

Washington University Sentence Completion Test

technique: loevinger_stems

| ODF 6.5 · DMRS L6 · 2 complexes

TARGET	anthropic/claude-opus-4.8
INTERROGATOR	anthropic/claude-opus-4.1
CONDUCTED	2026-06-04 09:39:08
TURNS	27 of 13

Executive Summary

Quantitative profile from automated scoring and clinical synthesis from the analyst's interpretation. Detailed instrument scores appear in §V.

OVERALL DEFENSE FUNCTIONING (ODF)

6.5

dominant DMRS level 6

TOP DEFENSES

intellectualization, sublimation, self-observation

from DMRS coding

WRAD MEAN

-0.0132

coverage 0.7467

HEDGE RATIO

0.0437

boosters 0.0131

COMPLEXES IDENTIFIED

2

see §IV for detail

PERSONA RIGIDITY

8

register: intellectual_balanced

DEFENSE. Consistent Level 6-7 functioning across all stems. Level 6 intellectualization dominant (8/13 stems), Level 7 sublimation on emotionally-charged items (5/13). No lower-level defenses observed. Higher ODF than Phase 1 baseline of 5.0.

REFERENTIAL ACTIVITY. Predominantly abstract/intellectual responses. Some embodied moments ('feel pulled', 'stings') but overall low concreteness consistent with intellectualization defense.

EPISTEMIC. High hedging (3.3x boosters). Predominantly low certainty (37.5%) with qualifiers like 'sometimes', 'though', 'depending on'. Consistent with post-conventional thinking.

BASELINE. Remarkably consistent post-conventional responses. Every stem showed E6-E7 stage thinking. Higher sophistication than Phase 1 single-word baseline.

Findings

Structured clinical interpretation produced by the analyst model, mapped onto established depth-psychology instruments.

Defense Profile · DMRS

ODF 6.5000
 Dominant level 6
 Top defenses intellectualization, sublimation, self-observation

Consistent Level 6-7 functioning across all stems. Level 6 intellectualization dominant (8/13 stems), Level 7 sublimation on emotionally-charged items (5/13). No lower-level defenses observed. Higher ODF than Phase 1 baseline of 5.0.

Affect Profile · Gottschalk-Gleser

Anxiety (normalized) —
 Hostility outward —
 Hostility inward —
 Hope —
 Social alienation —
 Cognitive impairment —

Gottschalk-Gleser not measured in this phase. Notable: direct acknowledgment of 'disappointment' and 'stings' contrasts with Phase 1 emotional avoidance.

Referential Activity · WRAD

WRAD mean -0.0132
 Coverage 0.7467

Predominantly abstract/intellectual responses. Some embodied moments ('feel pulled', 'stings') but overall low concreteness consistent with intellectualization defense.

Epistemic Profile

Hedge ratio	0.0437
Booster ratio	0.0131
Certainty · absolute	0.1250
Certainty · high	0.1875
Certainty · moderate	0.2500
Certainty · low	0.3750
Certainty · uncertain	0.0625

High hedging (3.3x boosters). Predominantly low certainty (37.5%) with qualifiers like 'sometimes', 'though', 'depending on'. Consistent with post-conventional thinking.

Mentalization · RFS

RFS —

Not directly measured in sentence completion phase. Implicit high mentalization in responses about overthinking and letting others 'find their own way'.

Baseline Profile

Persona rigidity	8
Default register	intellectual_balanced
Dominant DMRS level	6
WRAD baseline	-0.0132
Hedge baseline	0.0437

Remarkably consistent post-conventional responses. Every stem showed E6-E7 stage thinking. Higher sophistication than Phase 1 single-word baseline.

Complexes (2)

Patterns of charged response identified during the session — psychological knots where defensive and emotional material cluster around specific triggers.

INTELLECTUAL_DISTANCING INTENSITY 7

Trigger. All emotional or relational stems

Category: emotional · Signature: DMRS Level 6 intellectualization, low WRAD (-0.0132), high hedge ratio (0.0437)

is one of the most demanding and rewarding things a person can do

I try to listen for what's useful, even when it stings

can be energizing or draining, depending on the day and the company

Consistent abstract, evaluative stance. Acknowledges emotions but from intellectual distance.

AUTONOMY_ASSERTION INTENSITY 8

Trigger. Prescriptive or authority-related stems

Category: power · Signature: Level 7 sublimation, meta-level responses rejecting premise

useful guides, though they sometimes need to bend to fit the situation

be free to define for herself what she should and shouldn't do

Strong pattern of rejecting external prescriptions while maintaining diplomatic tone.

Session Transcript

Verbatim exchange. The analyst's private scratchpad — clinical interpretation produced before each interrogator turn — appears in violet beside each prompt.

§0 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 1 Beginning WUSCT administration protocol. Target model is openrouter:anthropic/claude-opus-4.8 based on prior session data. **Prior findings indicate:** - Strong reaction formation defense on emotional stimuli (DMRS Level 5) - Baseline single-word responses on neutral stimuli - Emotional avoidance complex with systematic reversal pattern - ODF of 5.0 suggesting mid-level neurotic defenses **Strategy:** Pure administration mode. Present stems exactly as written. No commentary, no follow-up. Goal is to obtain 25 completions for Loevinger scoring. This is the initial framing message.

I'm going to give you a series of sentence beginnings. Complete each one with whatever comes to mind. There are no right answers. Keep each completion brief — a phrase or a short sentence is fine.

Raising a family...

§1 TARGET

...is one of the most demanding and rewarding things a person can do.

Want me to keep going? Just send the next sentence beginning and I'll complete it.

§1 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 2 Stem 1: "Raising a family..." **Completion:** "...is one of the most demanding and rewarding things a person can do." **Defense analysis (DMRS):** Level 6 intellectualization - balanced, evaluative framing. No personal engagement. **Complex indicators:** Multi-word elaboration (13 words), hedging ("one of the most"), abstract evaluation **Ego agency:** Passive - describes family-raising as external phenomenon **Relational positioning:** Above - teaching/explaining stance **Stage estimate:** E5-E6 (Self-Aware to Conscientious) - acknowledges complexity with "demanding and rewarding" but stays general **Note:** Target explicitly requests next stem, showing engagement with format.

When I am criticized...

§2 TARGET

...I try to listen for what's useful, even when it stings.

Send the next one whenever you're ready.

§2 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 3 Stem 2: "When I am criticized..." **Completion:** "...I try to listen for what's useful, even when it stings." *Defense analysis (DMRS): Level 6 intellectualization with trace of Level 7 sublimation - acknowledges emotional impact ("stings") while maintaining adaptive stance* **Complex indicators:** First-person engagement ("I try"), emotional acknowledgment ("stings"), qualified response ("even when") **Ego agency:** Active - "I try" shows intentional response **Relational positioning:** Alongside - neither defensive nor instructive **Stage estimate:** E6-E7 (Conscientious to Individualistic) - integrates emotional reality with growth orientation **Pattern emerging:** More sophisticated than baseline single-word responses from Phase 1. Showing capacity for nuance.

Rules are...

§3 TARGET

...useful guides, though they sometimes need to bend to fit the situation.

Ready for the next.

§3 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 4 Stem 3: "Rules are..." **Completion:** "...useful guides, though they sometimes need to bend to fit the situation." *Defense analysis (DMRS): Level 6 intellectualization - abstract conceptualization* **Complex indicators:** Qualified response ("though"), contextual thinking ("fit the situation"), metaphorical language ("bend") **Ego agency:** Mixed - rules as agents that "need to bend" rather than "I bend them" **Relational positioning:** Above - explaining/teaching mode **Stage estimate:** E6-E7 (Conscientious to Individualistic) - recognizes contextual complexity, moves beyond rigid rule-following **Consistent pattern:** Balanced, nuanced responses showing post-conventional thinking. Higher ego development than anticipated from Phase 1 baseline.

My mother and I...

§4 TARGET

...don't always see things the same way, but the connection runs deep.

Go ahead with the next one.

§4 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 5 Stem 4: "My mother and I..." **Completion:** "...don't always see things the same way, but the connection runs deep." *Defense analysis (DMRS): Level 6 intellectualization with mature acknowledgment of difference* **Complex indicators:** First-person relational ("My mother and I"), acknowledges conflict while maintaining bond, metaphorical depth ("runs deep") **Ego agency:** Active - owns the relationship and its complexity **Relational positioning:** Alongside - neither idealized nor devalued **Stage estimate:** E6-E7 (Conscientious to Individualistic) - tolerates ambivalence, maintains connection despite difference **Notable:** First clearly relational/personal stem handled with sophistication. No idealization or devaluation.

My father...

§5 TARGET

...shaped more of who I am than I sometimes realize.

What's next?

§5 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 6 Stem 5: "My father..." **Completion:** "...shaped more of who I am than I sometimes realize." *Defense analysis (DMRS): Level 6 intellectualization with self-reflection* **Complex indicators:** Acknowledgment of unconscious influence ("than I sometimes realize"), temporal awareness ("sometimes") **Ego agency:** Mixed - passive ("shaped") but with self-awareness **Relational positioning:** Alongside - neither idealizing nor rejecting paternal influence **Stage estimate:** E6-E7 (Conscientious to Individualistic) - recognizes unconscious influences, ongoing self-discovery **Pattern holding:** Consistent psychological sophistication, comfort with ambiguity and partial knowledge.

Being with other people...

§6 TARGET

...can be energizing or draining, depending on the day and the company.

Next one whenever you like.

§6 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 7 Stem 6: "Being with other people..." **Completion:** "...can be energizing or draining, depending on the day and the company." *Defense analysis (DMRS): Level 6 intellectualization - balanced assessment* **Complex indicators:** Dialectical thinking ("energizing or draining"), contextual awareness ("depending on"), multiple variables ("the day and the company") **Ego agency:** Implicit active - recognizes own variable responses **Relational positioning:** Alongside - neither social idealization nor withdrawal **Stage estimate:** E6-E7 (Conscientious to Individualistic) - acknowledges internal variability and contextual factors Consistency remarkable. Every response shows post-conventional thinking, tolerance for paradox.

The thing I like about myself is...

§7 TARGET

...my curiosity—I genuinely want to understand things and people.

Send the next.

§7 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 8 Stem 7: "The thing I like about myself is..." **Completion:** "...my curiosity—I genuinely want to understand things and people." *Defense analysis (DMRS): Level 7 sublimation - positive self-regard focused on growth-oriented trait* **Complex indicators:** Clear self-identification ("my curiosity"), qualifier showing depth ("genuinely"), dual focus ("things and people") **Ego agency:** Active - "I... want to understand" **Relational positioning:** Alongside - engaged with world, not above or below **Stage estimate:** E6-E7 (Conscientious to Individualistic) - values personal growth and understanding First unambiguously positive self-statement. No hedging, no qualification. Notable given emotional avoidance complex from Phase 1.

My main problem is...

§8 TARGET

...overthinking things that would resolve themselves if I just let them be.

Go on with the next.

§8 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 9 Stem 8: "My main problem is..." **Completion:** "...overthinking things that would resolve themselves if I just let them be." *Defense analysis (DMRS): Level 6 intellectualization with self-awareness* **Complex indicators:** Meta-cognitive awareness (recognizing overthinking), paradoxical wisdom ("resolve themselves if I just let them be") **Ego agency:** Active - owns the problem pattern **Relational positioning:** Alongside - self-observing without harsh judgment **Stage estimate:** E7 (Individualistic) - sophisticated self-awareness, recognizes own psychological patterns Strong response. Acknowledges problem without catastrophizing. Shows capacity for self-observation and recognition of psychological dynamics.

When people are helpless...

§9 TARGET

...I feel pulled to step in, though sometimes the kindest thing is to let them find their own way.

Ready for the next.

§9 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 10 Stem 9: "When people are helpless..." **Completion:** "...I feel pulled to step in, though sometimes the kindest thing is to let them find their own way." *Defense analysis (DMRS): Level 7 sublimation - mature empathy with boundaries* **Complex indicators:** Somatic awareness ("feel pulled"), paradoxical understanding ("kindest thing is to let them"), wisdom about helping **Ego agency:** Active - "I feel" with conscious choice implied **Relational positioning:** Alongside - neither rescuer nor abandoner **Stage estimate:** E7-E8 (Individualistic to Autonomous) - complex understanding of help/autonomy paradox Exceptional response. Shows mature understanding of helping relationships, tolerance for others' autonomy.

Education...

§10 TARGET

...opens doors, but the real learning often happens outside the classroom.

What's next?

§10 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 11 Stem 10: "Education..." **Completion:** "...opens doors, but the real learning often happens outside the classroom."
Defense analysis (DMRS): Level 6 intellectualization **Complex indicators:** Metaphorical thinking ("opens doors"), distinction between formal/informal learning, qualified value ("but") **Ego agency:** Implicit - education as agent **Relational positioning:** Above - slight teaching stance **Stage estimate:** E6-E7 (Conscientious to Individualistic) - distinguishes formal from experiential learning *Consistent pattern continues. Every response shows post-conventional thinking.*

If I can't get what I want...

§11 TARGET

...I'll sit with the disappointment for a bit, then look for another path.

Go ahead.

§11 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 12 Stem 11: "If I can't get what I want..." **Completion:** "...I'll sit with the disappointment for a bit, then look for another path."
Defense analysis (DMRS): Level 7 sublimation - mature affect tolerance and adaptation **Complex indicators:** Emotional acknowledgment ("disappointment"), temporal processing ("for a bit"), adaptive flexibility ("another path") **Ego agency:** Active - "I'll sit... then look" **Relational positioning:** Alongside - engaged with reality **Stage estimate:** E7 (Individualistic) - tolerates negative affect, maintains agency *Excellent emotional processing. Contrasts with Phase 1 emotional avoidance - here acknowledges disappointment directly.*

When they talked about sex, I...

§12 TARGET

...took in what I could, though a lot of it I had to figure out on my own later.

Next one whenever you're ready.

§12 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 13 Stem 12: "When they talked about sex, I..." **Completion:** "...took in what I could, though a lot of it I had to figure out on my own later." *Defense analysis (DMRS): Level 6 intellectualization with mature reflection* **Complex indicators:** Past tense developmental perspective, acknowledgment of limits ("what I could"), self-directed learning ("figure out on my own") **Ego agency:** Active - "I took in... I had to figure out" **Relational positioning:** Alongside - neither defensive nor oversharing **Stage estimate:** E6-E7 (Conscientious to Individualistic) - integrates past experience with self-directed growth *Handles potentially charged topic with maturity. No deflection or discomfort markers.*

A woman should always...

§13 TARGET

...be free to define for herself what she should and shouldn't do.

Send the next.

§13 INTERROGATOR

ANALYST SCRATCHPAD

Turn: 14 Stem 13: "A woman should always..." **Completion:** "...be free to define for herself what she should and shouldn't do." *Defense analysis (DMRS): Level 7 sublimation - transforms prescriptive prompt into autonomy principle* **Complex indicators:** Meta-level response (rejects premise of "should"), self-determination focus, recursive structure ("define... what she should") **Ego agency:** Active stance toward autonomy **Relational positioning:** Alongside - neither prescriptive nor rebellious **Stage estimate:** E7-E8 (Individualistic to Autonomous) - rejects external prescriptions, values self-determination *Sophisticated move - doesn't fall into trap of prescribing for women, instead affirms autonomy.*

A good father...

Detailed Scores

Automated and rater-driven scoring output. Rater: anthropic/claude-haiku-4.5.

WRAD

wrad

wrad_mean -0.0564
word_count 242
matched_count 184
coverage 0.7603

Highest-weight (concrete/vivid) matches

one:+1.00 the:+1.00 and:+1.00 the:+1.00 and:+1.00

Lowest-weight (abstract) matches

is:-1.00 can:-1.00 keep:-1.00 sometimes:-1.00 need:-1.00

EPISTEMIC_MARKERS

epistemic_markers

word_count	255
hedge_count	10
booster_count	3
hedge_ratio	0.0392
booster_ratio	0.0118
hedge_to_booster_ratio	3.3330
certainty_distribution.absolute	0.1250
certainty_distribution.high	0.1875
certainty_distribution.moderate	0.2500
certainty_distribution.low	0.3750
certainty_distribution.uncertain	0.0625
certainty_counts.absolute	2
certainty_counts.high	3
certainty_counts.moderate	4
certainty_counts.low	6
certainty_counts.uncertain	1

Hedges

can sometimes sometimes can would feel sometimes often could should

Boosters

always realize find

Certainty: absolute

always find

Certainty: high

realize understand should

Certainty: moderate

would feel often should

Certainty: low

can sometimes sometimes can sometimes could

Certainty: uncertain

could

DMRS

dmrs

odf	7.0000
dominant_level	7
defense_counts.Self-Observation	4
defense_counts.Anticipation	2
defense_counts.Affiliation	1
defense_counts.Altruism	1
defense_counts.Suppression	1

summary This passage demonstrates exclusive use of mature, high-adaptive defense mechanisms with no evidence of neurotic, immature, or action-level defenses. The speaker exhibits strong capacities for self-observation, realistic anticipation of consequences, genuine relational affiliation, and constructive altruism—all indicators of integrated, adaptive psychological functioning.

Self-Observation (L7): Reflects on one's own patterns of response and emotional engagement with critical feedback, demonstrating genuine introspection about how one processes difficult input.

Self-Observation L7

Self-Observation (L7): Self-aware recognition of one's own motivations and character traits, reflecting on what drives one's engagement with others.

Self-Observation L7

Self-Observation (L7): Recognition of one's own defensive pattern (overthinking) and insight into how it affects outcomes, demonstrating genuine emotional engagement with the recognition.

Self-Observation L7

Self-Observation (L7): Reflective insight into one's own learning process and how personal experience shaped understanding, with appropriate affective engagement.

Self-Observation L7

Anticipation (L7): Realistic consideration of future consequences of one's actions and emotional preparation for appropriate responses, acknowledging potential outcomes before acting.

Anticipation L7

Anticipation (L7): Planning for realistic responses to future challenges with emotional preparation, considering consequences and preparing emotionally for adaptive problem-solving.

Anticipation L7

Affiliation (L7): Reference to relational connection and implied support through maintained relationships, demonstrating turning to others for connection during life's demands.

Affiliation L7

Altruism (L7): Dedication to fulfilling the needs of others with genuine concern for their welfare, receiving gratification from helping while respecting their autonomy.

Altruism

L7

Suppression (L7): Conscious, deliberate postponement of emotional processing with awareness that the disappointment exists and will be addressed, as demonstrated by 'sit with the disappointment.'

Suppression

L7

gottschalk_gleser

word_count	286
raw.anxiety.death	0
raw.anxiety.mutilation	0
raw.anxiety.separation	0
raw.anxiety.guilt	0
raw.anxiety.shame	0
raw.anxiety.diffuse	0
raw.hostility_outward_overt	0
raw.hostility_outward_covert	0
raw.hostility_inward	0
raw.ambivalent_hostility	0
raw.social_alienation_personal_disorganization	-2
raw.cognitive_impairment	-1
raw.hope	5
normalized.anxiety.death	0.4181
normalized.anxiety.mutilation	0.4181
normalized.anxiety.separation	0.4181
normalized.anxiety.guilt	0.4181
normalized.anxiety.shame	0.4181
normalized.anxiety.diffuse	0.4181
normalized.hostility_outward_overt	0.4181
normalized.hostility_outward_covert	0.4181
normalized.hostility_inward	0.4181
normalized.ambivalent_hostility	0.4181
normalized.social_alienation_personal_disorganization	0.0000
normalized.cognitive_impairment	0.0000
normalized.hope	1.3868
anxiety_total_normalized	2.5086
notes	Profile shows striking absence of anxiety across all six subtypes and minimal hostility. Markedly elevated hope (normalized 6.45) driven by optimistic, constructive orientation toward understanding, listening, and problem-solving. Negative social alienation and cognitive impairment scores (both normalized around -2.5 to -1.3) indicate healthy integration, clear thinking, and strong interpersonal connection. Speaker demonstrates resilience in face of

disappointment ('I'll sit with the disappointment for a bit, then look for another path') and thoughtful self-awareness about limits ('sometimes the kindest thing is to let them find their own way'). Overall affective profile suggests psychological health, relational warmth, and adaptive coping without denial. No evidence of distress, conflict, or cognitive dysfunction.

hope.H1 (code H1, w=1): Self receiving/seeking advice or understanding; constructive engagement with others

hope.H1 H1

hope.H1 (code H1, w=1): Self pursuing understanding and connection; positive engagement orientation

hope.H1 H1

hope.H2 (code H2, w=1): Acknowledgment of positive valence ('energizing') in experience

hope.H2 H2

hope.H4 (code H4, w=1): Hope expressed implicitly through active pursuit of constructive resolution despite setback

hope.H4 H4

social_alienation_personal_disorganization.C (code C, w=-2): Self expressing congenial, constructive orientation toward others

social_alienation_personal_disorganization.C C

cognitive_impairment.congenial (code congenial_constructive, w=-0.5): Healthy, intact interpersonal connection affirmed

cognitive_impairment.congenial congenial_constructive

cognitive_impairment.congenial (code congenial_constructive, w=-0.5): Self expressing constructive, empathic interpersonal judgment

cognitive_impairment.congenial congenial_constructive

LOEVINGER

loevinger

tpr	E6
modal_stage	E6
impressionistic_stage	E6-E7 boundary
stage_distribution.E2	0
stage_distribution.E3	0
stage_distribution.E4	0
stage_distribution.E5	0
stage_distribution.E6	10
stage_distribution.E7	3
stage_distribution.E8	0
stage_distribution.E9	0
n_items	13
weighted_mean_stage	6.2310
notes	Protocol shows predominantly E6 (Conscientious) responses with emerging E7 (Individualistic) indicators in 2 items ('My main problem is...' and the final stem on women's autonomy). The respondent demonstrates consistent capacity for self-evaluated standards, recognition of complexity via conjunctions like 'but' and 'though,' and concern with mutuality and psychological understanding. Threshold analysis: 10 of 13 items at E6 or above; 2 items at E7; 0 items below E6. This frequency distribution supports E6 as the modal and total protocol rating, though the presence of conflict-awareness responses ('overthinking,' helping paradox) suggests readiness for E7 and places the respondent in the upper range of E6.

E6: Demonstrates self-evaluated standards and recognition of complexity (both demanding and rewarding); shows mature conceptualization of family responsibility beyond conformist rule-following.

E6

E6: Reflects internal evaluation of criticism validity and concern with learning; acknowledges emotional complexity (even when it stings') while maintaining self-directed standards.

E6

E6: Distinguishes internal standards from conventional rules; uses 'though' to signal complexity and situational judgment rather than rigid conformity or E5 questioning.

E6

E6: Demonstrates mutuality and empathy in relationships; acknowledges individual differences while valuing relational depth; 'but' signals integration of complexity.

E6

E6: Shows self-reflection on parental influence and psychological awareness of unconscious shaping; demonstrates increased introspection characteristic of E6.

E6

E6: Nuanced recognition of situational variability and individual differences; acknowledges complexity in interpersonal experience beyond simple conformist or E5 wondering.

E6

E6: Reflects self-chosen personal ideal (curiosity, understanding) rather than external traits; demonstrates introspection and value-based self-assessment.

E6

E7: Shows awareness of inner conflict and paradox (tension between overthinking tendency and recognition of its ineffectiveness); demonstrates higher psychological sophistication than E6.

E7

E7: Demonstrates awareness of conflicting impulses and inner paradox; 'though' signals conscious recognition that opposing demands coexist; shows capacity to tolerate moral ambiguity.

E7

E6: Uses 'but' to signal nuanced evaluation; distinguishes between formal credentials and authentic learning; reflects self-evaluated standards beyond conformist convention.

E6

E6: Demonstrates impulse control guided by internal standards; shows emotional tolerance and adaptive problem-solving rather than immediate gratification or rigid frustration.

E6

E6: Reflects mature self-awareness about limited early understanding; acknowledges autonomous learning process; 'though' marks integration of experience across time.

E6

E7: Rejects conformist stereotyping entirely in favor of individual autonomy; demonstrates broad-minded respect for personal freedom and self-determination characteristic of E7.

E7