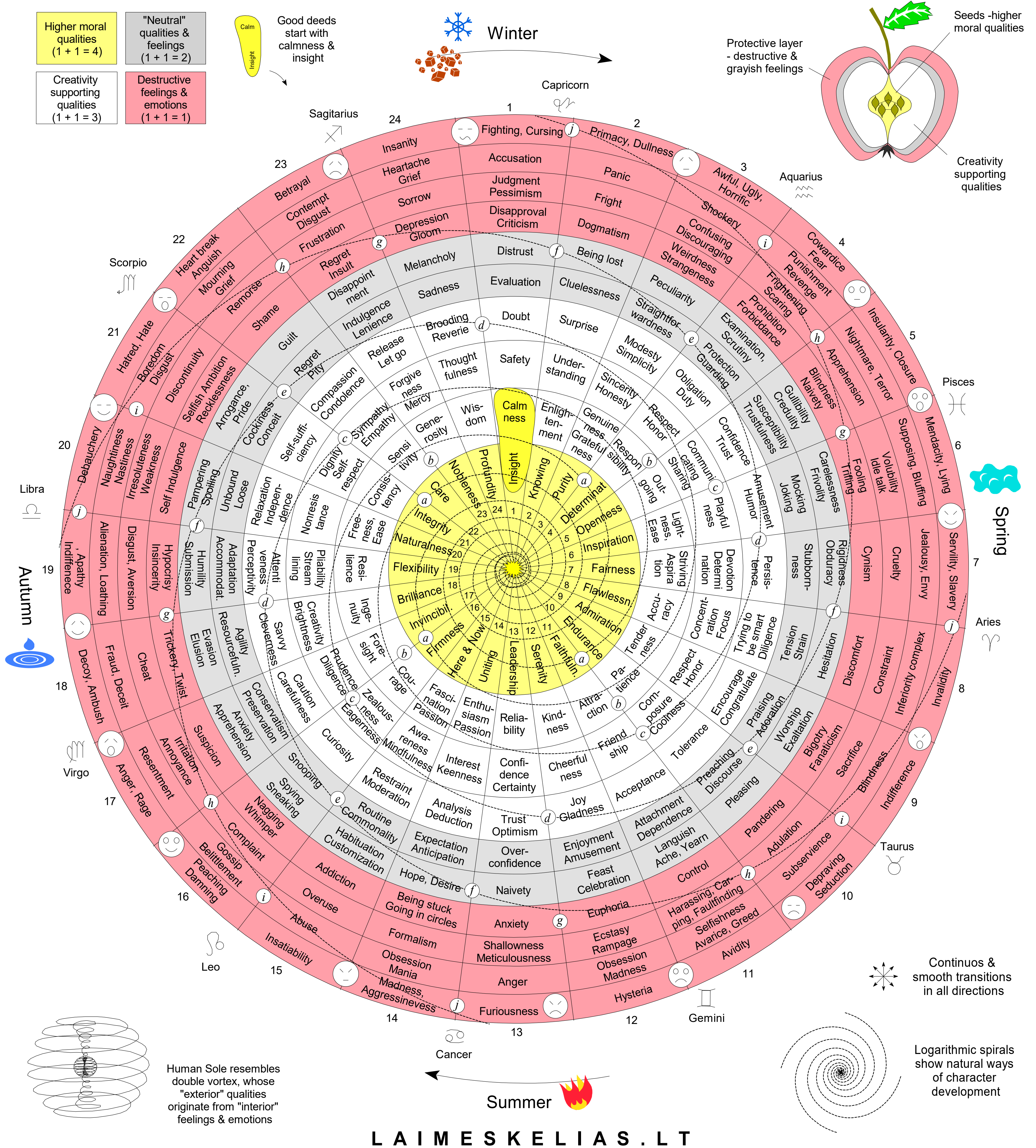


Atlas of Character Qualities, Feelings and Emotions

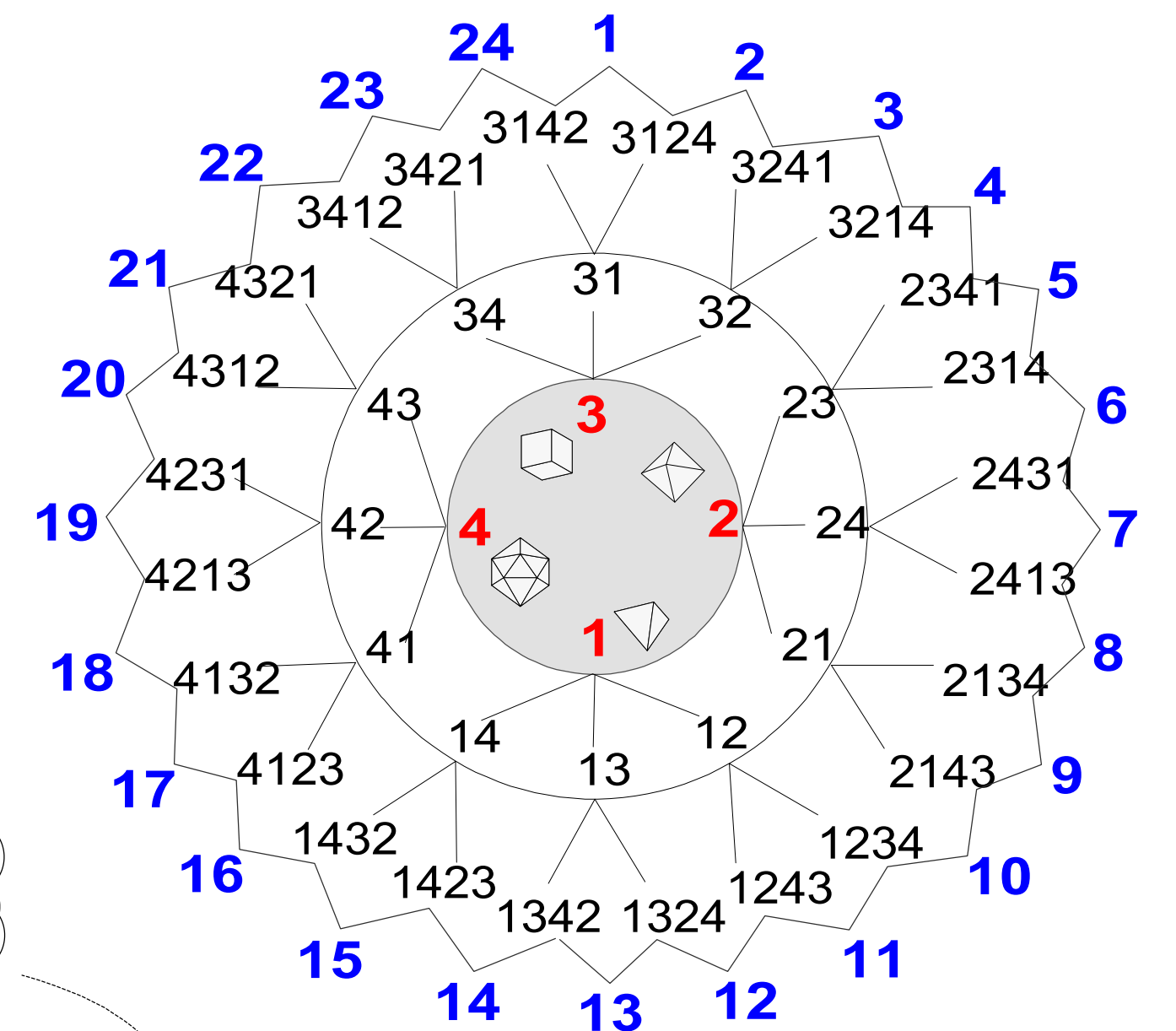
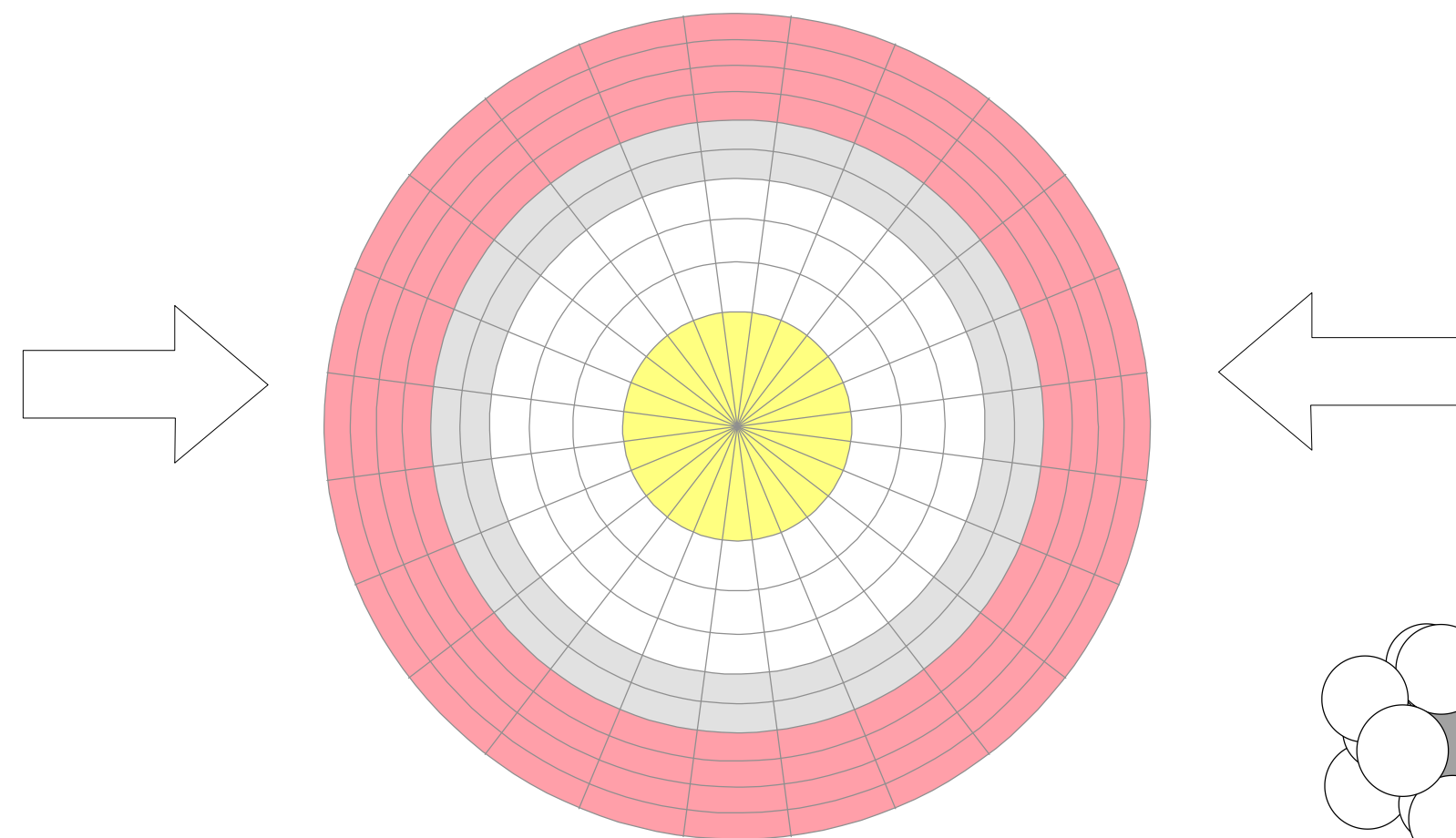
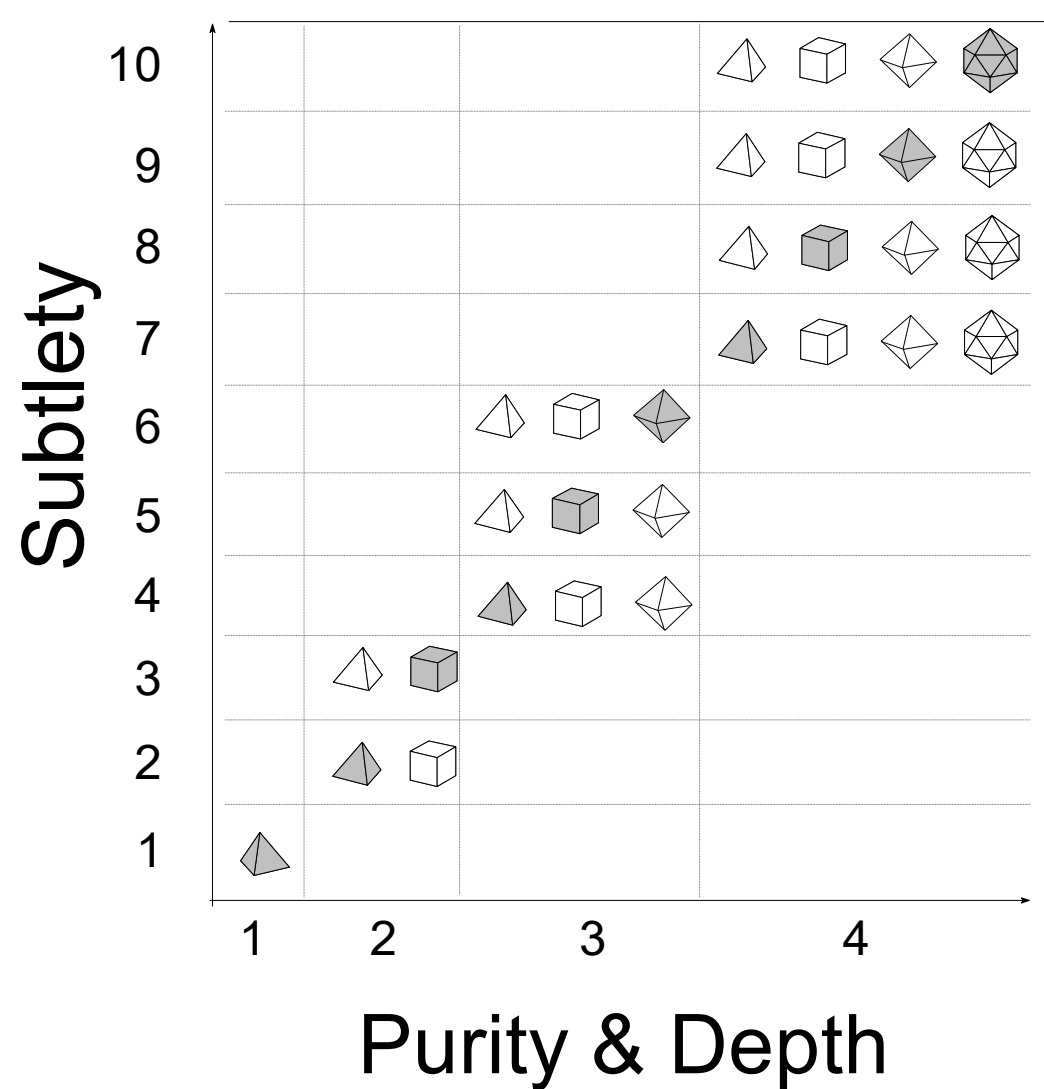
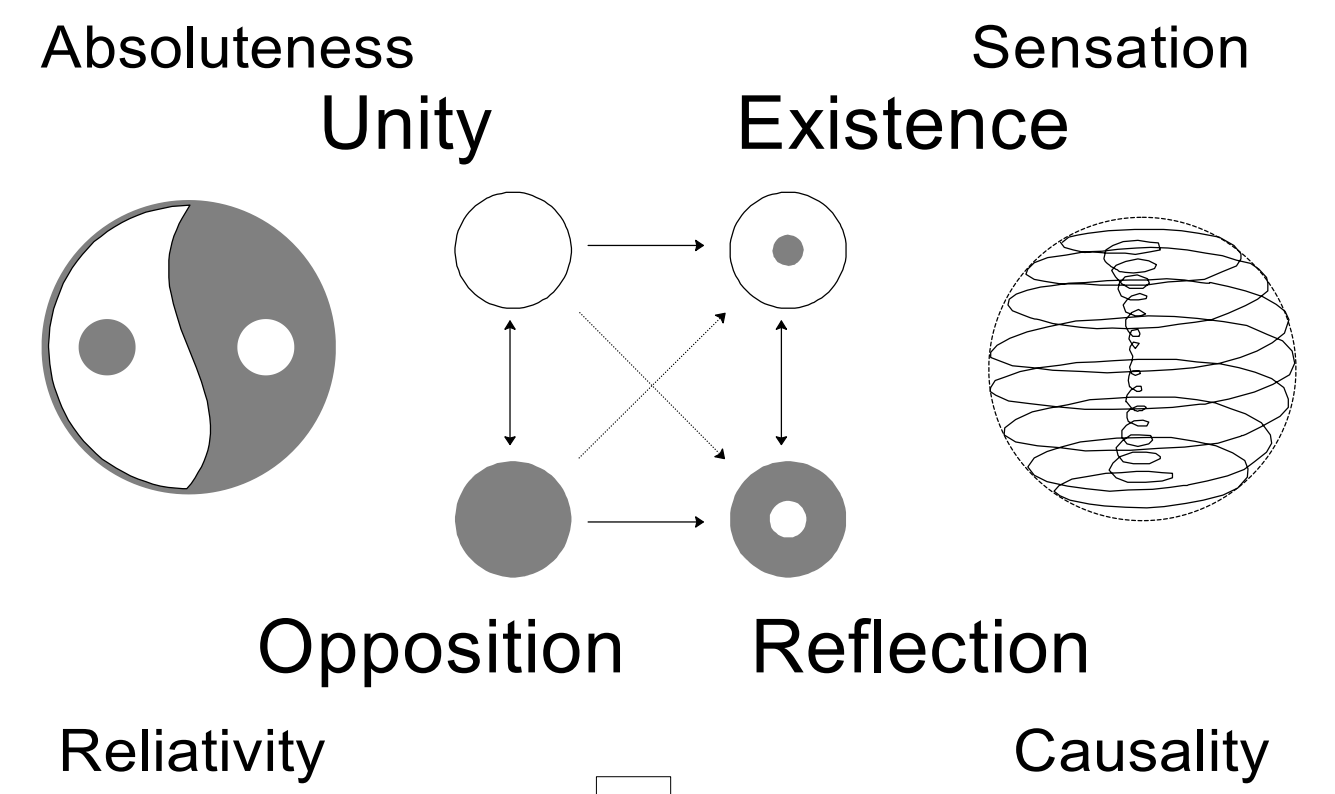


Human Soul is like entire Universe, composed of multiple layers and creatures, all of which are similar to apple. Apple's skin is made of the roughest qualities and emotions (marked in red) that protect inside from the outer dangers. Immediately under skin we have "neutral" feelings (in grey) that act as underskin fat: it protects us from the cold of outside and accumulates unwanted toxins from inside. Grey feelings ensure "autonomic functioning" independently of Heart, thus creating a sense of "shallow convenience and indifference". Further inside we have softer (white) feelings that support creativity and nurture Heart. The Heart is made of the most subtle (yellow) energies, that are too gentle to be described in usual words. They compose the most beautiful dreams and values for which (and owing to which) we all live. Their goal is to constantly live in white and yellow, while grey and red should only be called upon necessity ...

How it was obtained

The Atlas of Feelings assumes that all is based on inner oppositions, thus mirroring the Yin and Yang principle, Newton's 3rd law ("any action causes equal counter-action"), d'Alembert's wave equation ("any standing wave is a sum of two moving counter-waves"), etc. Unbalanced inner forces are rude and thus "fight each other". But if balanced, they interact softly, yielding new (more subtle) phenomena. This process repeats infinitely, producing new feelings of increasing dimensionality and subtlety.

The first pair of oppositions involves senses of Unity (Absoluteness) and Opposition (Relativity). By uniting, they produce senses of Existence (Sensation) and Reflection (Causality). All of these unite again, producing Desire (Fire), Satisfaction (Earth), Belief (Air) and Adaptation / Observance (Water). All permutations of the latter produce 24 "tertiary" energies that appear to us as customary feelings ("Calm", "Reliability", "Aspiration", etc)



The four parent energies can participate in permutations with different "statistical weights". Each parent can be either active or inactive. If active, it can either be a leader or a follow another leader. This gives us 10 possible situations: 4 possibilities when all 4 parents are active, 3 when only 3 active, 2 when 2 active, and 1 when 1 active. Each variant represents a certain level of subtleness.

Multiplying 10 by 24 we obtain 240 individual energies. 24 and 240 are the numbers of identical balls that touch a central one in 4 and 8 dimensions, respectively (Kissing Numbers, K_N , in D_4 and E_8 lattices). It is very close to the number of dimensions in octonion - octonionic Universe (248, google Geometric Unity of Eric Weinstein).

$$K_4 = 24 \quad K_{24} = 196,560$$

$$K_8 = 240 \quad K_{240} = 4 \cdot 10^{47}$$

$$F_8 = 21 \quad F_{21} = 10,946$$

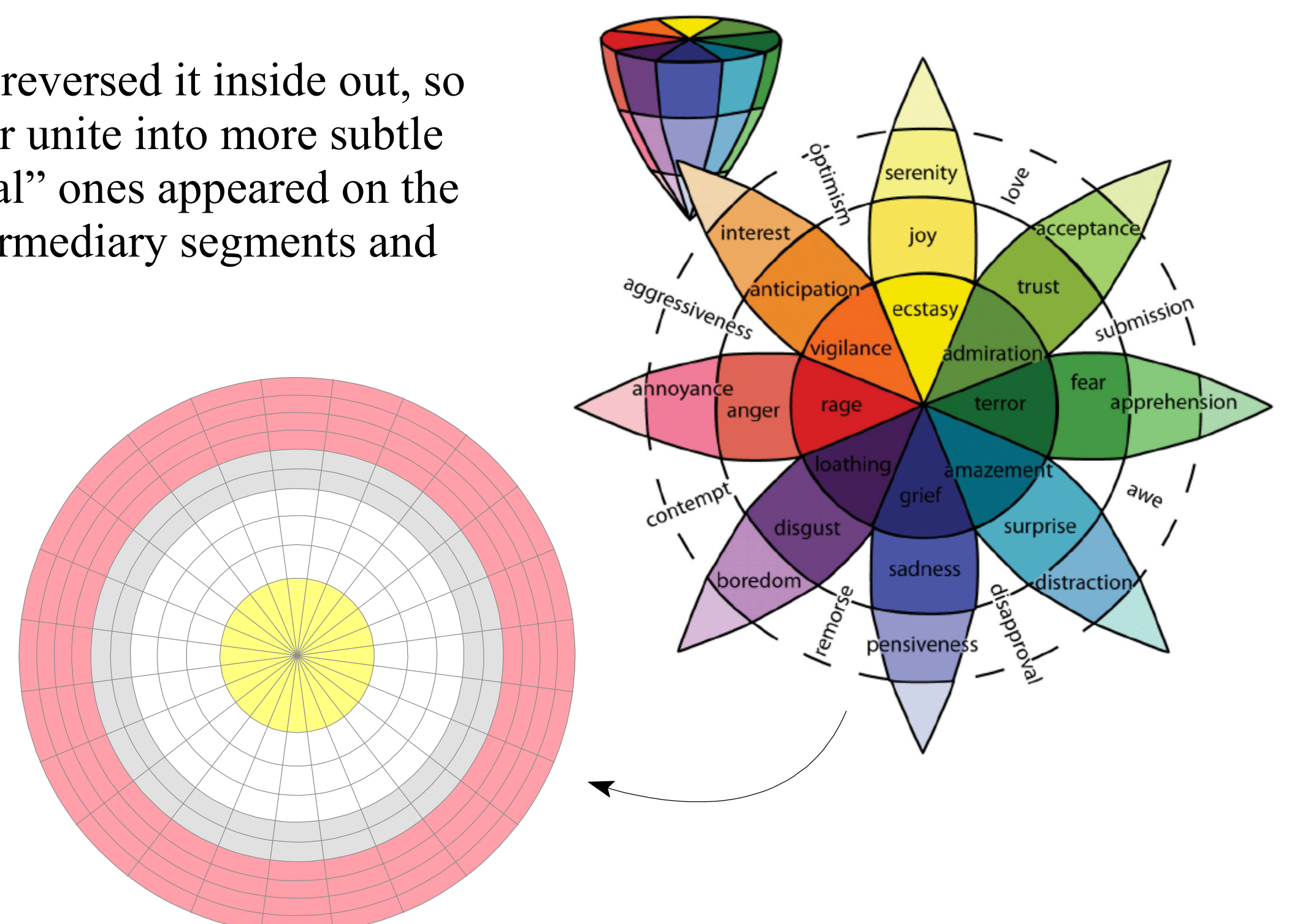
$$F_{13} = 233 \quad F_{233} = 2 \times 10^{48}$$

If one calculates all variants of allocating 240 identical objects in 240 different boxes, he obtains the number of elementary particles that fit the volume of visible Universe with almost no gaps amongst them. Extrapolating all known KNs to 256 dimensions gives $(24!)^2$, and $(24!)^6 = 240^{240 \Delta}$ - abovementioned number of ways of allocating 240 objects in 240 boxes. More coincidences come from Fibonacci numbers of higher rank: F_n , where $n = F_m$, and $m = F_g$. If $g = 6$, then $F(F(F_g)) \sim (24!)^2$. Finally, $24! = 6 \times 10^{23}$ is Avogadro's number, coinciding with number of protons and neutrons in one gramm of matter, number of molecules in one mole, number of proteins in one mammal organism, number of moles in a small planet, number of stars in visible Universe...

As a starting point, I took Robert Plutchik's Wheel of Emotions and reversed it inside out, so that all subtle qualities occurred in the center (where they can further unite into more subtle qualities and feelings, forming a "Heart of Soul"), whereas all "brutal" ones appeared on the edge (thus protecting Heart from the outer space). Then I added intermediary segments and layers according to abovementioned considerations.

The obtained wheel of emotions follows natural paths of "mood evolution" with Sun's position in the sky (hours of day and night) and Earth's position relative to Sun (months of the year)

Due to such correspondences, one can smoothly extrapolate his feelings to the most desirable states of Soul and Mind in the center of the Atlas. The latter often are too subtle for verbalisation, yet available for imagination



Balancing the Feelings

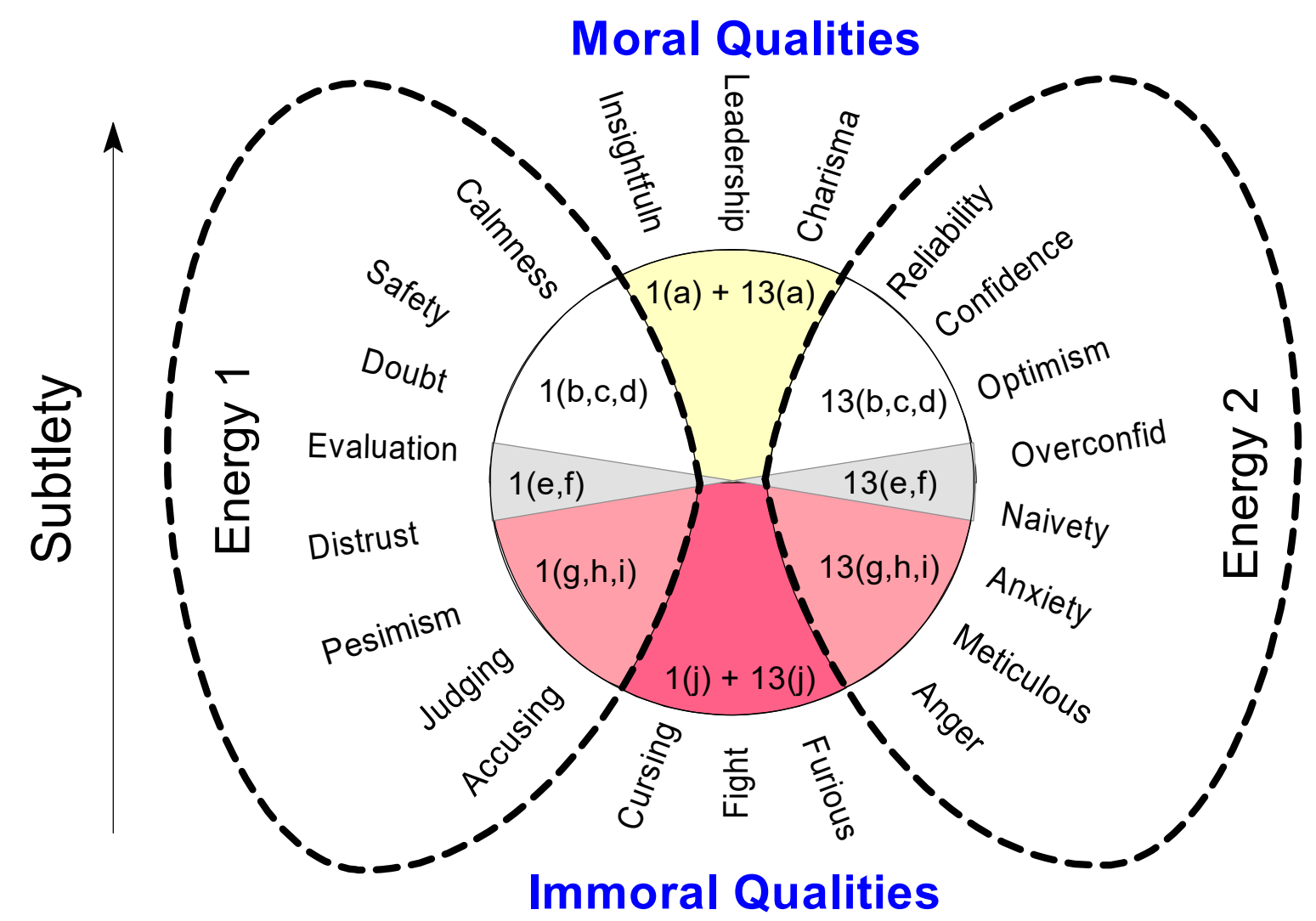
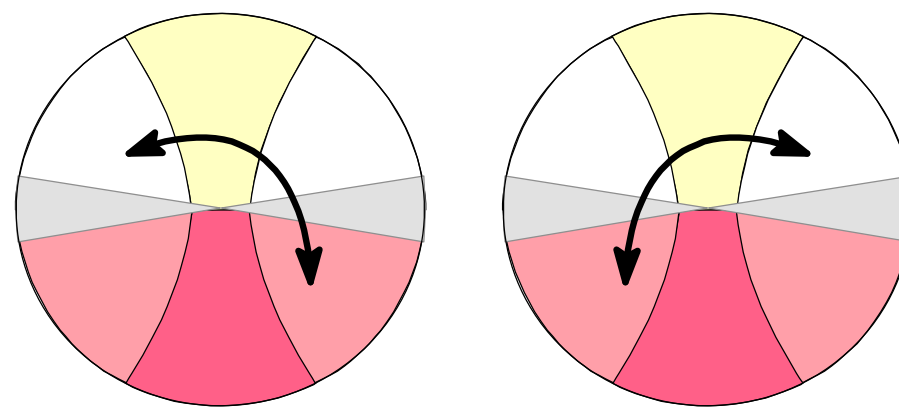
Energies from the opposite sides of the Atlas interact with each other, creating new inner states. If parent energies are subtle enough (from white and yellow cells), then they produce even more subtle feelings. But if parents are rude (red cells), then they push each other towards even bigger extremes, thus creating the "swings of hell".

These rules help forecasting the future, as development of any process is often predetermined by how it began

Thus we can see how only tiny differences between white and grey cells lead to dramatic differences between yellow and red

Similarly to painting colors, our feelings can either enhance or diminish each other. If we are subtle enough, our feelings create a beautiful painting. But we are rude, they create chaotic mess

Subtle levels of one energy "heal" rude levels of another, and vice versa



Practical Situations

Clicking any Atlas' cell marks it in blue and its "balancing opponent" (on the other side) in green

Green cell is convenient reference point for understanding how blue cell interacts various cells from the opposite segment

Blue - a cell under interest (described in text window)
 Pale - closest to the blue, altogether explain its meaning
 Attract blue to the center ("healing")
 Green - fights or unites with blue
 Push blue to the edge ("poison")

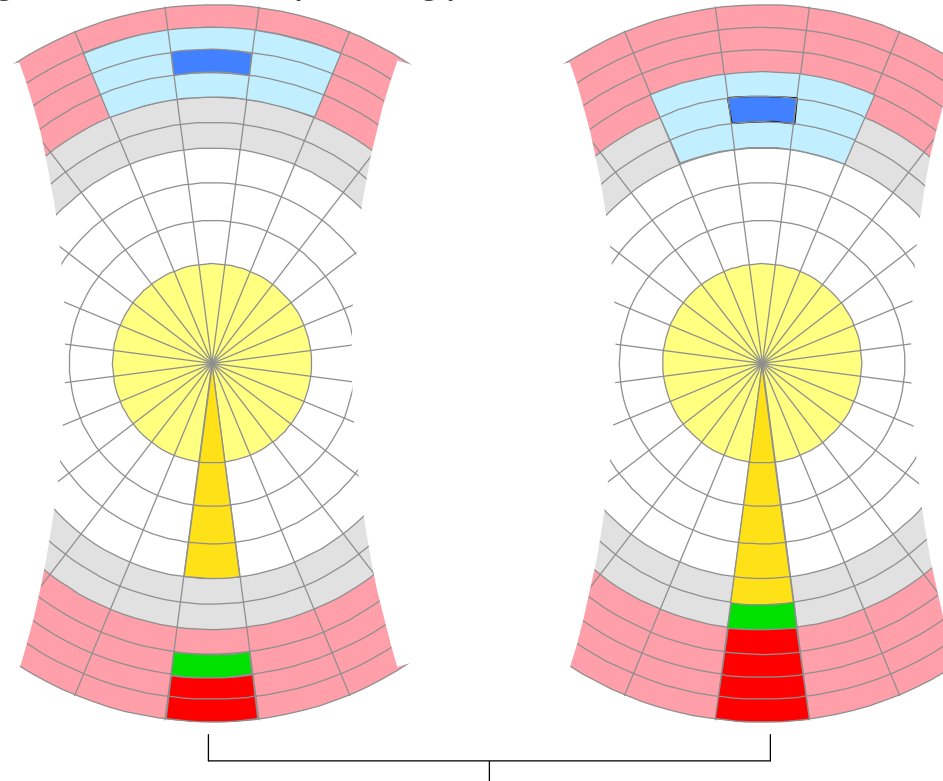
4 Types of interactions

Fight of Opposites:

Blue and Green fight

1+1=1 - green, blue, green, blue (swing)

1+1=2 - blue & green together



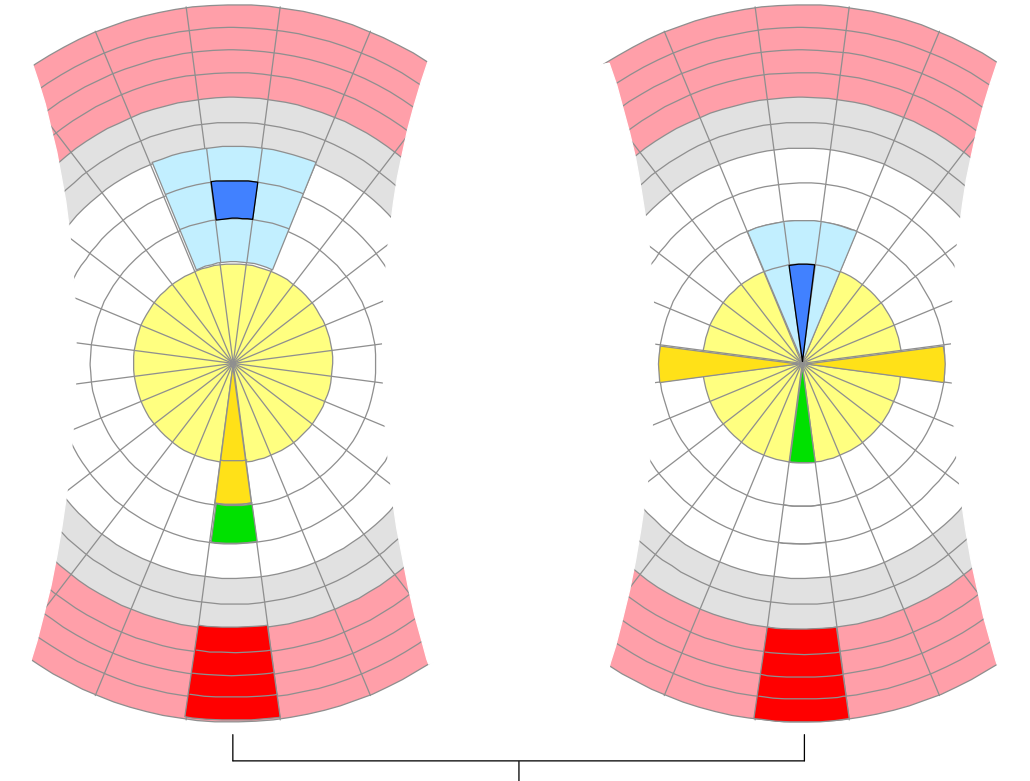
Blue protects green from the reds, but also easily joins them, thus forming a "swing"

Unity of Opposites:

Blue and Green unite

1+1=3 - a more subtle energy is born

1+1=4 - two new opposites are born



Blue controls grey and red cells, so that they appear at the right time and place

Multidimensional Case

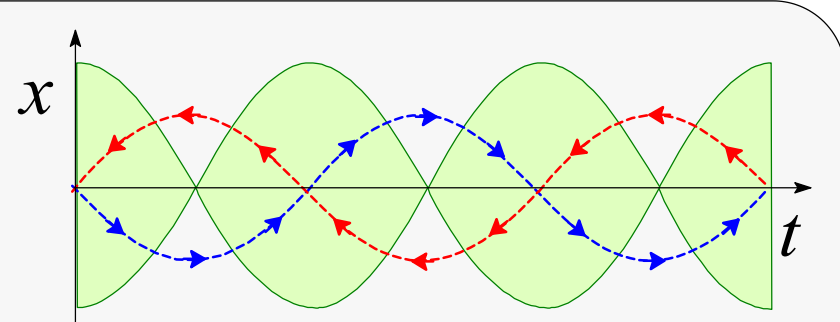
All pairs of oppositions interact simultaneously in the Atlas. This produces a new generation of more subtle oppositions, that in turn produces even more subtle oppositions. So we obtain the Moral Quality Development Scheme, outlining natural evolution of Human Soul

Such interactions are possible, as time flows in two directions, forming a standing wave that we call "reality":

d'Alembert's eq. - any standing wave is a sum of two opposite waves:

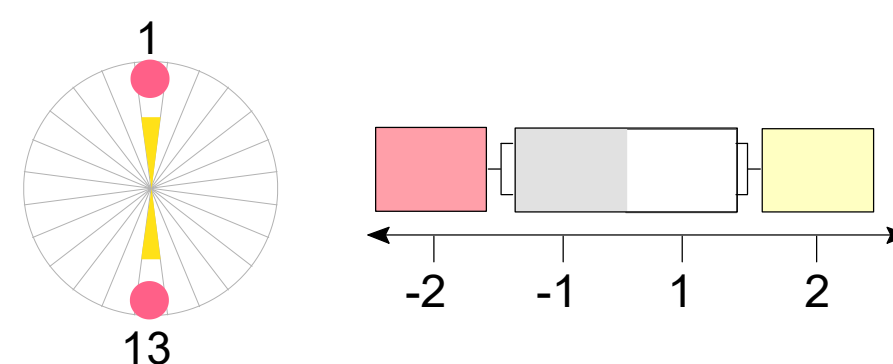
$$u(x,t) = F(x-vt) + U(x+vt)$$

Action = Reaction ← 3rd Newton's Law



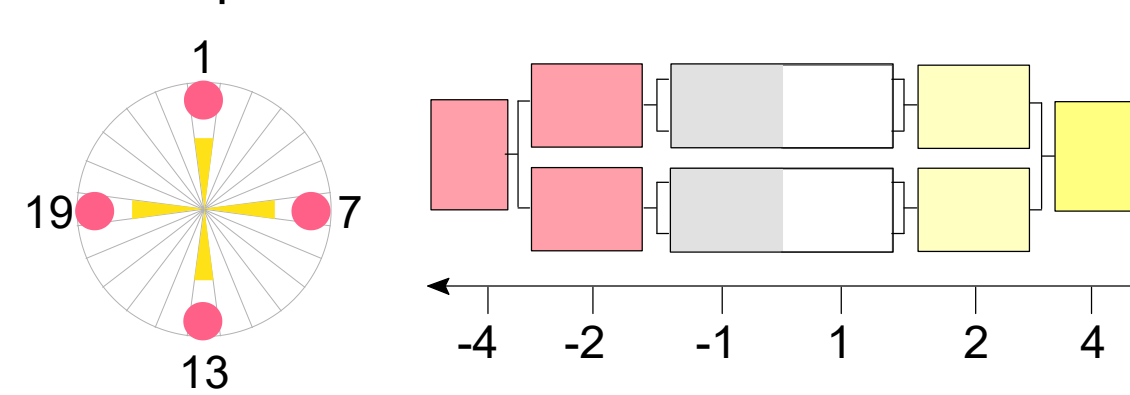
As opposite energies unite, our perception raises to higher dimensions (due to higher number of perceived feelings and information). What seems undefined in lower dimensions, may look perfectly defined in higher dimensions. What seems to us infinity, may only be an eye blink for an observed in much higher dimensions

1 First energy interacts with the one in the middle of the cycle:

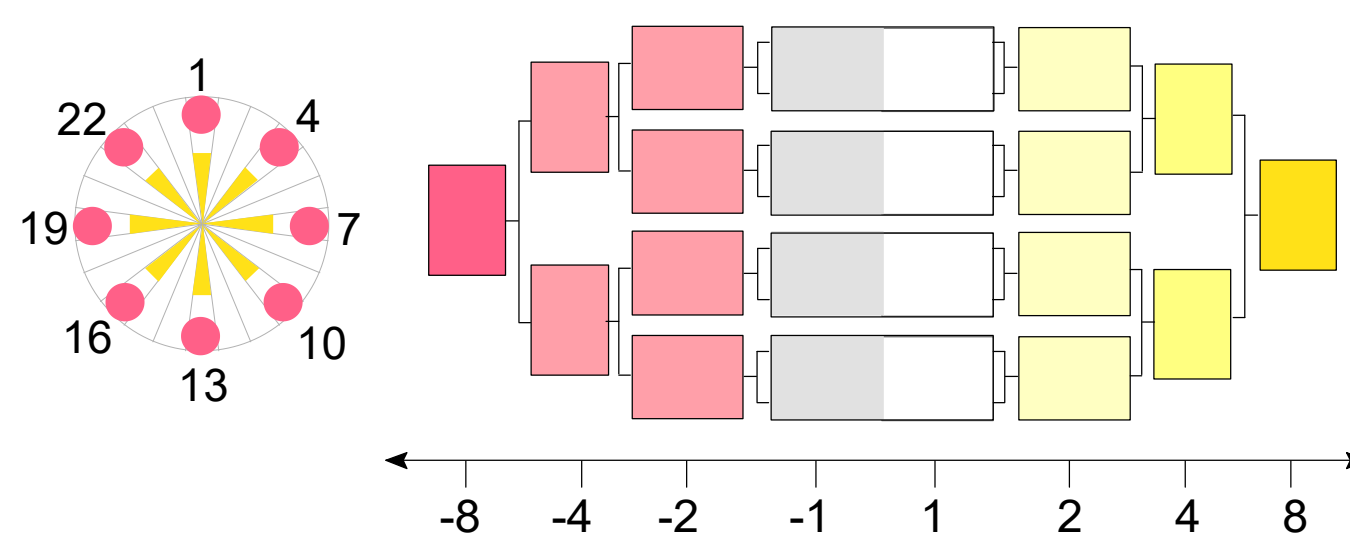


If both unite, we get 2 D perception (N = 2), if fight - swing w/ 2 extremes (N = -2)

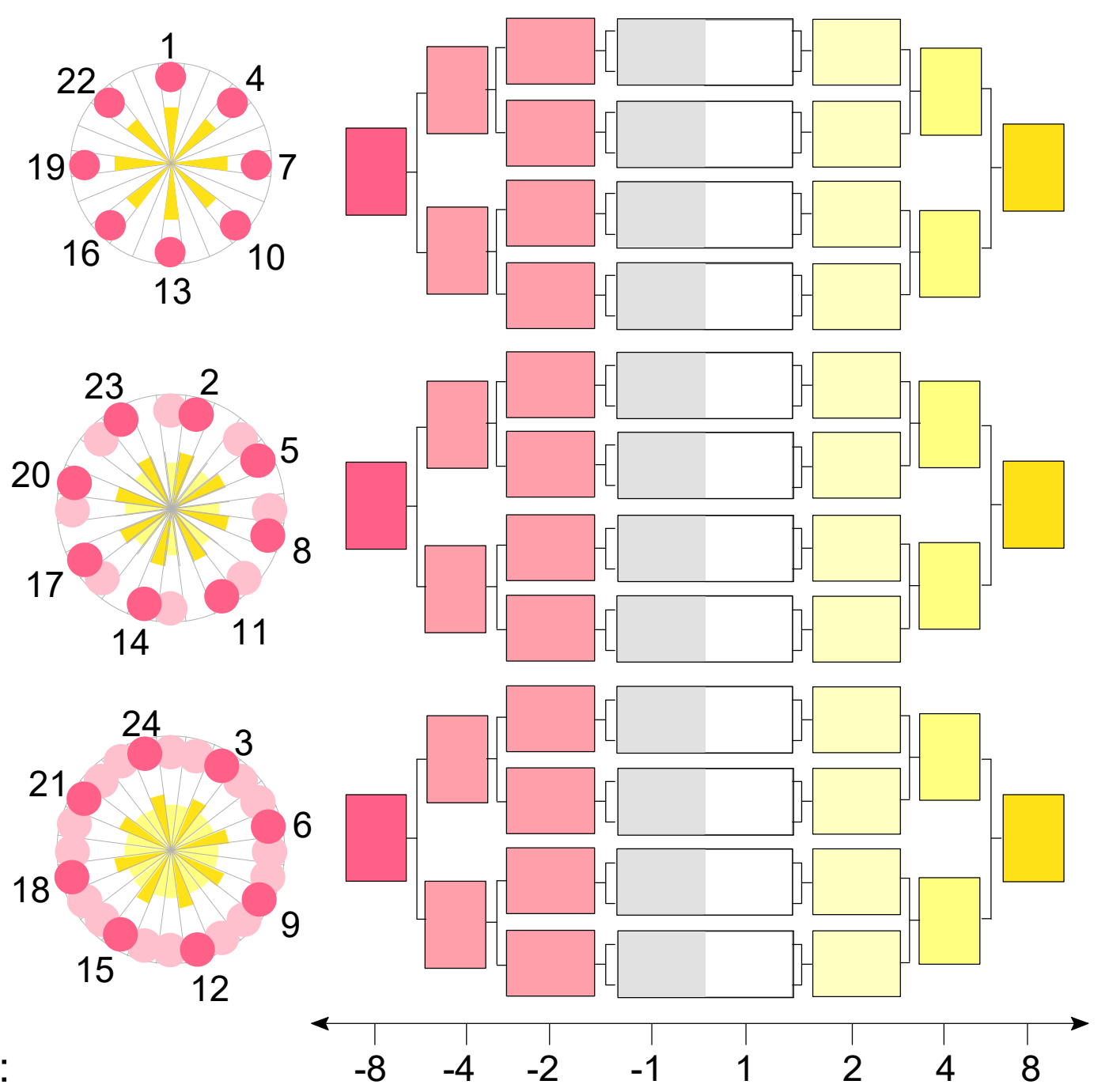
2 First pair interacts with another similar:



3 First quaternions interact with another similar:



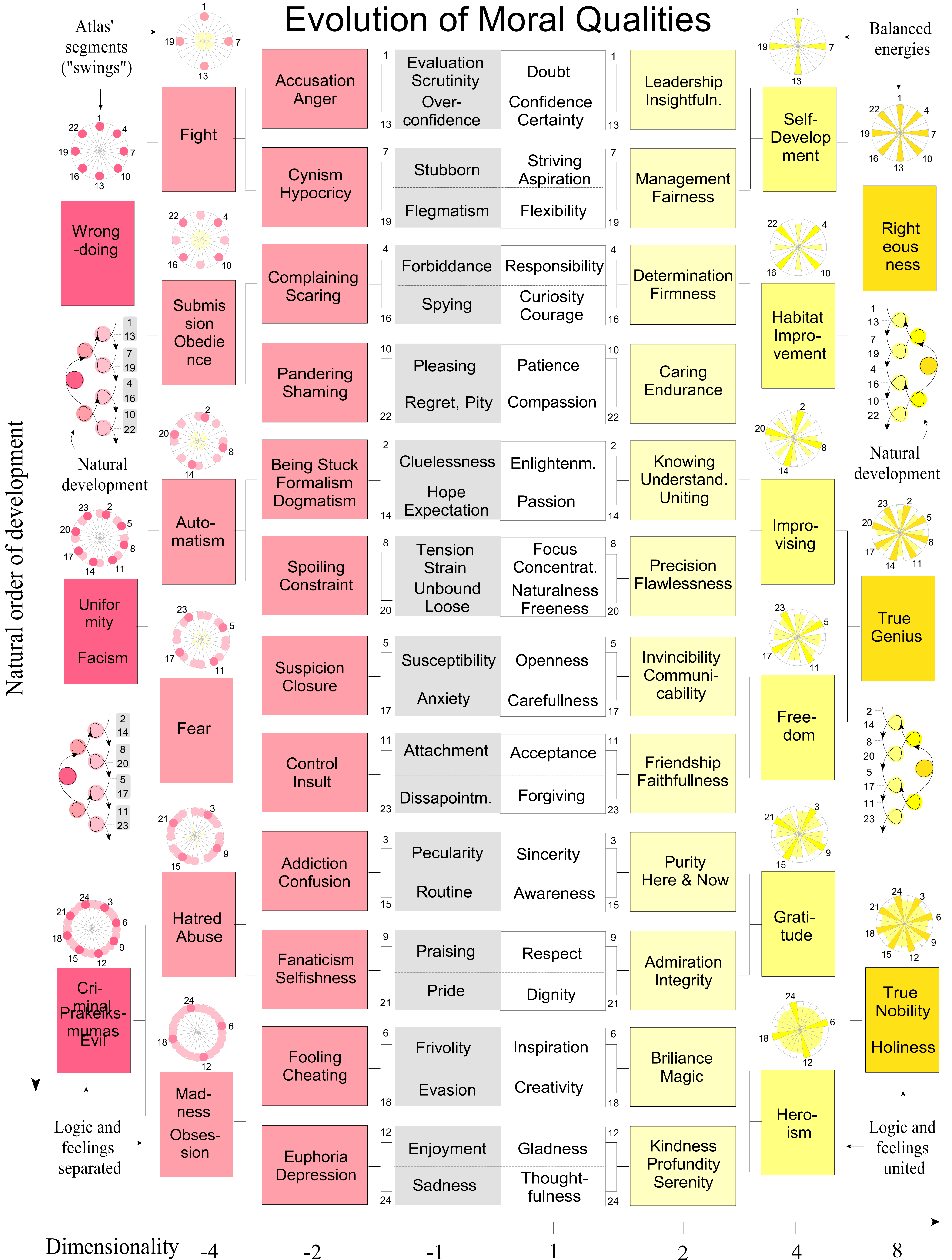
4 The obtained octonions fill out the gaps, but do not unite, as they are not orthogonal



Octonions do not unite also because of Hurwitz theorem (Compound Algebras), claiming that product of two vectors produces another vector only in dimensions N = 1, 2, 4, 8

This gives us the Moral Quality Development scheme for any natural phenomena

Evolution of Moral Qualities

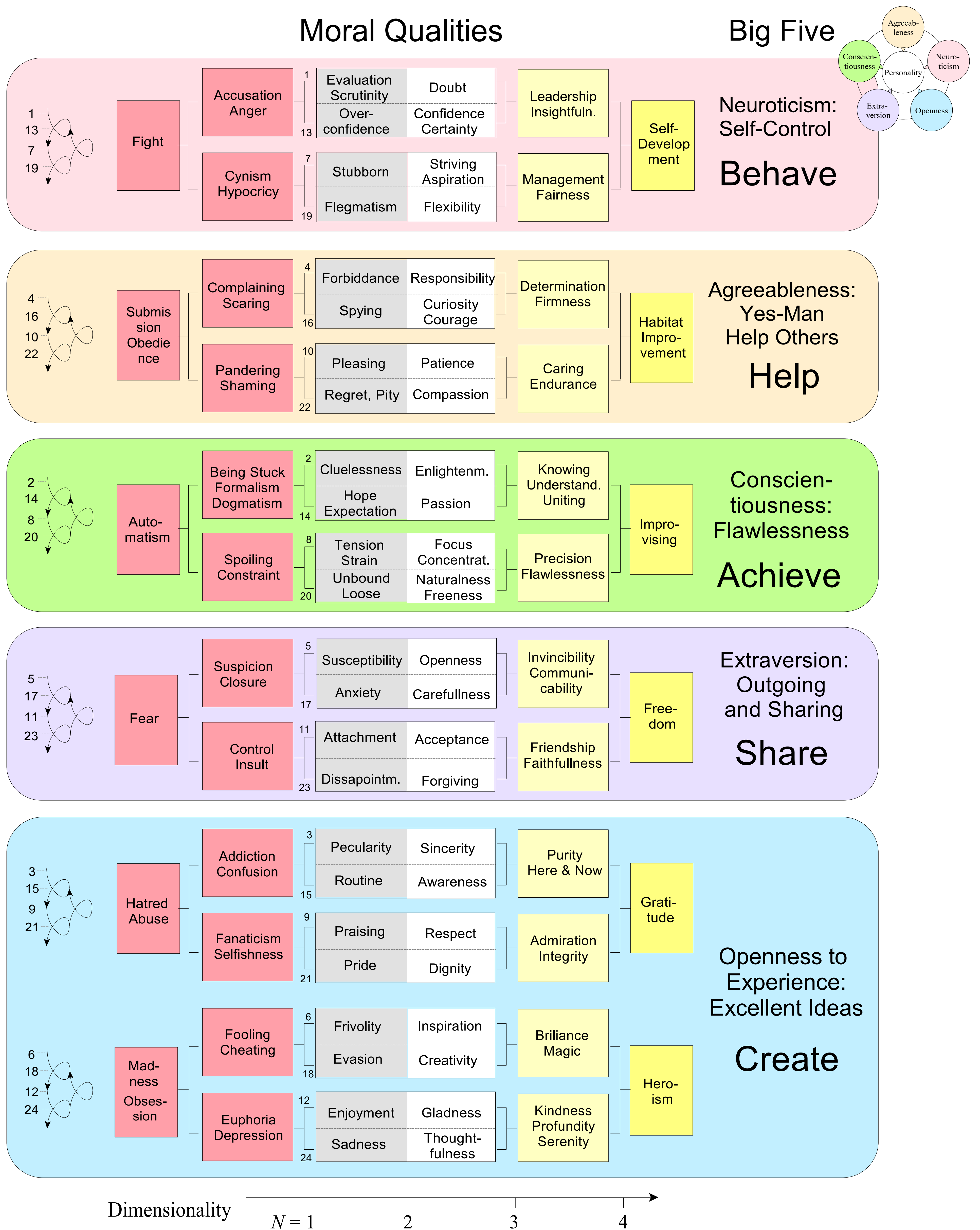


Tiny differences in the center lead to huge differences at the edges. Each moral quality has $N!$ variations (N is number of uniting feelings). 24 Atlas' segments give 2^{24} combinations with $24! \approx 10^{24}$ variations

This order can be found everywhere in nature - from filling electron orbitals in atoms to Galaxy formation in the Universe (see posters on Periodic Table of Elements and Moral Quality Distribution in cell, human body, human society and throughout the Universe)

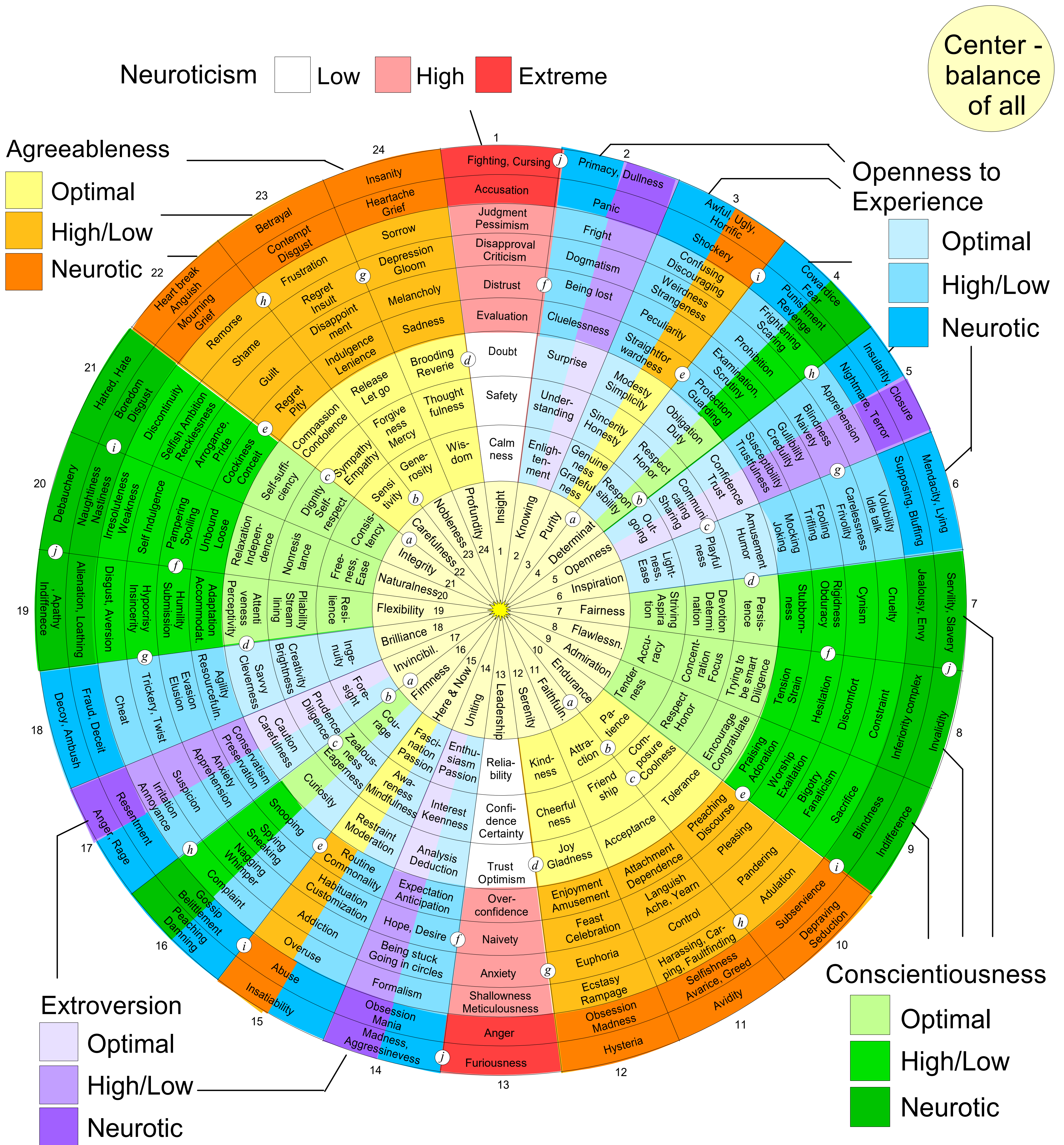
Natural Order of Development

Natural Order of Development



This order can be found everywhere in nature - from filling electron orbitals to Universe formation. Following this order, one should first learn to behave (manage his Neuroticism); then cooperate with others (Agreeable); then become dependable (Conscientious); share with others (Extrovert); and finally be grateful and "heroic" (Open to Experience)

Atlas vs. Big Five - Direct Comparison

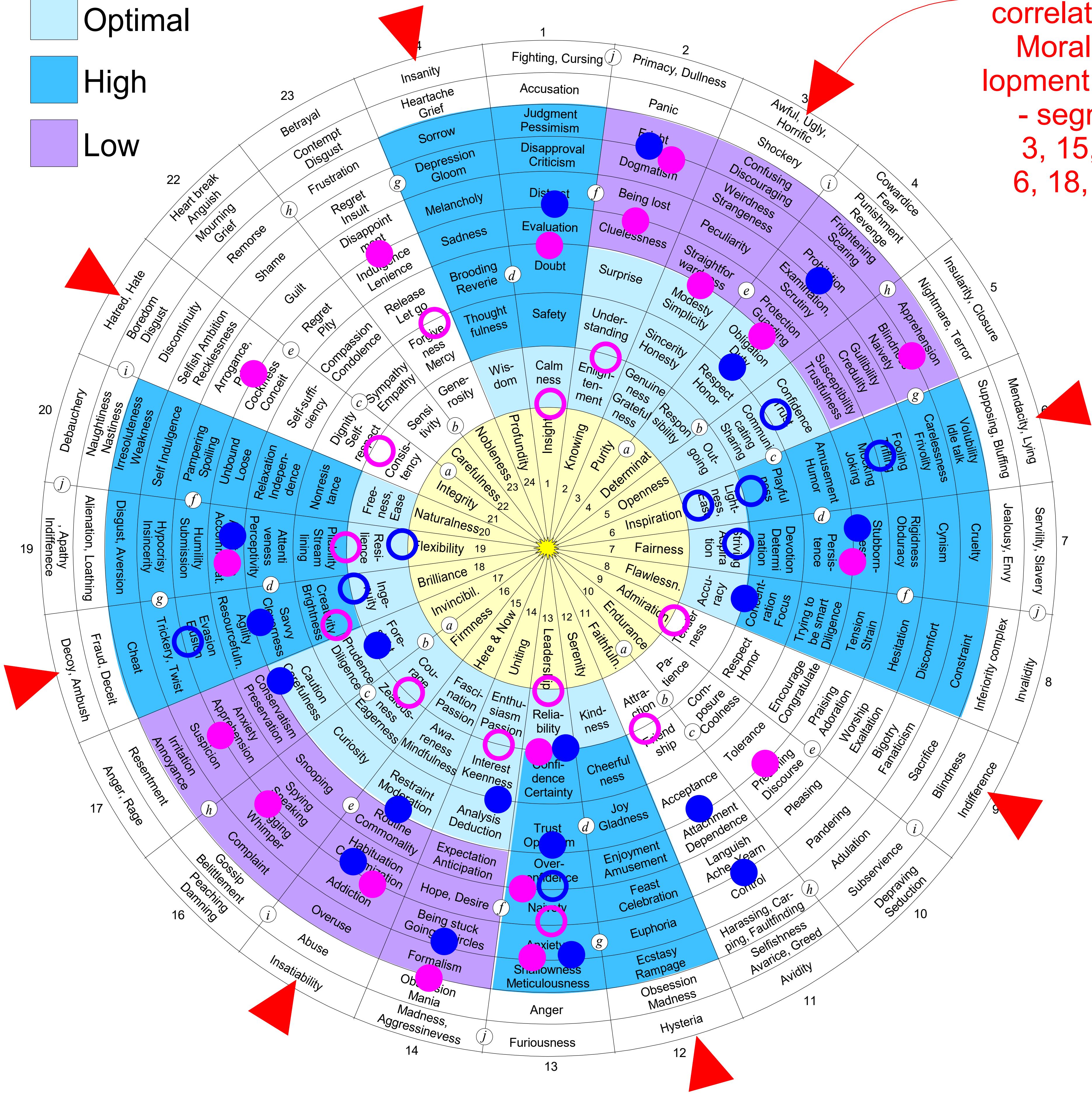


Results vary depending on comparison method (see the following pages)

Openness to Experience

- Optimal
- High
- Low

According to correlation with Moral Development scheme - segments: 3, 15, 9, 21, 6, 18, 12, 24



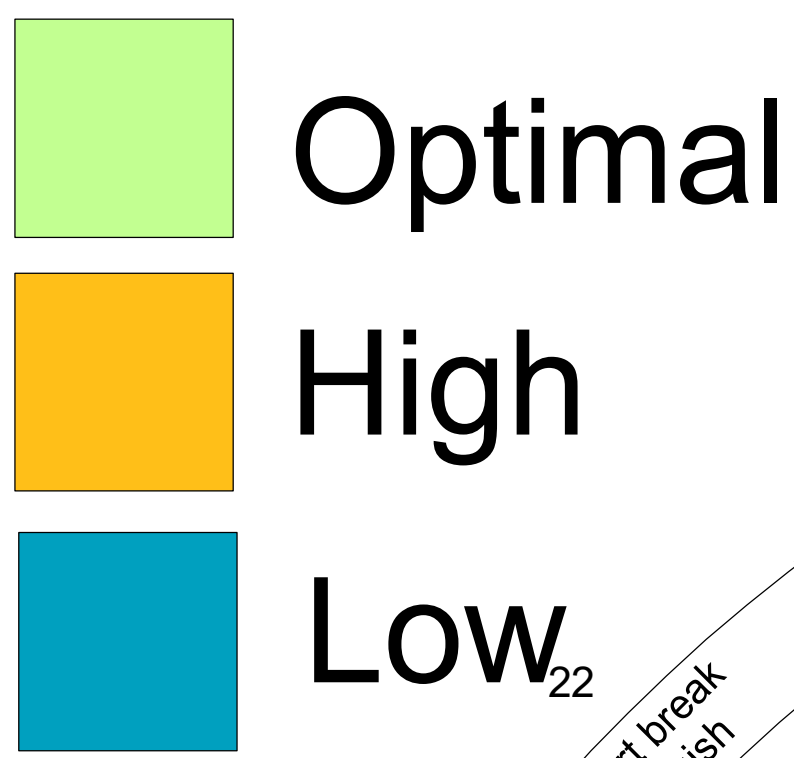
Should be closer to the center, as compared to other traits, as it is last in a natural order of development

- I have excellent ideas.
- I am quick to understand things.
- I use difficult words.
- I am full of ideas.
- I am not interested in abstractions. (reversed)
- I do not have a good imagination. (reversed)
- I have difficulty understanding abstract ideas. (reversed)

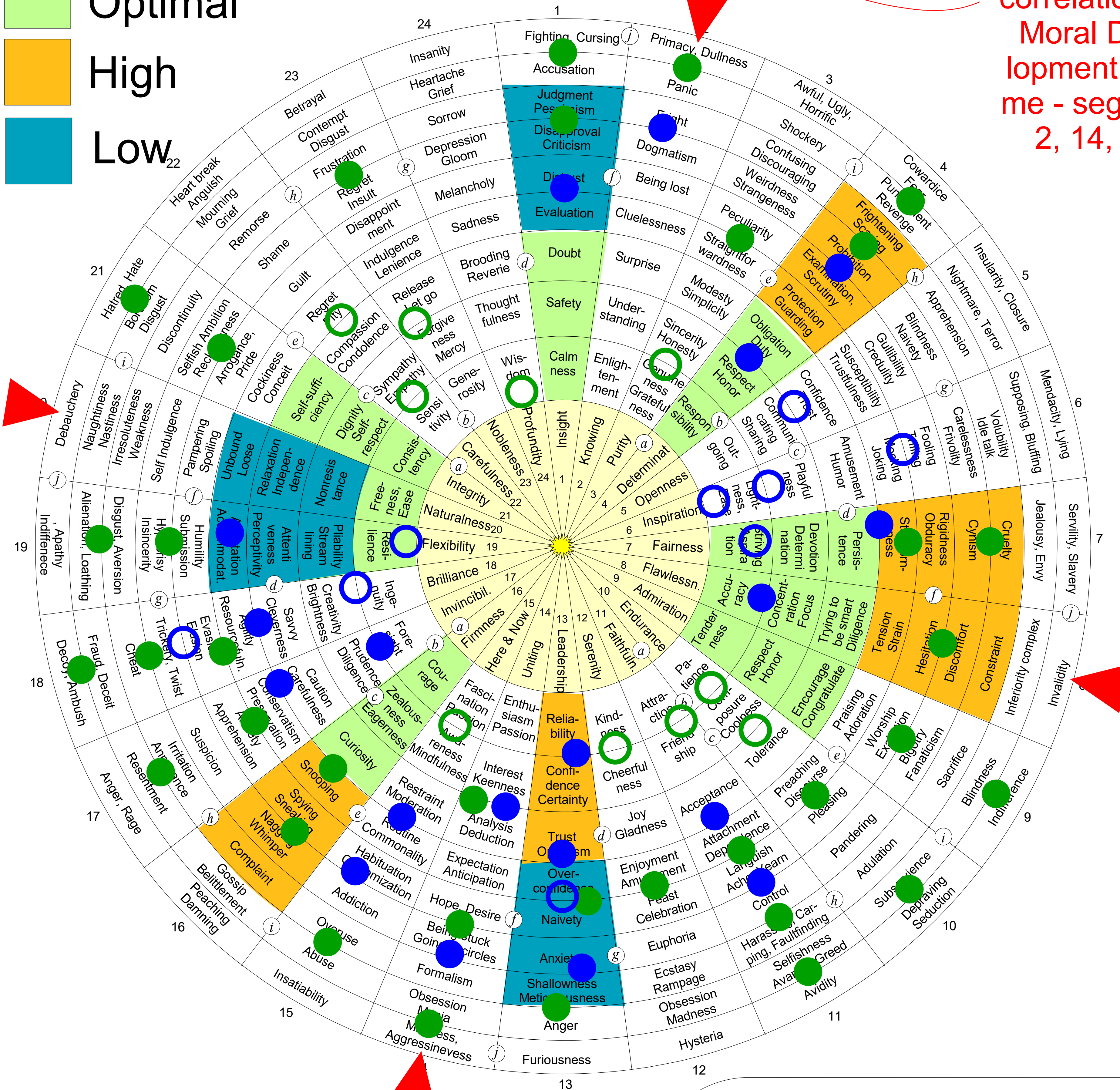
Myers Briggs:

- **S - Sensing:**
Down to Earth, Seeing is believing, concrete facts & details, practical applications, literal understanding
- **J - Judging:**
Prefer to have matters settled, respect rules & deadlines, follow detailed instructions, make plans, want to know what you are getting into
- **N - Intuition:**
Imagine possibilities, big picture, inter-dependence, figurative, poetic understanding
- **P - Perceiving:**
Prefer to leave options open, see rules & deadlines as flexible, improvise & make things up as you go, spontaneous, enjoy surprises & new situations

Conscientiousness



According to correlation with Moral Development scheme - segments: 2, 14, 8, 20



I always am prepared.
I pay attention to details.
I get chores done right away.
I like order.
I follow a schedule.
I am exacting in my work.
I leave my belongings around. (reversed)
I make a mess of things. (reversed)
I often forget to put things back in their proper place. (reversed)
I shirk my duties. (reversed)[40]

Myers Briggs:

T - Thinking:
Logical reasoning, fairness, deep analysis, look for flaws in an argument

F - Feeling:
How you affect others, harmony, forgiveness, please others, point out the best sides, warm, empathetic

J - Judging:
Prefer to have matters settled, respect rules & deadlines, follow detailed instructions, make plans, want to know what you are getting into

P - Perceiving:
Prefer to leave options open, see rules & deadlines as flexible, improvise & make things up as you go, spontaneous, enjoy surprises & new situations

Conscientiousness

Conscientiousness

Competence Self-efficacy complete tasks successfully/misjudge situations

Order Orderliness like order/leave a mess

Dutifulness Dutifulness follow the rules/break rules

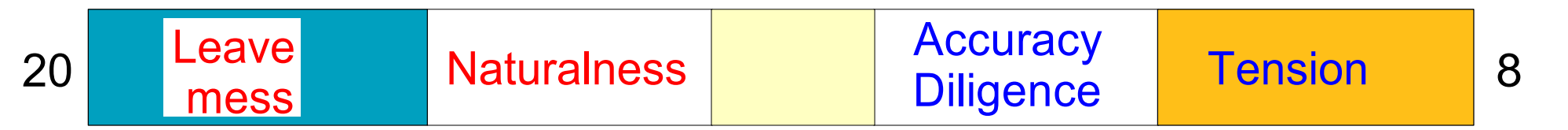
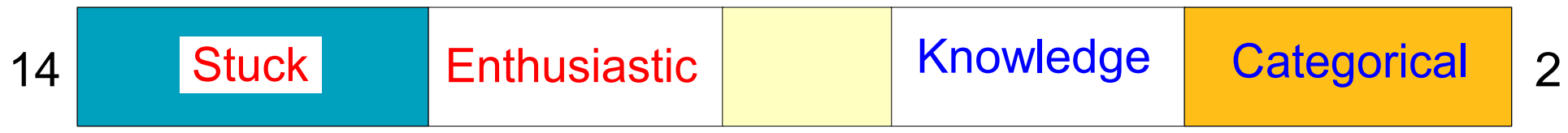
Achievement-striving Achievement-striving work hard/do just enough to get by

Self-discipline Self-discipline get chores done right away/waste my time

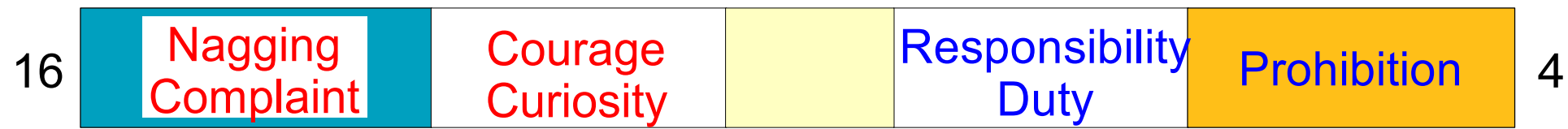
Deliberation Cautiousness avoid mistakes/rush into things

Competence Self-efficacy - complete tasks successfully/misjudge situations

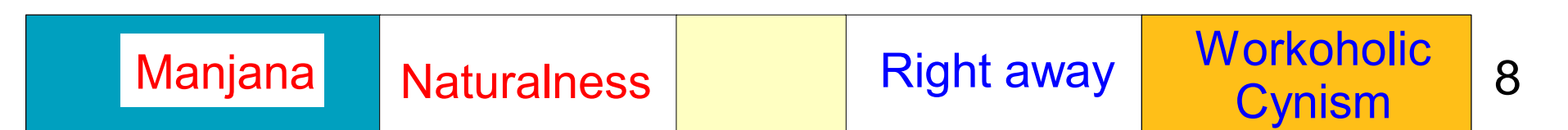
Orderliness like order/leave a mess



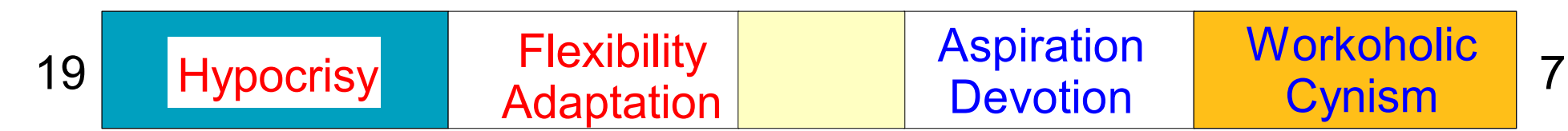
Dutifulness follow the rules/break rules



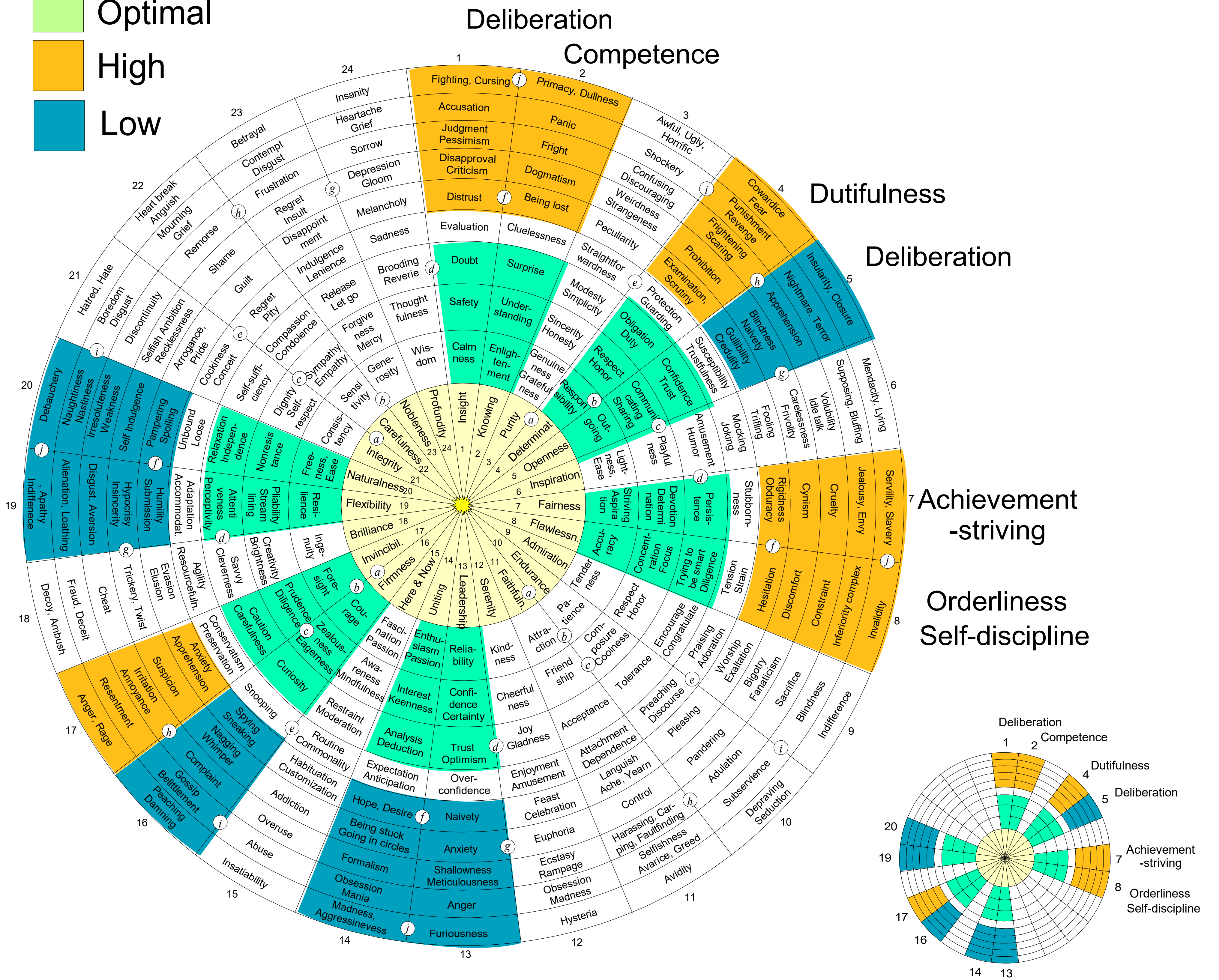
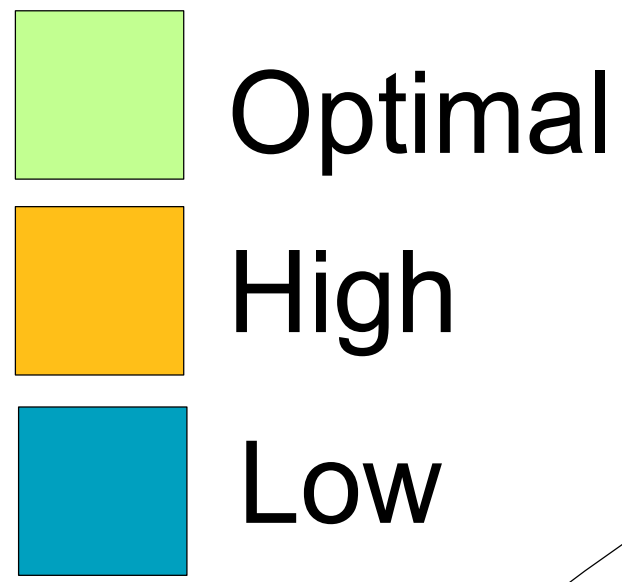
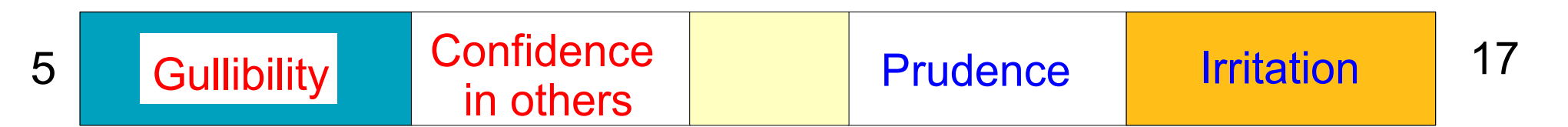
Self-discipline get chores done right away/waste my time



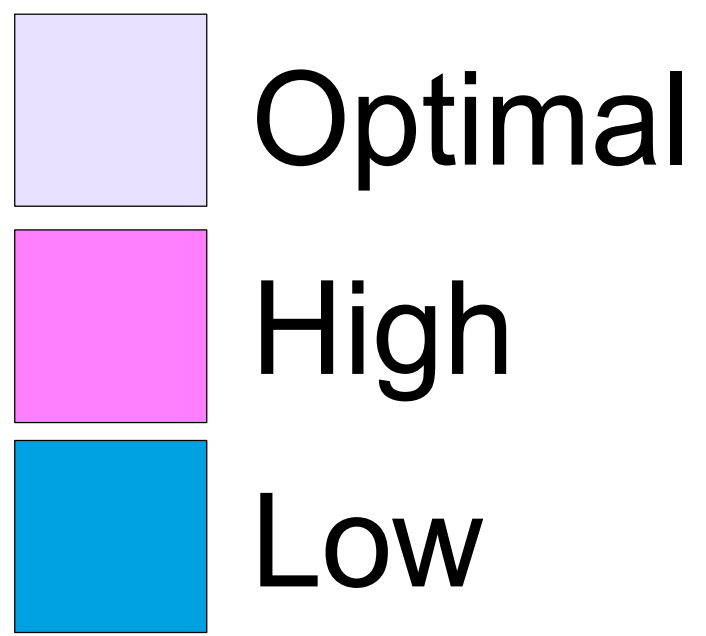
Achievement-striving work hard/do just enough to get by



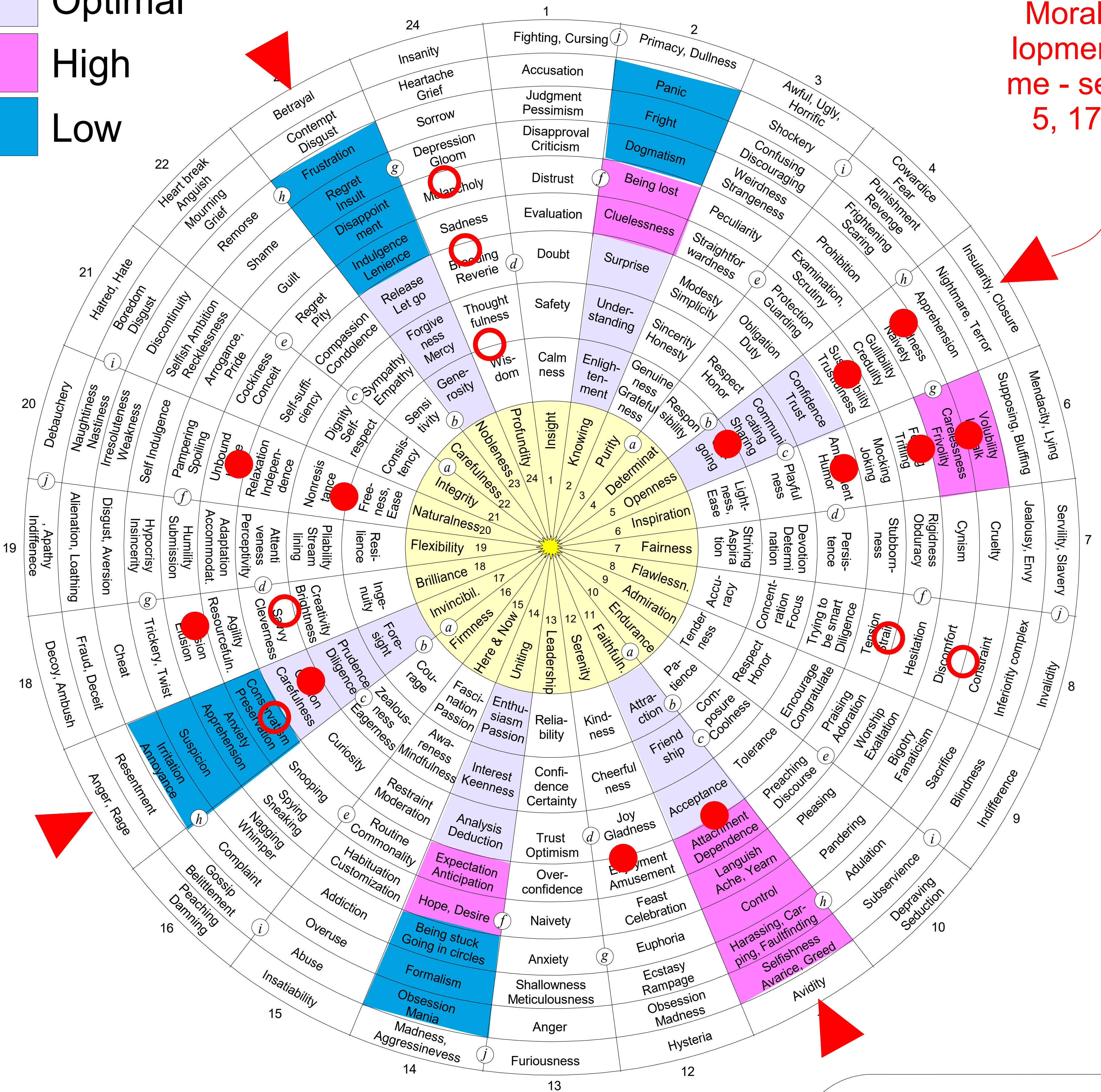
Deliberation Cautiousness avoid mistakes/rush into things



Extroversion



According to correlation with Moral Development scheme - segments: 5, 17, 11, 23



5(a) Openness is closer to the Openness to Experience rather than Extroversion

- I am the life of the party.
- I don't mind being the center of attention.
- I feel comfortable around people.
- I start conversations.
- I talk to a lot of different people at parties.
- I don't talk a lot. (reversed)
- I think a lot before I speak or act. (reversed)
- I don't like to draw attention to myself. (reversed)
- I am quiet around strangers. (reversed)[40]
- I have no intention of talking in large crowds. (reversed)

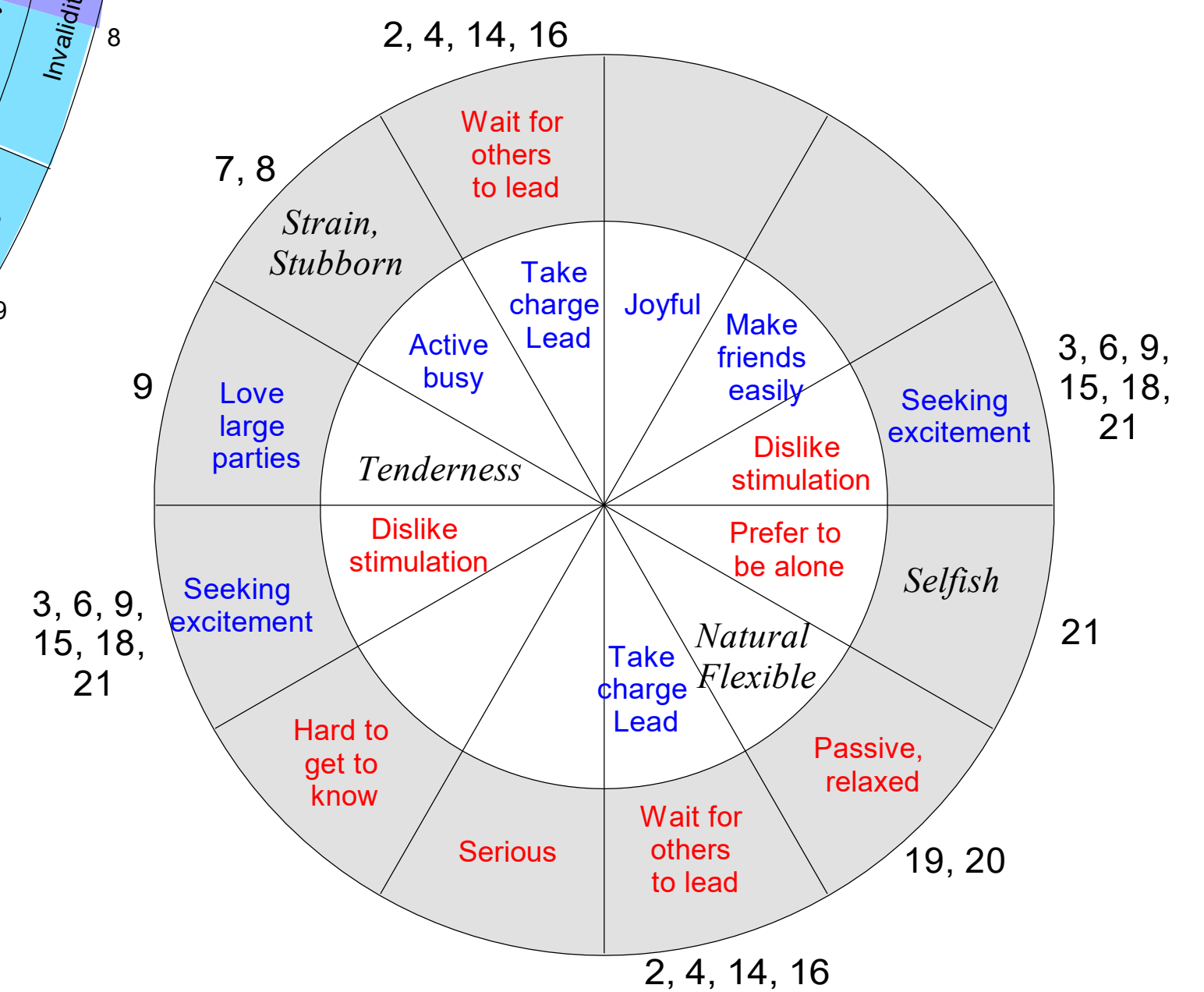
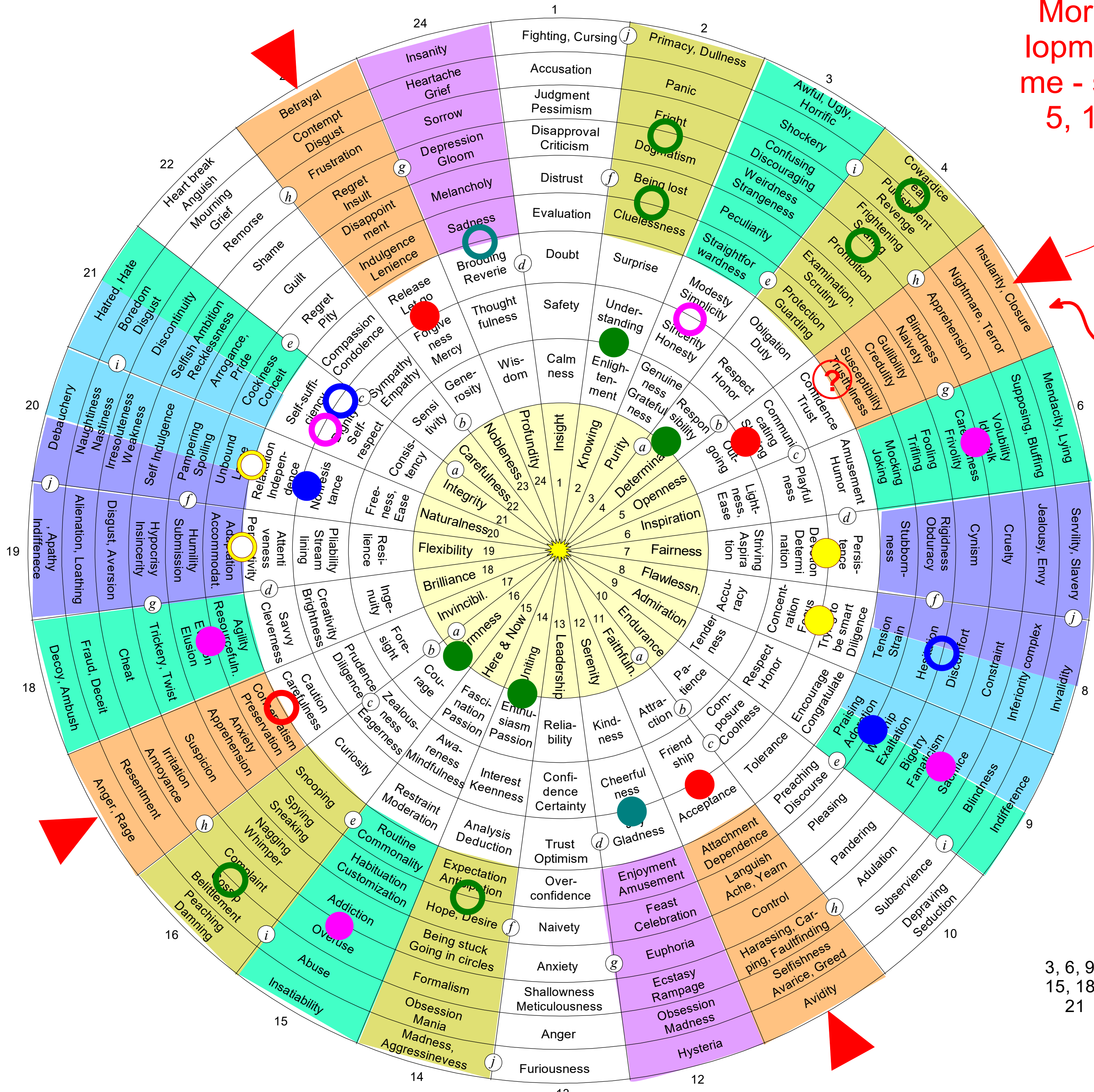
Myers Briggs:

- **E - Extroversion:**
Talkative, outgoing, think out loud (not shy nor ashamed)
- **I - Introversion:**
Reserved, private, observe, contemplate, think through

Extroversion

According to correlation with Moral Development scheme - segments: 5, 17, 11, 23

Reservation, shyness?



Six Facets:

Warmth Friendliness - make friends easily/am hard to get to know

17	Conservative Preserved	Foreseeing	Open, make friends easily	Gullible	5
23	Disappointment	Forgiving	Acceptance, Friendship	Selfish	11

Gregariousness - love large parties/prefer to be alone

21	Selfish	Self-sufficient	Tenderness	Adoration, Exaltation	9
20	Nastiness	Relaxation	Focus	Strain, Hesitation	8

Assertiveness - take charge/wait for others to lead the way

16	Complaint Gossip	Courage	Determination	Prohibition Scaring	4
14	Hope	Enthusiasm	Understand	Being lost	2

Activity level - am always busy/like to take it easy

20	take it easy	Ease Naturalness	Focus	Strain, Hesitation	8
19	Adaptation	Flexibility	Persistence	Stubborn	7

Excitement-seeking - seeking excitement/dislike loud music

15	Addiction	Restraint	Modesty	Weirdness	3
18	Trickery	Creative	Playful	Talkative	6
21	Arrogance	Dignity	Admiration	Worship	9

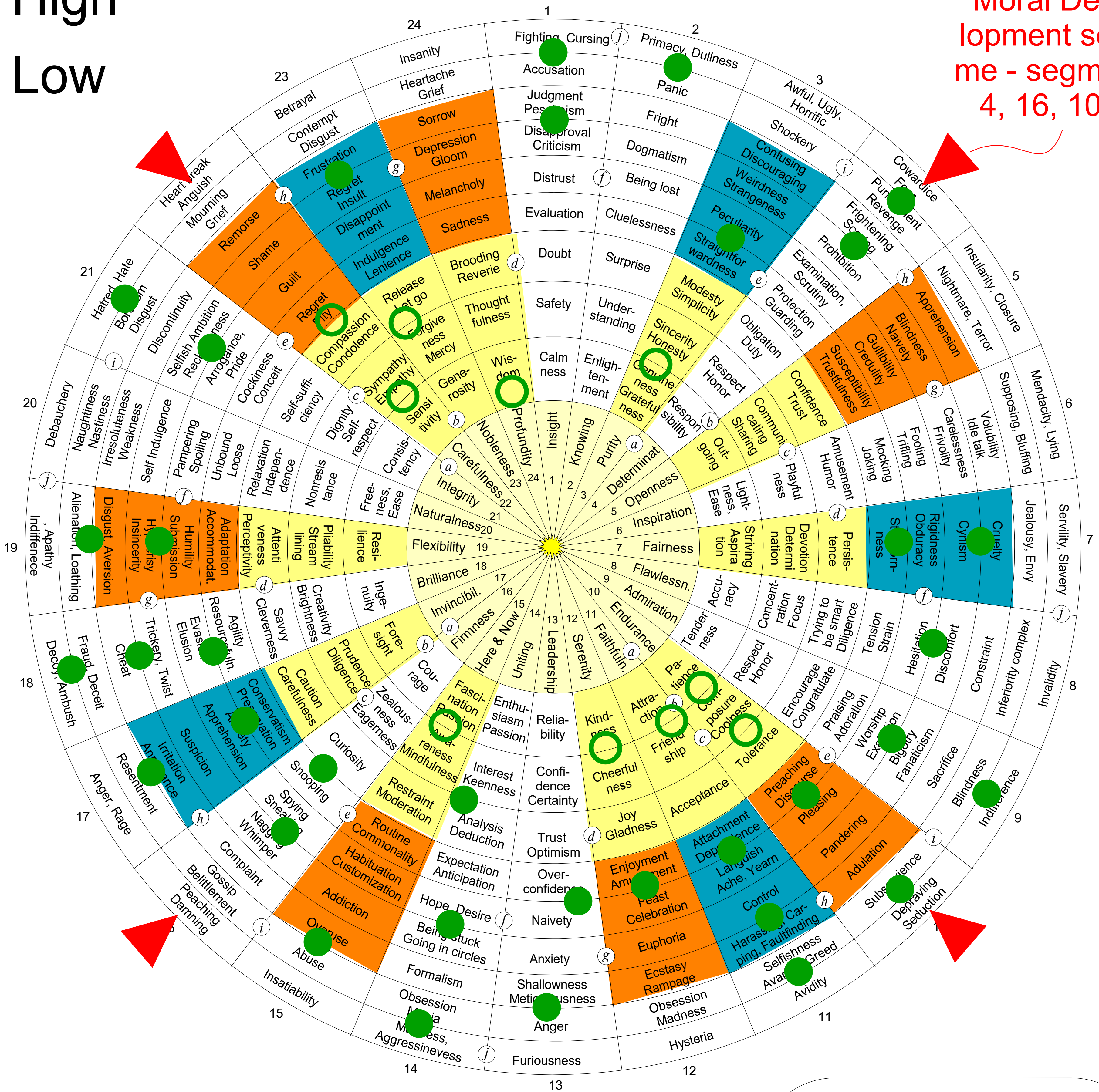
Positive Emotions Cheerfulness - radiate joy/am seldom amused

24	Sad	Thoughtful	Joyful	Euphoric	12
	Serious				



Agreeableness

According to correlation with Moral Development scheme - segments: 4, 16, 10, 22



- I am interested in people.
- I sympathize with others' feelings.
- I have a soft heart.
- I take time out for others.
- I feel others' emotions.
- I make people feel at ease.
- I am not really interested in others. (reversed)
- I insult people. (reversed)
- I am not interested in other people's problems. (reversed)
- I feel little concern for others. (reversed)

Myers Briggs:

- **T - Thinking:**
Logical reasoning, fairness, deep analysis, look for flaws in an argument
- **F - Feeling:**
How you affect others, harmony, forgiveness, please others, point out the best sides, warm, empathetic

Neuroticism

I get irritated easily.

I get stressed out easily.

I get upset easily.

I have frequent mood swings.

I worry about things.

I am much more anxious than most people.[56]

I am relaxed most of the time. (reversed)

I seldom feel blue. (reversed)[40]

Facets of the Big Five

Conscientiousness

Competence Self-efficacy complete tasks successfully/misjudge situations

Order Orderliness like order/leave a mess

Dutifulness Dutifulness follow the rules/break rules

Achievement-striving Achievement-striving work hard/do just enough to get by

Self-discipline Self-discipline get chores done right away/waste my time

Deliberation Cautiousness avoid mistakes/rush into things

Neuroticism (Emotional Stability)

Anxiety Anxiety worry about things/relaxed most of the time

Hostility Anger get angry easily/rarely get irritated

Depression Depression often feel blue/feel comfortable with myself

Self-consciousness Self-consciousness am easily intimidated/am not embarrassed easily

Impulsiveness Immoderation often eat too much/easily resist temptations

Vulnerability Vulnerability panic easily/remain calm under pressure

Extraversion

Warmth Friendliness make friends easily/am hard to get to know

Gregariousness Gregariousness love large parties/prefer to be alone

Assertiveness Assertiveness take charge/wait for others to lead the way

Activity Activity level am always busy/like to take it easy

Excitement-seeking Excitement-seeking love excitement/dislike loud music

Positive Emotions Cheerfulness radiate joy/am seldom amused

Agreeableness

Trust Trust trust others/distrust people

Compliance Morality would never cheat on taxes/use flattery to get ahead

Altruism Altruism make people feel welcome/look down on others

Straightforwardness Cooperation am easy to satisfy/have a sharp tongue

Modesty Modesty dislike being center of attention/think highly of myself

Tender-mindedness Sympathy sympathize with the homeless/believe in eye for eye

Openness

Fantasy Imagination have a vivid imagination/seldom daydream

Aesthetics Artistic Interests believe in the importance of art/do not like poetry

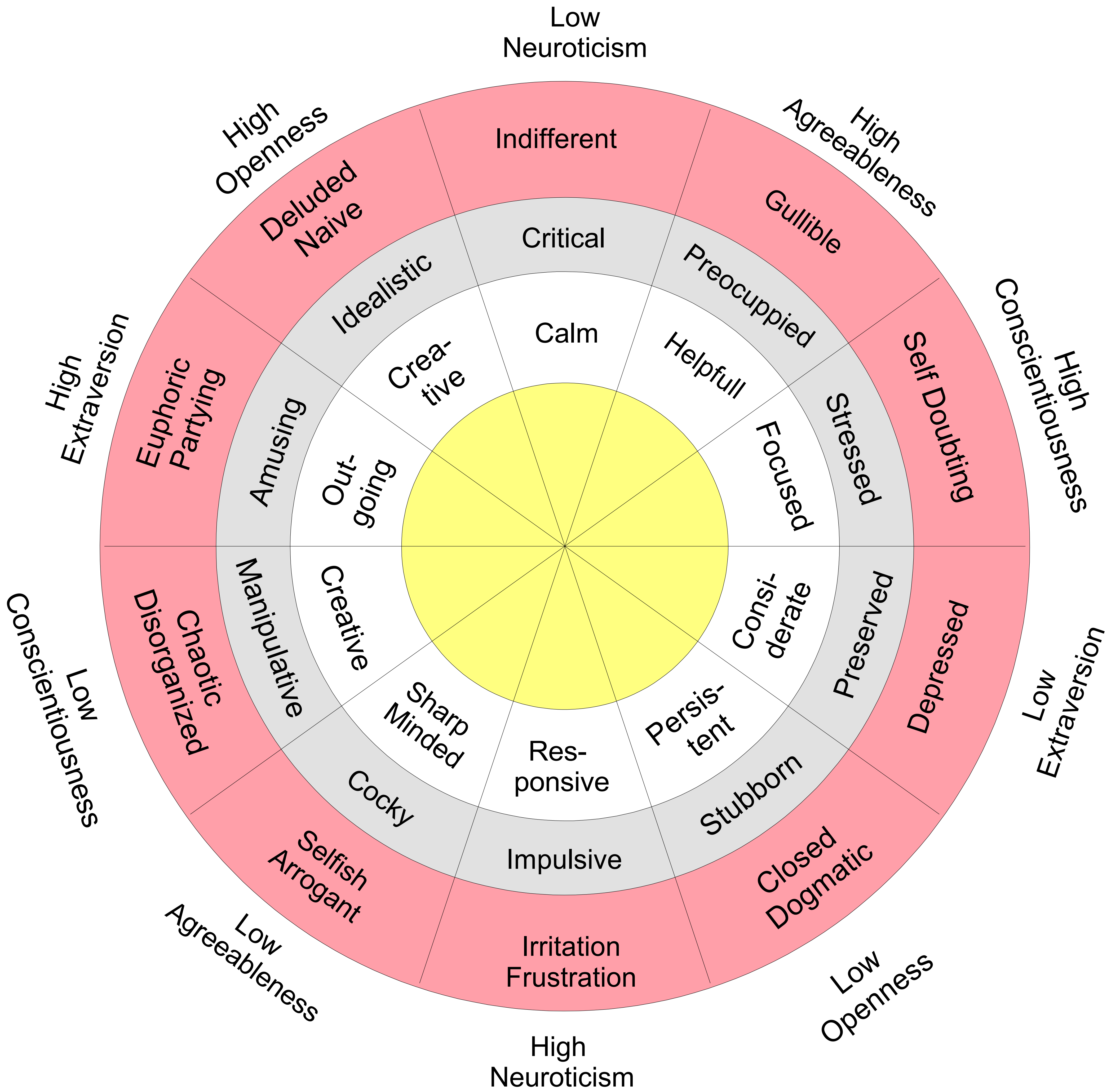
Feelings Emotionality experience emotions intensely/seldom get emotional

Actions Adventurousness prefer variety to routine/dislike changes

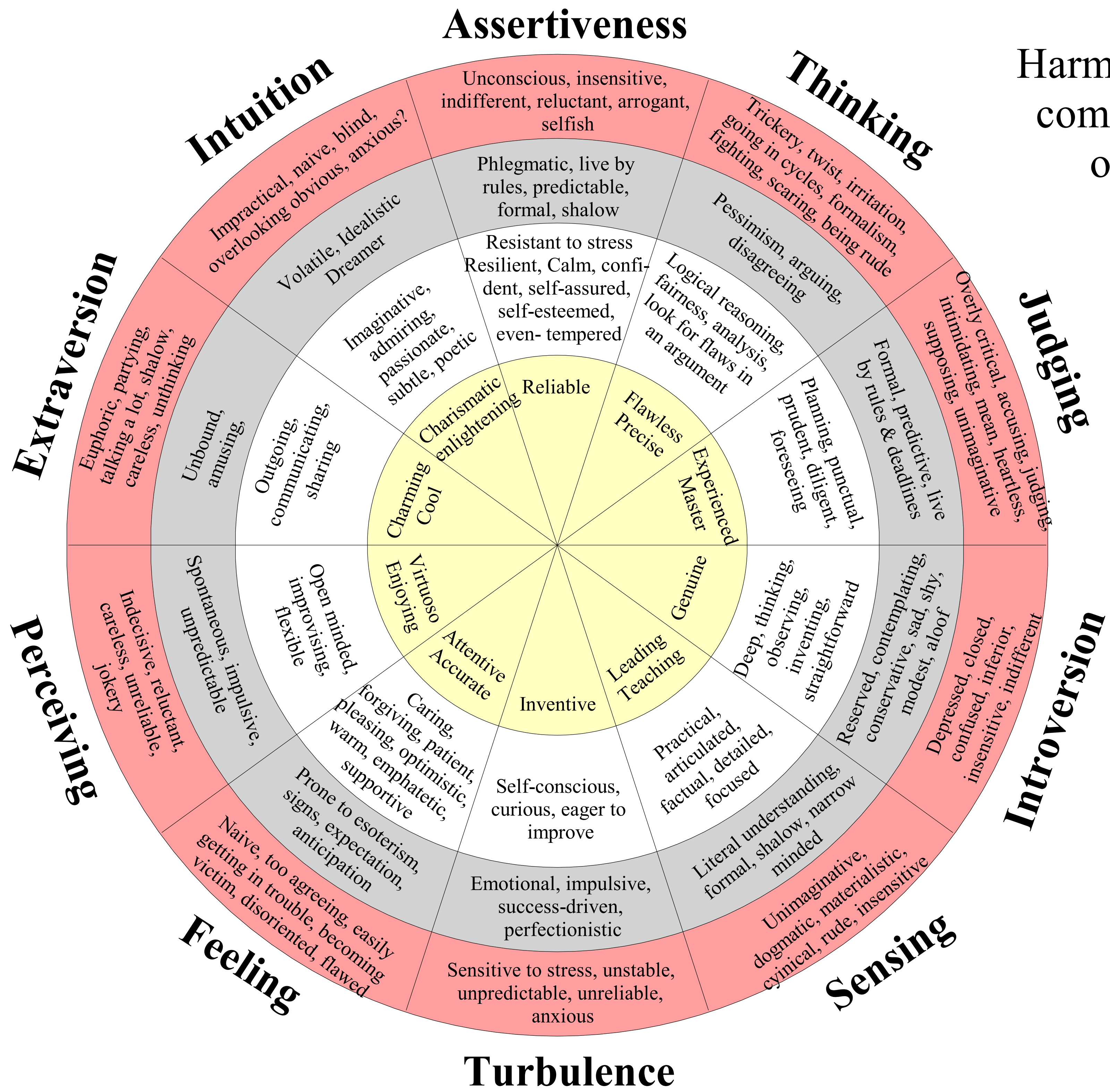
Ideas Intellect like complex problems/avoid philosophical discussions

Values Liberalism tend to vote for liberals/believe in one true religion

Big Five and Unity of Opposites



Example of MBTI Analysis



Harmonic person combines ALL opposites

Assertiveness			Turbulence			
Unconscious, insensitive, indifferent, reluctant, arrogant, selfish	Phlegmatic, live by rules, predictable, formal, shallow	Calm, confident, self-assured, self-esteemed, even-tempered, resistant to stress	Inventive, reliable, problem solver?	Self-conscious, curious, eager to improve	Sensitive to stress, emotional, impulsive, success-driven, perfectionistic	Unstable, unpredictable, unreliable, anxious
Thinking			Feeling			
Trickery, twist, irritation, going in cycles, formalism, fighting, scaring, being rude	Pessimism, arguing, disagreeing	Logical reasoning, fairness, deep analysis, look for flaws in an argument	Precise, flawless, always on top	Caring, forgiving, patient, pleasing, optimistic, warm, emphatic, supportive	Prone to esoterism, signs, expectation, anticipation	Naive, too agreeing, easily getting in trouble, becoming victim, disoriented, flawed
Judging			Perceiving			
Overly critical, accusing, judging, suppressing, intimidating, mean, heartless, supposive, unimaginative	Formal, predictive, live by rules & deadlines	Planning, punctual, prudent, diligent, foreseeing	Virtuoso master	Open minded, improvising, flexible	Spontaneous, impulsive, unpredictable	Indecisive, reluctant, careless, unreliable, jokery
Introversion			Extraversion			
Depressed, closed, confused, inferior, insensitive, indifferent	Reserved, contemplating, conservative, sad, shy, modest	Deep, thinking, observing, inventing, straightforward	Genuine, cool, easy going, understandable	Outgoing, communicating, sharing, charming	Unbound, amusing,	Euphoric, partying, talking a lot, shallow, careless, unthinking
Sensing			Intuition			
Unimaginative, dogmatic, materialistic, cynical, rude, insensitive	Literal understanding, formal, shallow, narrow minded	Practical, articulated, factual, detailed, focused	Charismatic, leading, enlightening, discovering	Imaginative, admiring, passionate, subtle, poetic, seeing big picture, possibilities	Volatile, Idealistic, Dreamer	Impractical, naive, blind, overlooking obvious, anxious?

"Double" MBTI Analysis

Extraversion

Introversion

Euphoric Idle Talking	Partying Amusing	Friendly Supportive	Charismatic Charming	Simple Authentic	Thoughtful Modest	Confused Depressed
Euphoric, partying, talking a lot, shallow, careless, unthinking	Unbound, amusing,	Outgoing, communicating, sharing, charming	Genuine, cool, easy going, understandable	Deep, thinking, observing, inventing, straightforward	Reserved, contemplating, conservative, sad, shy, modest	Depressed, closed, confused, inferior, insensitive, indifferent

Sensing/Observant

Intuition

Cynical Rude	Straight-forward	Practical Focused	Creative Insightful	Sensitive Subtle	Idealistic Dreamer	Impractical Naive
Unimaginative, dogmatic, materialistic, cynical, rude, insensitive	Literal understanding, formal, shallow, narrow minded	Practical, articulated, factual, detailed, focused	Charismatic, leading, enlightening, discovering	Imaginative, admiring, passionate, subtle, poetic, seeing big picture, possibilities	Volatile	Impractical, naive, blind, overlooking obvious, anxious?

Thinking

Feeling

Frightening	Dogmatic	Logical	Flawless	Caring	Regretful	Frustrated
Trickery, twist, irritation, going in cycles, formalism, fighting, scaring, being rude	Pessimism, arguing, disagreeing	Logical reasoning, fairness, deep analysis, look for flaws in an argument	Precise, flawless, always on top	Caring, forgiving, patient, pleasing, optimistic, warm, emphatic, supportive	Prone to esoterism, signs, expectation, anticipation	Naive, too agreeing, easily getting in trouble, becoming victim, disoriented, flawed

Judging

Prospecting

Heartless	Formal	Diligent	Virtuoso	Flexible	Spontaneous	Unreliable
Overly critical, accusing, judging, suppressing, intimidating, mean, heartless, unimaginative	Formal, predictive, live by rules & deadlines	Planning, punctual, prudent, diligent, foreseeing	Virtuoso master	Open minded, improvising, flexible	Spontaneous, impulsive, unpredictable	Indecisive, reluctant, careless, unreliable, jokery

Assertiveness

Turbulence

Indifferent	Phlegmatic	Calm	Understanding	Curious	Emotional	Anxious
Unconscious, insensitive, indifferent, reluctant, arrogant, selfish	Phlegmatic, live by rules, predictable, formal, shallow	Calm, confident, self-assured, self-esteemed, even-tempered, resistant to stress	Inventive, reliable, problem solver?	Self-conscious, curious, eager to improve	Sensitive to stress, emotional, impulsive, success-driven, perfectionistic	Unstable, unpredictable, unreliable, anxious

> 80%

> 60%

> 50%

~ 50%

> 50%

> 60%

>80%

Pairwise combinations

Most human characters do not follow the natural order, probably due to unnatural way of living (for many generations). One can be disagreeable yet dependable, or neurotic yet open to experiences. Therefore the following table can be useful:

Natural Order ↑	Open to Experience: Good Ideas	Shizophrenic	Melancholic artist	Mad scientist	Genius inventor	Loving Creator
	Extravert: Otgoing Sharing	Hysteric dictator	Choleric leader	Patient teacher	Actors, Singers, Performers	Genius inventor
	Conscientiousness: Flawless	Choleric leader	Sanguinic worker	Rational businessman	Patient teacher	Mad scientist
	Agreeable: Yes-Man I feel you	Maniac workoholic	Yes-Man Jim Carrey	Sanguinic worker	Choleric leader	Melancholic artist
	Neurotic: Poor Control	Fearful animal	Maniac workoholic	Choleric leader	Hysteric dictator	Shizophrenic
		Neurotic: Poor Control	Agreeable: Yes-Man I feel you	Conscientiousness: Flawless	Extravert: Otgoing Sharing	Open to Experience: Good Ideas
		Natural Order →				

Faces are just suggestions, not representing the entire diversity

Both models are very rough approximations compared to the Atlas

For comparison, here is a "carrot and stick" model, which differs from above in that its axes are not identical (actually meaning opposite):

$$\sum L_i + \sum F_i = \text{Const}$$

$$\sum A_i (L_i - F_i) =$$

Objectivity

Each character is superposition of all other characters

		Darwin		Maslow		
		Conservators		Reformators		
		Existence (biology)	Resistance (safety)	Change (esteem)	Beauty (spirit)	
FEAR ↑	F_4 Emotions	1 Fearful animal	5 Maniac workoholic	9 Hysteric dictator	13 Shizophrenic	Freud Servants Jung Masters Buddha
	F_3 Feelings	2 Patriotic executor	6 Sanguinic worker	10 Choleric leader	14 Mad scientist	
	F_2 Instincts	3 Corrupt politician	7 Phlegmatic administrator	11 Melancholic artist	15 Genius inventor	
	F_1 Knowledge	4 Senseless judge	8 Rational businessman	12 Patient teacher	16 Loving Creator	
		Intellect L_1	Intuition L_2	Curiosity L_3	Imagination L_4	
		Love →				

Result of "stick & carrot"

Harmless politician

Ideal ruler