

عمر "محمد فؤاد" أبو الرّب

الأسرار في الإبداع

الإبداع والعبقرية ليستا بحاجة إلى ذكاء خارق،
وإنما بحاجة فقط إلى صبر في التفكير.



الأسرار في الإبداع

عمر "محمد فؤاد" أبو الرّب

50
عامًا

..... المُبدع المُتميز هو شخص عنده
الاستمرارية في الإبداع مع أنه قد "يَشْطُ وَيَشْطَح"
في بعض المرات. وأما غير المتميز
فعنده إبداع في حالات مُتعددة ولكن لا توجد
عنده الاستمرارية.
والكلمة الجوهرية هنا هي: "الاستمرارية".

وهنا هدف الكتاب ... فهو يهدف لخلق
إستراتيجية تسمح لمستخدميها الاستمرارية في
الإبداع

عالم الكتب

عالم الكتب



www.alamalkotob.com

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If I have ever made any valuable discoveries, it has been owing more to patient attention, than to any other talent.

#

If I have done the public any service, it is due to my patient thought.

عمر محمد

2012-2-24

omr.mhmd@ymail.com

omr-mhmd.yolasite.com

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(Science)

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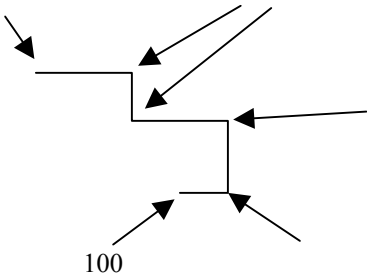
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(Model)

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Familiarity – -1
Realisation – -2
Application – -3
Improvement – -4
Innovation – -5

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.(Bloom's Cognitive domain) " "

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- Recall Data – -1
- Comprehension – -2
- Application – -3
- Analysis – -4
- .(Synthesis) -5
- .(Evaluation) -6

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(Analysis)

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(Synthesis)

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.Bloom's Taxonomy Cognitive domain :



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(Eureka)

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(Archimedes)

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(Tom and Jerry)
(Bulb -)

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عودة الآن لموضوع الإبداع:

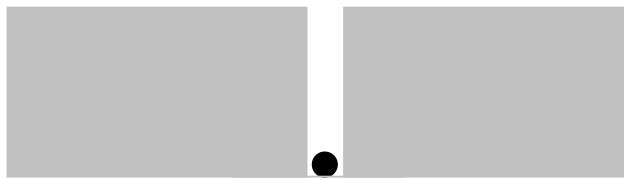
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(Pipe)

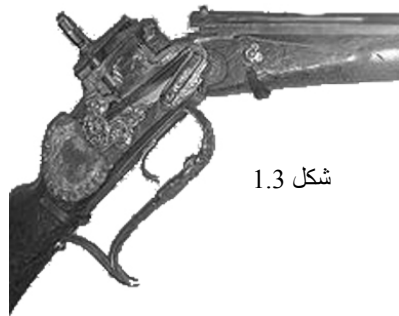


شكل 1.2

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Breech-loading Rifles



شكل 1.3

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Win/Lose)

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(Win/Win Situation)

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.(Edward de Bono) "

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(Brain Storming)

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(Patterns –) ◀

Patterns

.(Neuro-Linguistic Programming - NLP)

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(University Assignments)

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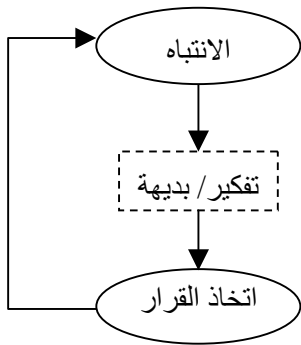
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2.1



شكل 2.1

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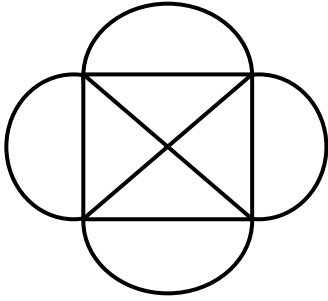
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شکل 2.2

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() 2.2 ♦

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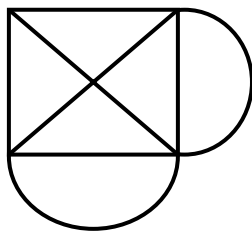
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() 2.3 ♦

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شکل 2.3

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Risk Analysis
Break Down Structure
Etc.

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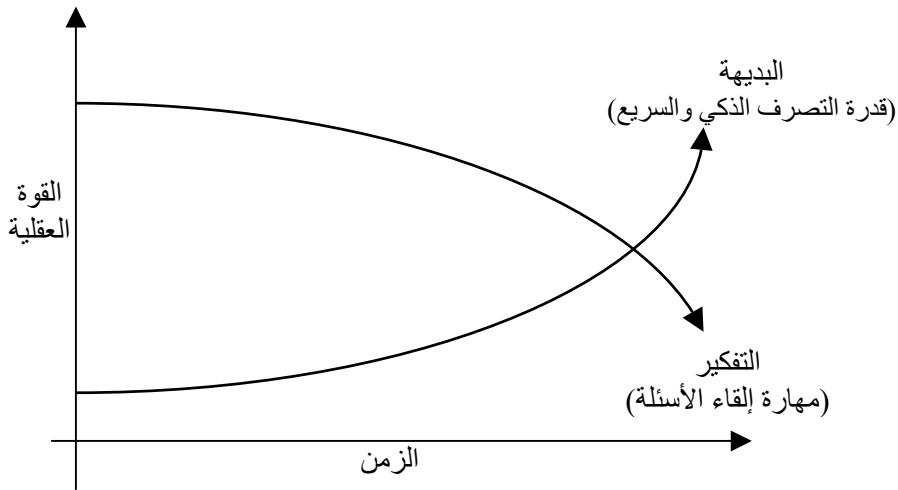
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(Knowledge management)

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شكل 2.4

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الفصل الثالث - نموذج أنماط الإبداع

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3.1 (Steel Puzzles)

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شكل 3.1

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Howard)

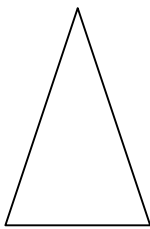
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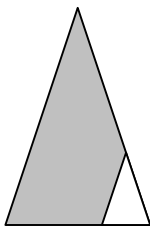
(Carter

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شكل 3.2



شكل 3.3

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.(Archaeology :)

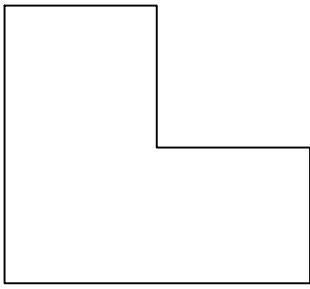
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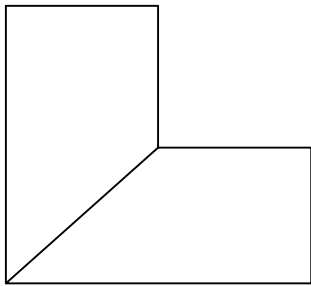
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3.4

:() 3.1 ♦

3.4



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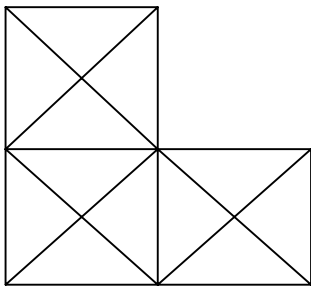
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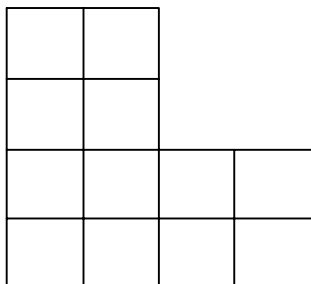
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3.6

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3.7

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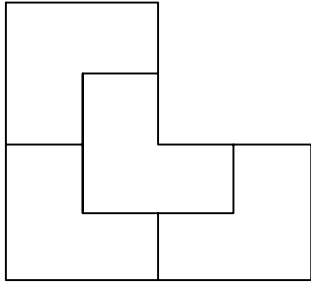
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:(Isaac Newton) " "

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(Djoser . 2648 – 2691) " "

(Imhotep) " " " "

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(Meidum Pyramid) " "
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وكذلك فقد تم وضع السؤال التالي في الفصل الأول:

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(Brainstorming) "

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(Focus Group) "

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(Thomas Edison)

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700

“I have not failed 700 times. I have not failed once. I have succeeded in proving that those 700 ways will not work. When I have eliminated the ways that will not work, I will find the way that will work.”

(Fadedgiant :)

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تغيير الألفاظ

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(Brain Storming)

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شكل 3.9

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شكل 3.10

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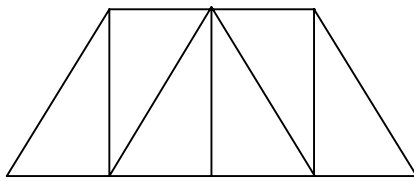
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شکل 3.11

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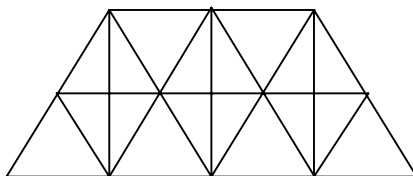
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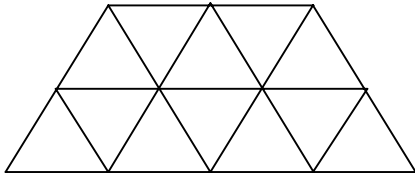


شکل 3.12

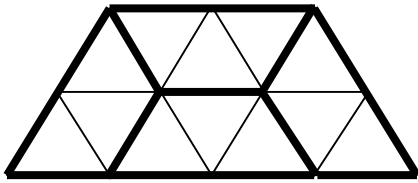
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شكل 3.13



شكل 3.14

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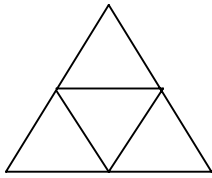
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شكل 3.15

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شكل 3.16

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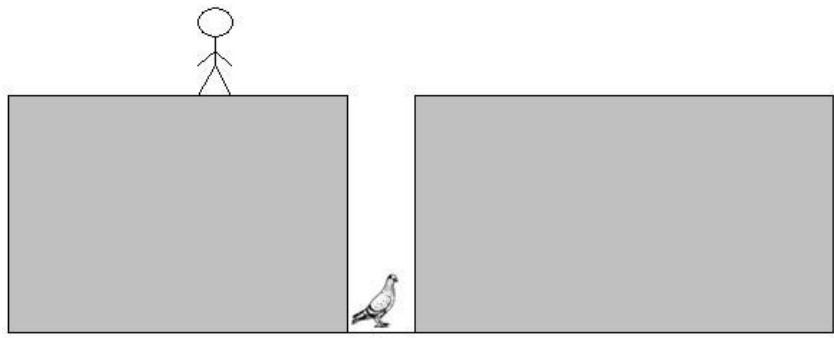
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:() 3.20 ♦

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(Reframing in NLP)

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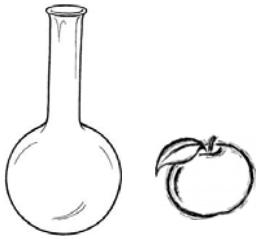
:

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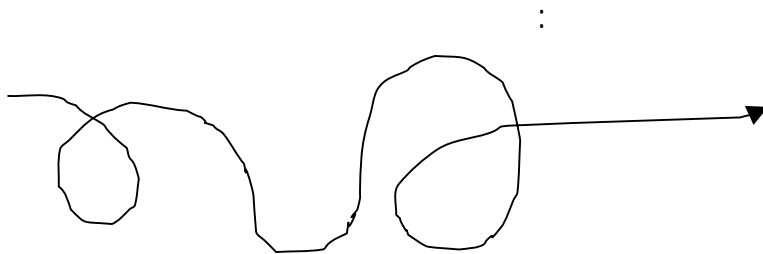
:() 3.22 ◆



شكل 3.18

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شكل 3.18

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:() 3.23 ♦

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:() 3.24 ♦

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:() 3.27 ◆

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() 3.28 ♦

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:(Science) #

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:(Edward de Bono) " " #

.(Brainstorming)

(TRIZ) #

(Problem Re-definition) #

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(NLP)

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Chris Argyris and) " " " " (Double loop learning)

. 1978 (Donald Schön

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(Abraham Ortelius) "

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(Frank Bursley Taylor) " "

1908

(Alfred Wegener) " " 1912

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(fossil plants)

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(Albert Einstein)

1968

(Bryson, Wikipedia :)

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(79)

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انظر إلى الآيات السابقة وحدد إذا كان هناك تشابهات واختلافات مثيرة للانتباه.

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(31)

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() 4.3 ♦

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(75)

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(Siruis)

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2.5

(Andromeda)

() 4.4 ♦

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() 4.5 ♦

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() 4.6 ◆

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() 4.8 ♦

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() 4.9 ◆

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(4.4)

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(Paradox)

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(Sessions)

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(Noel Burch)

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.(Unconscious Incompetence)

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.(Conscious Incompetence)

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.(Conscious Competence) -3

.(Unconscious Competence) -4

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.(Subvocalization)

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(Game)

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(Milton Model)

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(Multitasking)

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(Logos-) λόγος

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(Logic)

λογική (لوجيك). ومعانيها: التفكير، والعقلانية ...

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(Aristotle . 322 – 384)

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(Plato)

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We will apply a logical approach #

There is no logic in this #

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.Star Trek Matrix (Harry Potter)

X-Men

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X-Men

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" X-Men .(Suspension of disbelief

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() (Quantum Physics)

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(Geometry)

. 300 (Euclid)

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:(Induction) #

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:(Deductive) #

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375 (Eudoxus)

300 (Euclid)

250 (Geometry)

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() 6.2 ◆

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() 6.3 ◆

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() 6.4 ♦

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" (Titanic)

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() 6.5 ♦

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100) %1 .

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() 6.6 ♦

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%0.36

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() 6.7 ♦

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(100) 6.8 ♦

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() 6.9 ♦

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() 6.10 ♦

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(2006) 6.11 ◆

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() **6.13** ♦

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() 6.14 ◆

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“ ” “ ” “ ” “ ” “ ” “ ” -4

“ ” “ ” “ ” “ ” “ ” “ ” “ ” -5

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() 6.15 ◆

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() 6.16 ◆

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(Battle of Thermopylae

(Process of elimination) "

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() 6.17 ♦

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(Sensory-based description)

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) (NLP)

(Meta Model
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() **6.18** ◆

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:() 6.19 ♦

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:() **6.20** ♦

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() 6.21 ♦

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(Star Trek: The Undiscovered Country 1991)

: (Captain Spock) (Lt. Valeris)

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Logic, logic, logic. Logic is the beginning of wisdom, Valeris, not the end.

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(Quantum Physics)

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.(NLP)

(Kinesthetic)

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(Quantum Physics)

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Disk) " " (Myers-Briggs Type Indicator - MBTI) " "

" " (Keirsey Temperament Sorter) " " (Profiling
(Herrmann Brain Dominance Instrument)

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(The Facilitator)

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(Stopwatch or Timer)

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(Facilitator)

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(Facilitator)

(The Speaker)



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(Safety Net)

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. 1985 (Edward de Bono)

- (Information gathering) #
- (Alternatives and Creative Ideas) #
- (Good points judgment) #
- (Bad points judgment) #
- (Emotions) #
- (Process Control) #

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New Product) "

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(Assignment)

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.(Shortlist of possible solutions)

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(Walt Disney)

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(The Dreamer)



(The Realist)



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(The Critic)



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(Devil Advocate

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(Shortlist)

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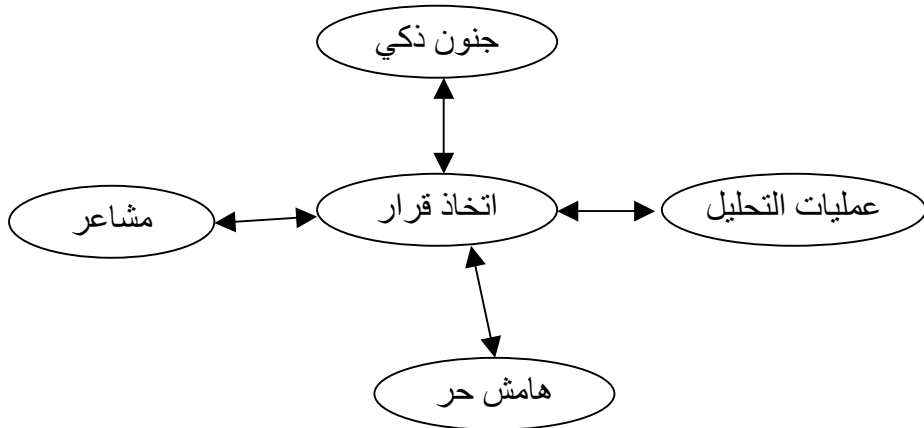
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(The Gear)



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(Checklist -)

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(TRIZ)

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(Communicate)

(Code)

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Lateral)

(Edward de Bono) "

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Lateral Thinking

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(Vertical Thinking)

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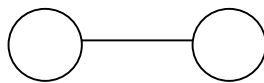
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(TRIZ) -

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(The theory of inventive problem solving) "
. 1956 (Genrich Altshuller)

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(evolve) -1

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(Power Steering)

1932

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(Portable -)

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<http://ar.wikipedia.org/wiki/>



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