by civilians, 38% by the army, 2% by the police and 0.2% by paramilitary organisations.

ACOUSTIC WEAPONS

Classical music is played outside US supermarkets to stop teenagers from hanging around.

the ant species Camponotus saunderi has specially and spray adversaries with glue.

weapon held by certain species of caterpillars. They soothe adversaries with an aggressionreducing secretion – similarly to human tears. which also have a de-escalating effect.

allergies. 4 million working days are lost world-wide

WAGING WAR

Afghanistan are estimated at USD 3.000 billion. more than ten times the amount of Africa's total debt to the industrialised countries.

The warning colours – including black and in the animal kingdom were also adopted

THREAT

Objective: to frighten away an adversary using warning

colouration, threatening gestures or announcements of unpleasant

consquences if the adversary were to attack

A example, pumps itself full of water; it is then harder to swallow.

for the number eight in China.

Þ

MARTYRS Even the animal world has its suicide bombers:

equipped workers which can explode in emergencies

SOOTHING SECRETION

Potential as yet unused by humans lies in the

IMMUNE SYSTEM

30 – 40% of the world population is affected by every year due to hay fever.

The costs of the anti-terrorist wars in Irag and

WARNING COLOURS

yellow, red or poison green – that signal danger by humans for warning signs and traffic signals.

and rumour-mongering. RRARA

LITIGATION AND RUMOURS

For example, during the siege of Jerusalem his legionaries received their pay fully armed in order to intimidate the besieged enemy.

PUFFING UP

Threatening gestures can lead to misunderstandings: for example, a clenched fist in the Arab culture is construed as an offer of a sexual nature. And a gesture that is interpreted in Europe as a pistol stands