



*Rei da Derivada, Summaê e Trezentos:
Aprendizagem ativa e colaborativa*

Prof. Ricardo Fragelli
fragelli@unb.br





Turma de Cálculo 1 - 250 alunos
Faculdade UnB Gama - UnB

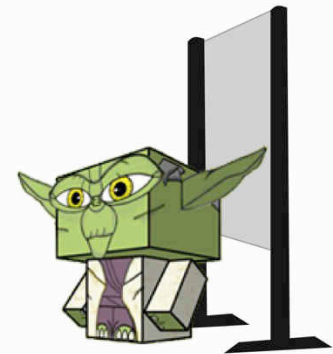
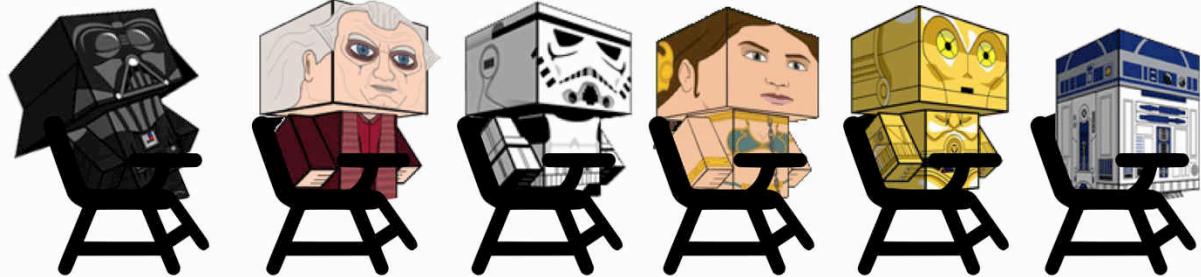


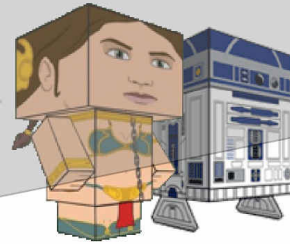
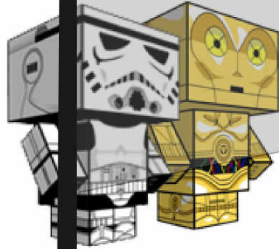


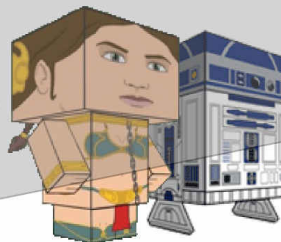
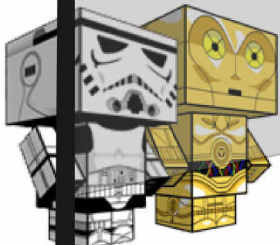


Rei da Derivada

Desde 2003
Escrevendo a duas mãos







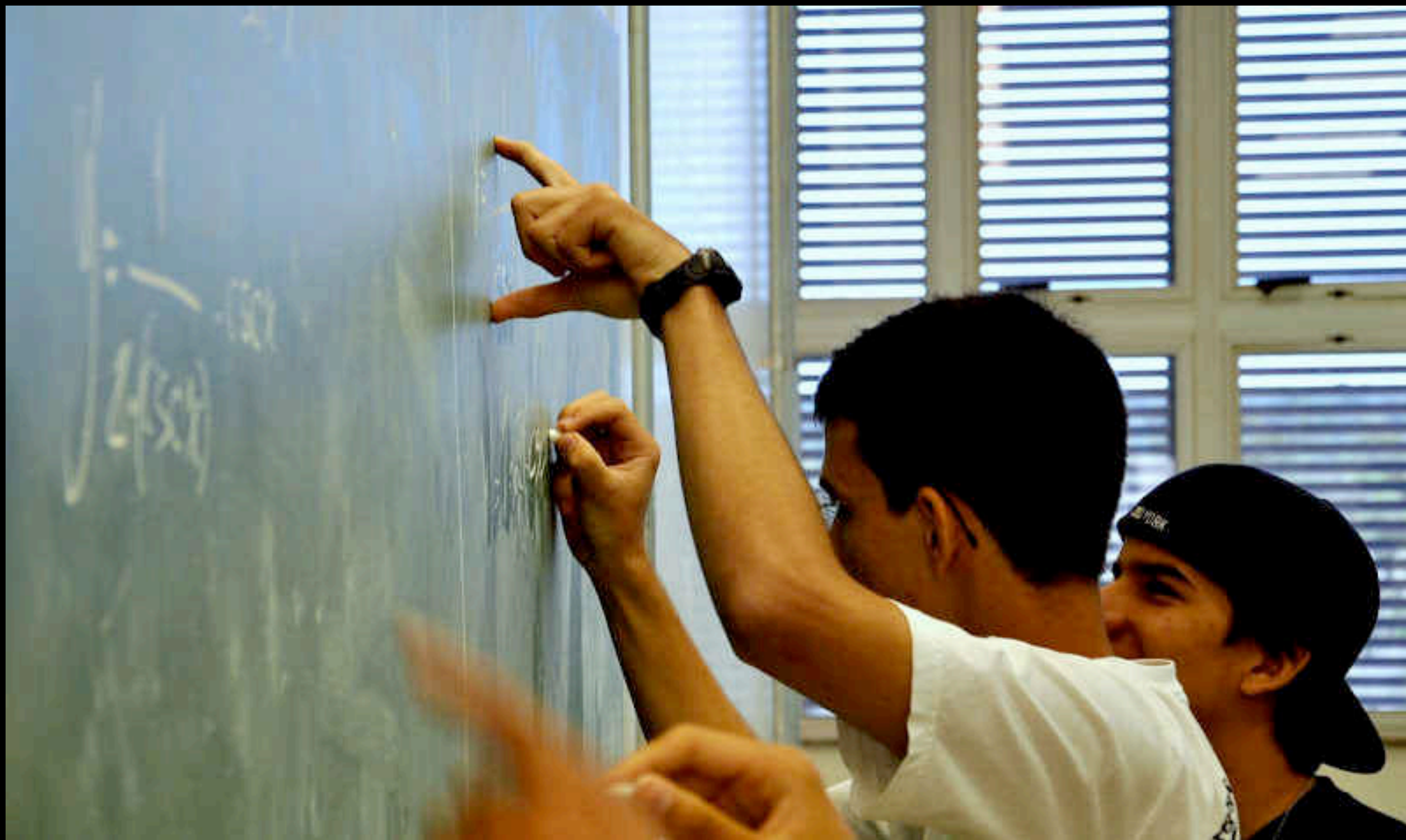


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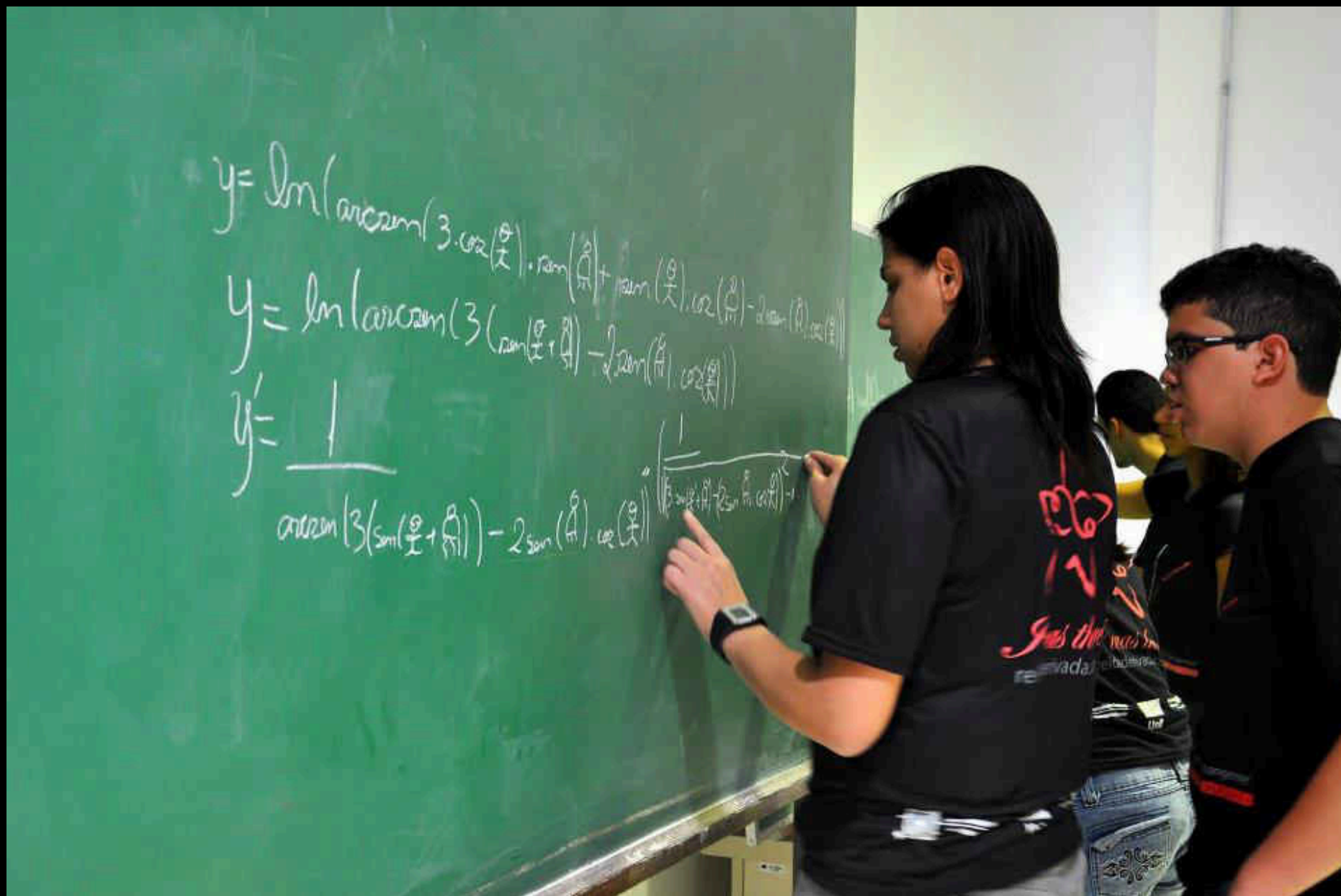




Colaboração

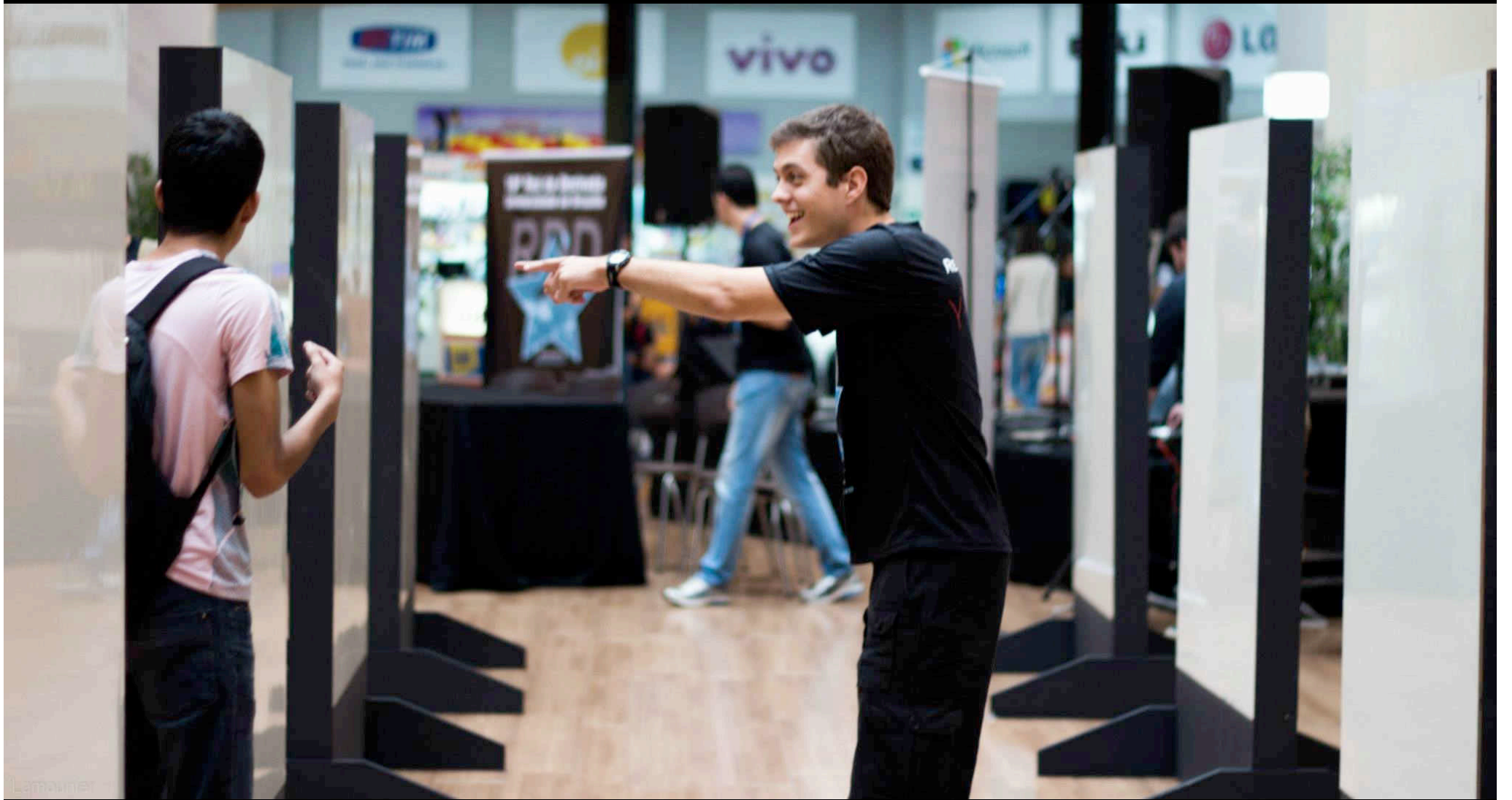


Questões interessantes



Socialização





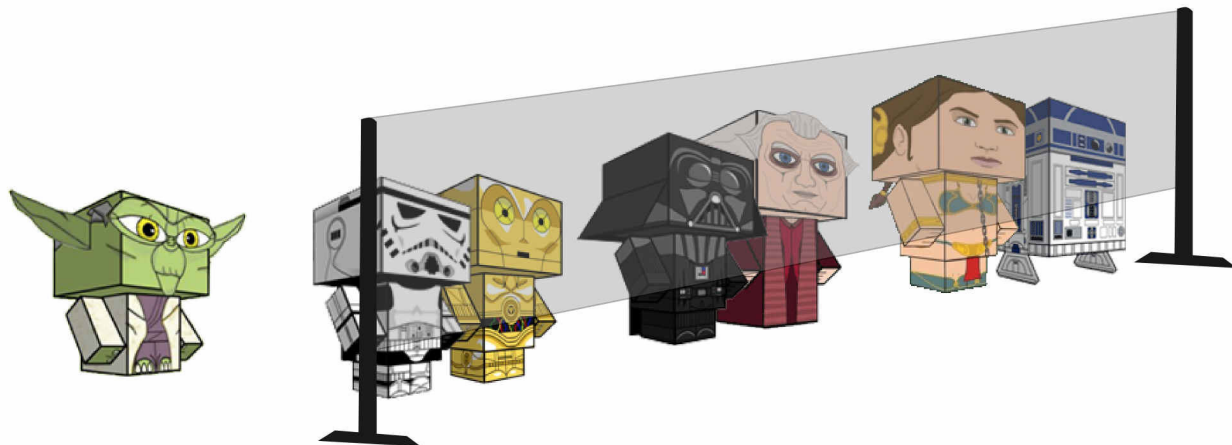
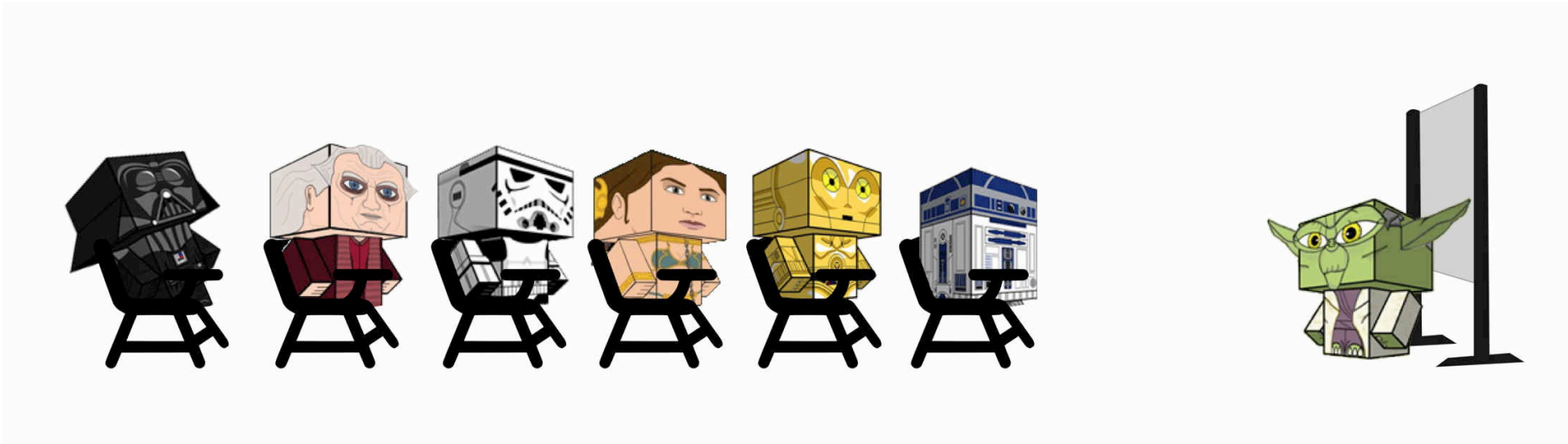


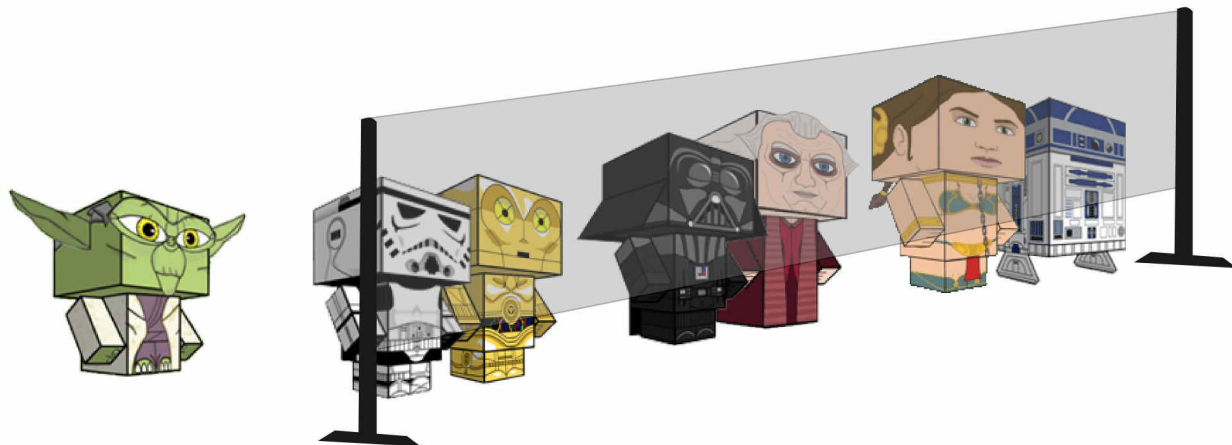
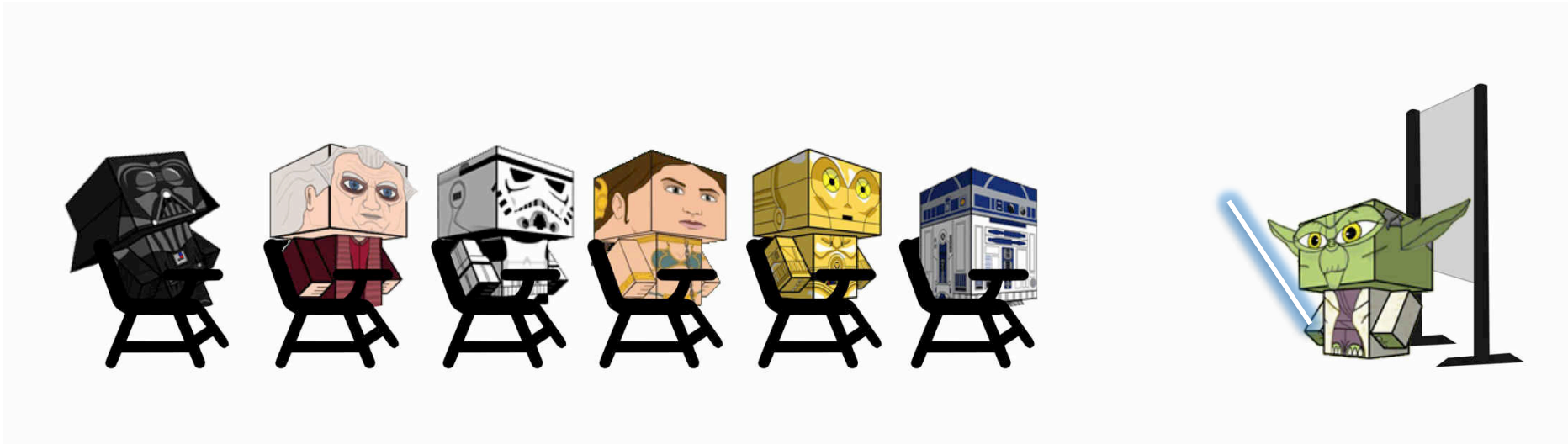
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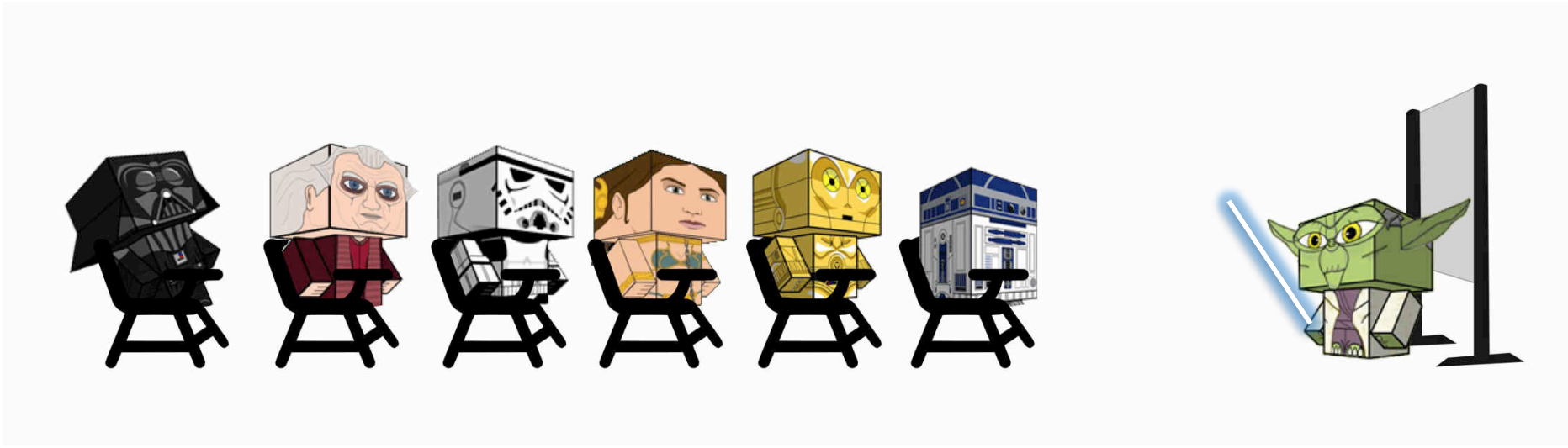






























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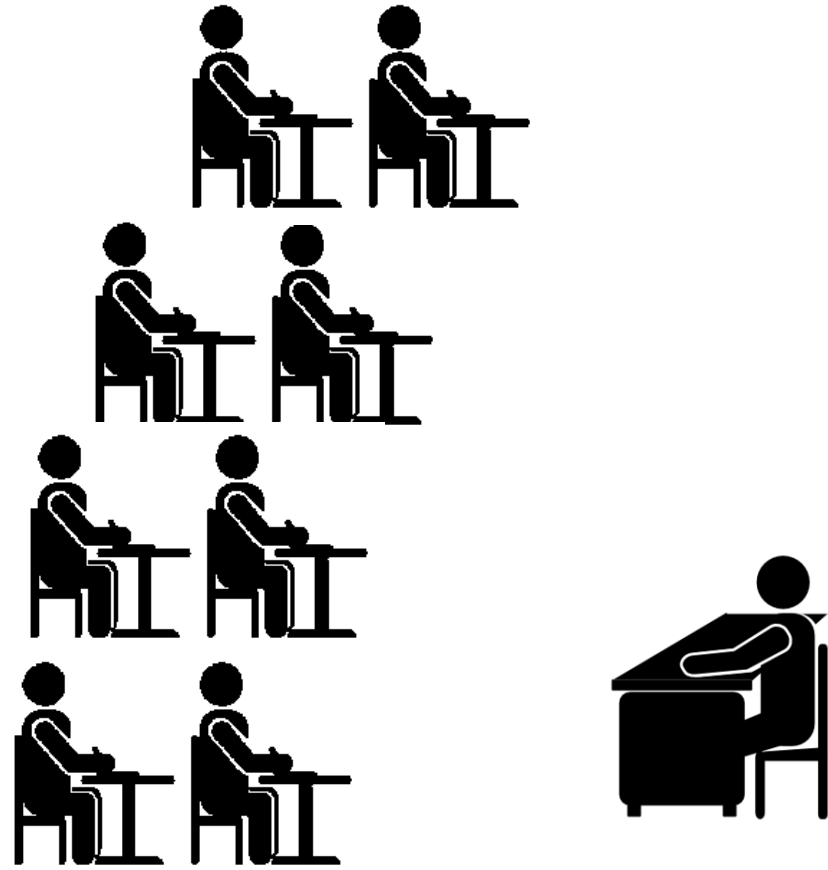


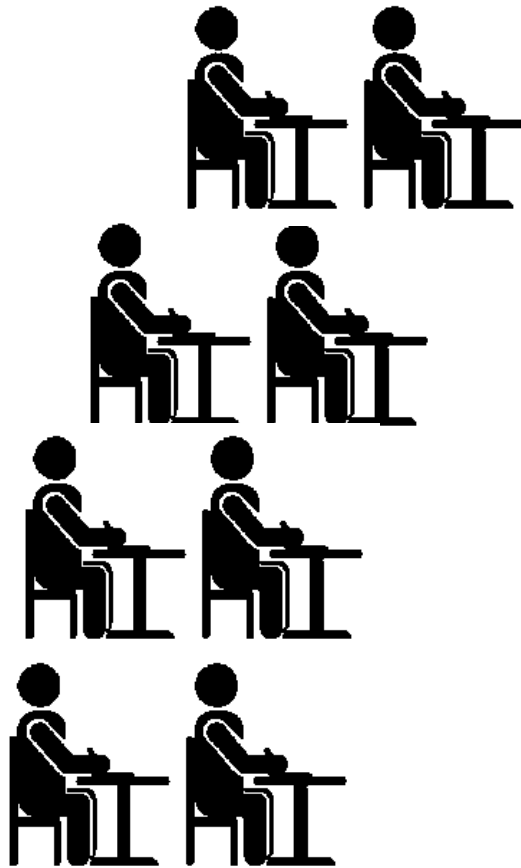
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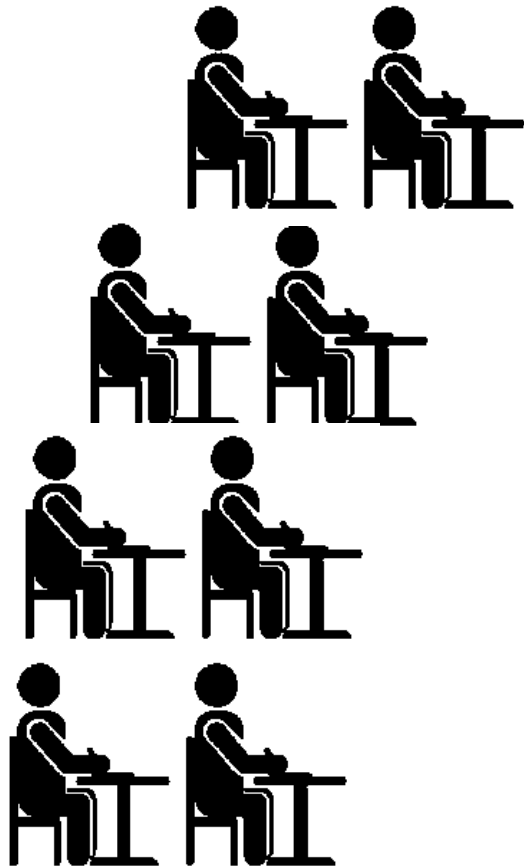
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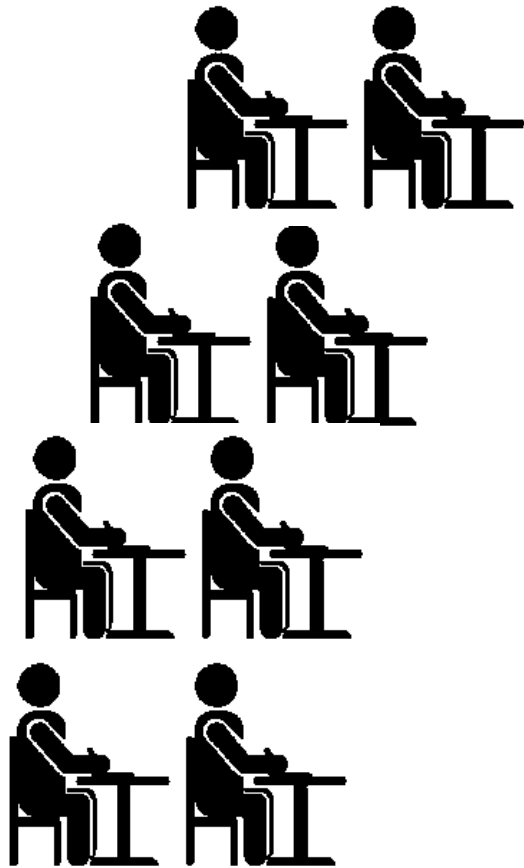
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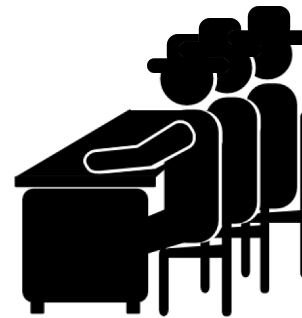
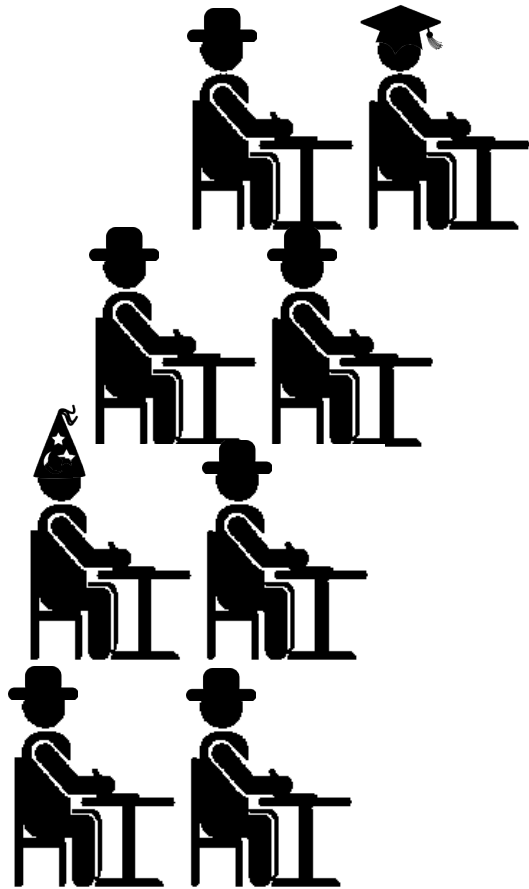


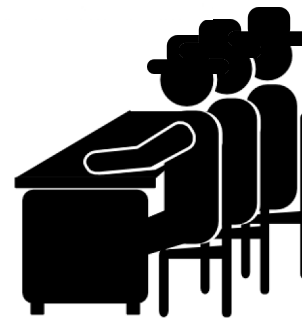
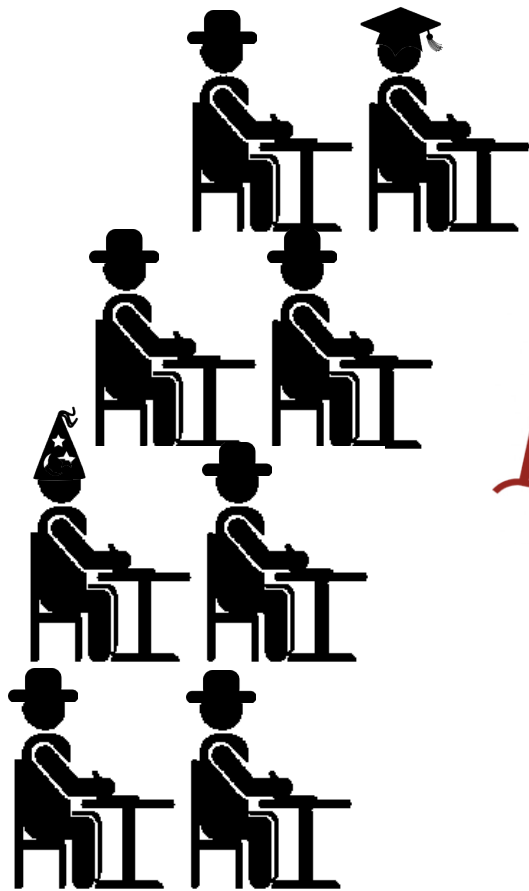














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Turma de Cálculo 1 - 250 alunos
Faculdade UnB Gama - UnB



Cena do Filme 300 - *Efiates*
Warner Bros. Pictures

Trezentos

Matrícula Nome

10000001	Albert Einstein
10000002	Sir Isaac Newton
10000003	Galileo Galilei
10000004	Charles Darwin
10000005	Johannes Kepler
10000006	Louis Pasteur
10000007	James Maxwell
10000008	Edwin Hubble
10000009	Emil Fisher
10000010	Paul Dirac
10000011	Arquimedes
10000012	Marie Curie
10000013	Henry Bessemer
10000014	Max Planck
10000015	Nikola Tesla
10000016	Aristóteles
10000017	Leonardo da Vinci
10000018	Niels Bohr
10000019	Nicolau Copérnico
10000020	Rene Descartes

Matrícula Nome

10000001	Albert Einstein
10000002	Sir Isaac Newton
10000003	Galileo Galilei
10000004	Charles Darwin
10000005	Johannes Kepler
10000006	Louis Pasteur
10000007	James Maxwell
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10000015	Nikola Tesla
10000016	Aristóteles
10000017	Leonardo da Vinci
10000018	Niels Bohr
10000019	Nicolau Copérnico
10000020	Rene Descartes

Avaliação individual

Matrícula	Nome	Nota
10000001	Albert Einstein	9,00
10000002	Sir Isaac Newton	8,45
10000003	Galileo Galilei	7,94
10000004	Charles Darwin	9,08
10000005	Johannes Kepler	3,85
10000006	Louis Pasteur	7,55
10000007	James Maxwell	9,12
10000008	Edwin Hubble	2,82
10000009	Emil Fisher	1,75
10000010	Paul Dirac	6,96
10000011	Arquimedes	1,50
10000012	Marie Curie	4,50
10000013	Henry Bessemer	9,43
10000014	Max Planck	9,87
10000015	Nikola Tesla	4,50
10000016	Aristóteles	5,50
10000017	Leonardo da Vinci	2,50
10000018	Niels Bohr	3,24
10000019	Nicolau Copérnico	4,20
10000020	Rene Descartes	2,00

Ordenar por nota

Matrícula	Nome	Nota
10000001	Albert Einstein	9,00
10000002	Sir Isaac Newton	8,45
10000003	Galileo Galilei	7,94
10000004	Charles Darwin	9,08
10000005	Johannes Kepler	3,85
10000006	Louis Pasteur	7,55
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10000008	Edwin Hubble	2,82
10000009	Emil Fisher	1,75
10000010	Paul Dirac	6,96
10000011	Arquimedes	1,50
10000012	Marie Curie	4,50
10000013	Henry Bessemer	9,43
10000014	Max Planck	9,87
10000015	Nikola Tesla	4,50
10000016	Aristóteles	5,50
10000017	Leonardo da Vinci	2,50
10000018	Niels Bohr	3,24
10000019	Nicolau Copérnico	4,20
10000020	Rene Descartes	2,00



Matrícula	Nome	Nota
10000014	Max Planck	9,87
10000013	Henry Bessemer	9,43
10000007	James Maxwell	9,12
10000004	Charles Darwin	9,08
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10000006	Louis Pasteur	7,55
10000010	Paul Dirac	6,96
10000016	Aristóteles	5,50
10000012	Marie Curie	4,50
10000015	Nikola Tesla	4,50
10000019	Nicolau Copérnico	4,20
10000005	Johannes Kepler	3,85
10000018	Niels Bohr	3,24
10000008	Edwin Hubble	2,82
10000017	Leonardo da Vinci	2,50
10000020	Rene Descartes	2,00
10000009	Emil Fisher	1,75
10000011	Arquimedes	1,50



Organização dos grupos

Matrícula	Nome	Nota
10000001	Albert Einstein	9,00
10000002	Sir Isaac Newton	8,45
10000003	Galileo Galilei	7,94
10000004	Charles Darwin	9,08
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10000016	Aristóteles	5,50
10000017	Leonardo da Vinci	2,50
10000018	Niels Bohr	3,24
10000019	Nicolau Copérnico	4,20
10000020	Rene Descartes	2,00

Matrícula	Nome	Nota	Grupo
10000014	Max Planck	9,87	1
10000013	Henry Bessemer	9,43	2
10000007	James Maxwell	9,12	3
10000004	Charles Darwin	9,08	4
10000001	Albert Einstein	9,00	4
10000002	Sir Isaac Newton	8,45	3
10000003	Galileo Galilei	7,94	2
10000006	Louis Pasteur	7,55	1
10000010	Paul Dirac	6,96	4
10000016	Aristóteles	5,50	3
10000012	Marie Curie	4,50	2
10000015	Nikola Tesla	4,50	1
10000019	Nicolau Copérnico	4,20	4
10000005	Johannes Kepler	3,85	3
10000018	Niels Bohr	3,24	2
10000008	Edwin Hubble	2,82	1
10000017	Leonardo da Vinci	2,50	4
10000020	Rene Descartes	2,00	3
10000009	Emil Fisher	1,75	2
10000011	Arquimedes	1,50	1

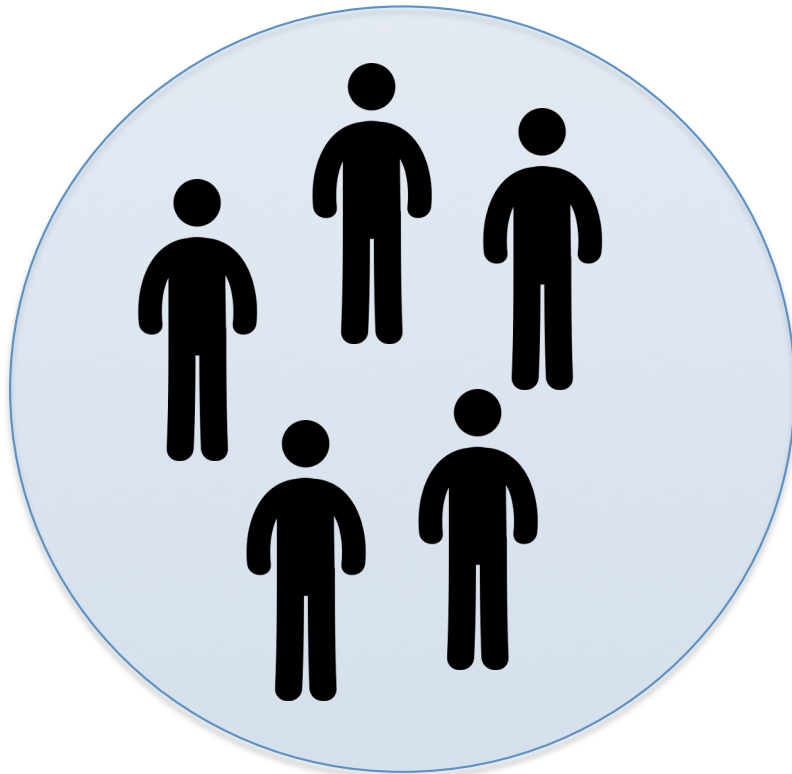
Organização dos grupos

Matrícula	Nome	Nota
10000001	Albert Einstein	9,00
10000002	Sir Isaac Newton	8,45
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10000004	Charles Darwin	9,08
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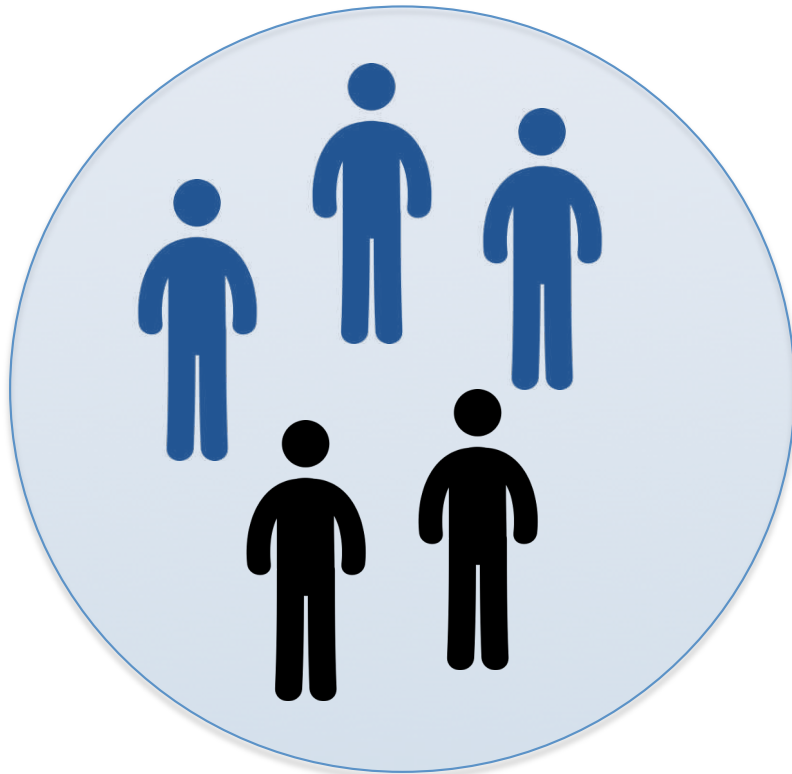
Matrícula	Nome	Nota	Grupo
10000014	Max Planck	9,87	1
10000013	Henry Bessemer	9,43	2
10000007	James Maxwell	9,12	3
10000004	Charles Darwin	9,08	4
10000001	Albert Einstein	9,00	4
10000002	Sir Isaac Newton	8,45	3
10000003	Galileo Galilei	7,94	2
10000006	Louis Pasteur	7,55	1
10000010	Paul Dirac	6,96	4
10000016	Aristóteles	5,50	3
10000012	Marie Curie	4,50	2
10000015	Nikola Tesla	4,50	1
10000019	Nicolau Copérnico	4,20	4
10000005	Johannes Kepler	3,85	3
10000018	Niels Bohr	3,24	2
10000008	Edwin Hubble	2,82	1
10000017	Leonardo da Vinci	2,50	4
10000020	Rene Descartes	2,00	3
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10000011	Arquimedes	1,50	1

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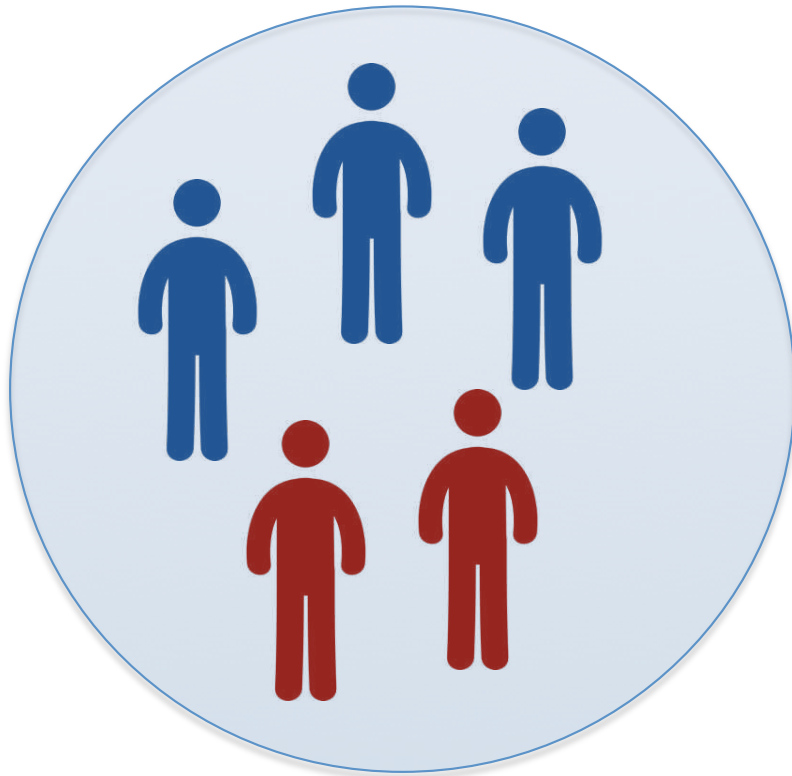
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10000015	Nikola Tesla	4,50	1
10000008	Edwin Hubble	2,82	1
10000011	Arquimedes	1,50	1
10000013	Henry Bessemer	9,43	2
10000003	Galileo Galilei	7,94	2
10000012	Marie Curie	4,50	2
10000018	Niels Bohr	3,24	2
10000009	Emil Fisher	1,75	2
10000007	James Maxwell	9,12	3
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10000004	Charles Darwin	9,08	4
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10000010	Paul Dirac	6,96	4
10000019	Nicolau Copérnico	4,20	4
10000017	Leonardo da Vinci	2,50	4



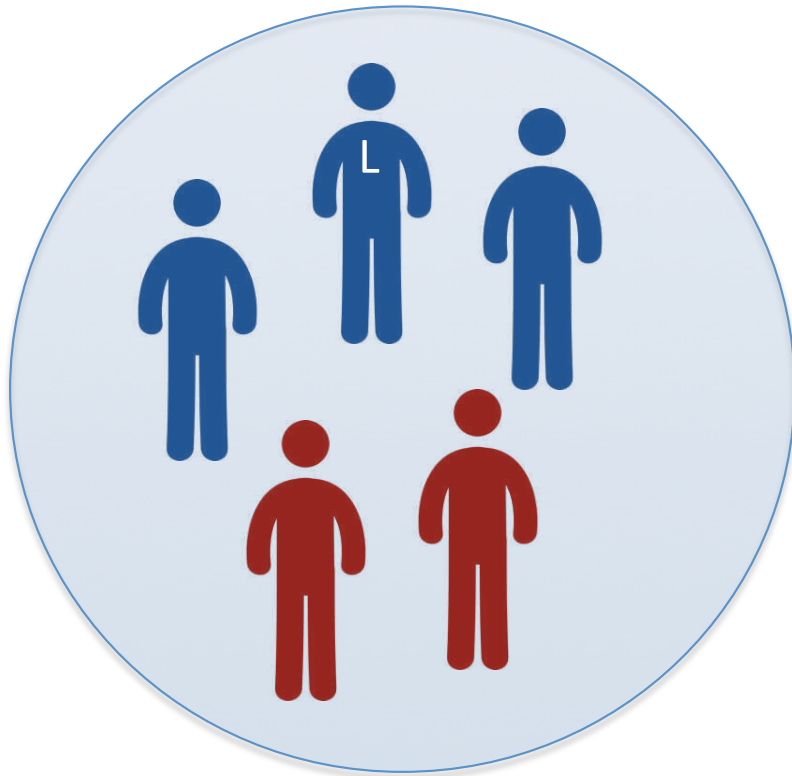
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10000006	Louis Pasteur	7,55	1
10000015	Nikola Tesla	4,50	1
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10000010	Paul Dirac	6,96	4
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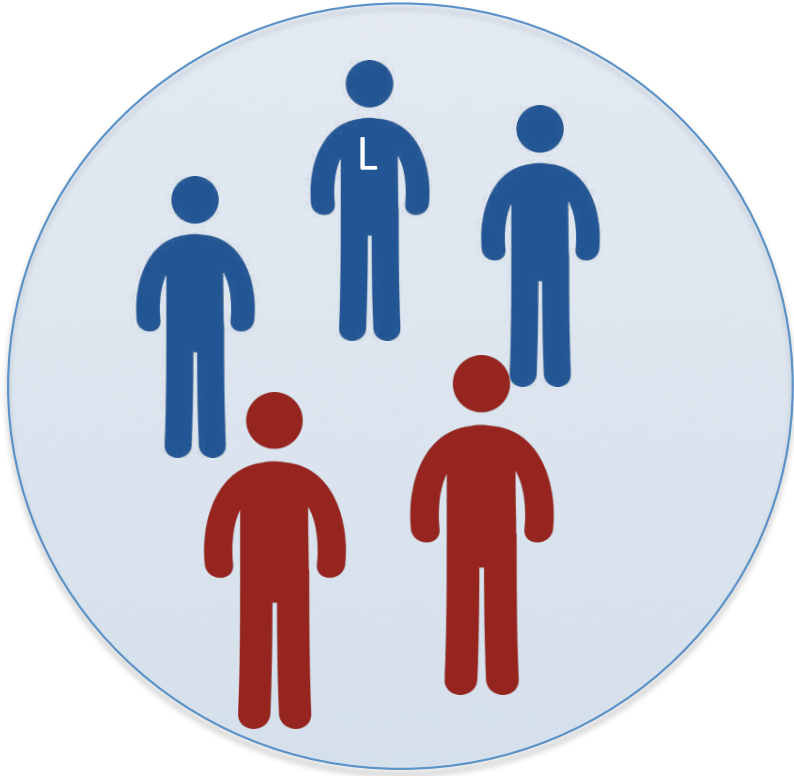
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10000010	Paul Dirac	6,96	4
10000019	Nicolau Copérnico	4,20	4
10000017	Leonardo da Vinci	2,50	4

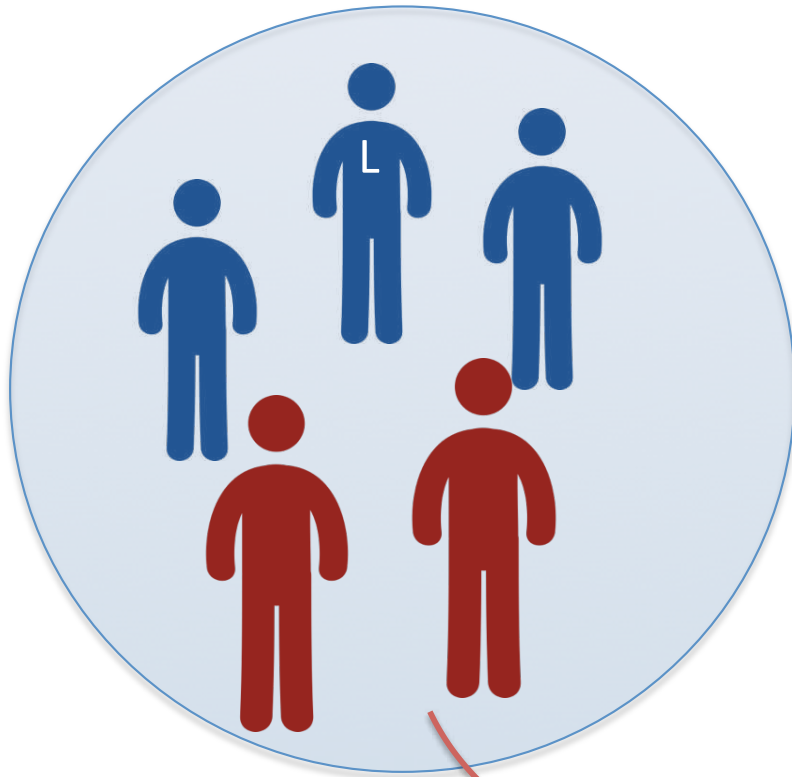


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10000004	Charles Darwin	9,08	4
10000001	Albert Einstein	9,00	4
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10000019	Nicolau Copérnico	4,20	4
10000017	Leonardo da Vinci	2,50	4

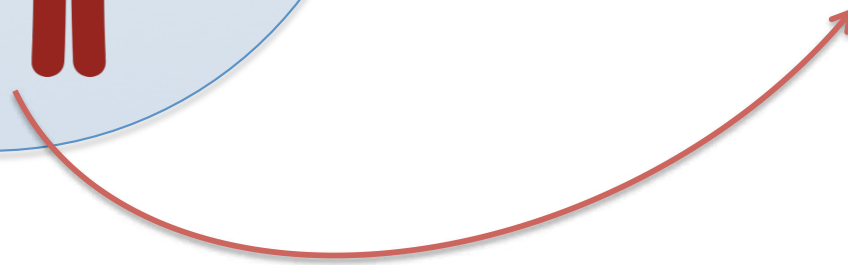


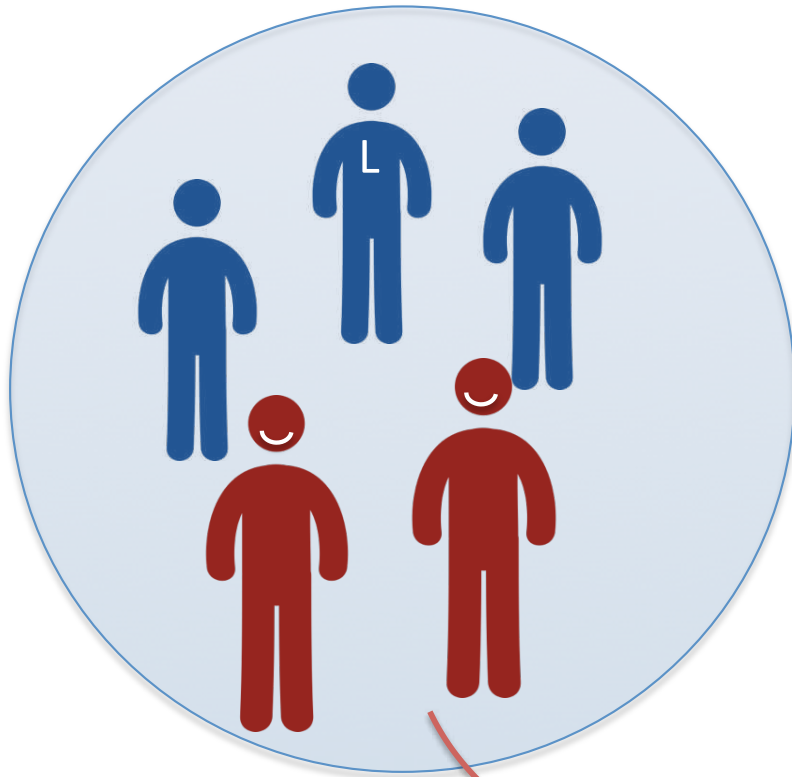
Matrícula	Nome	Nota	Grupo
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10000009	Emil Fisher	1,75	2
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10000010	Paul Dirac	6,96	4
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10000017	Leonardo da Vinci	2,50	4



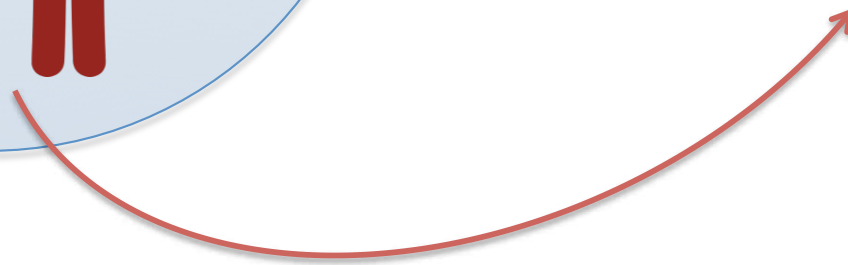


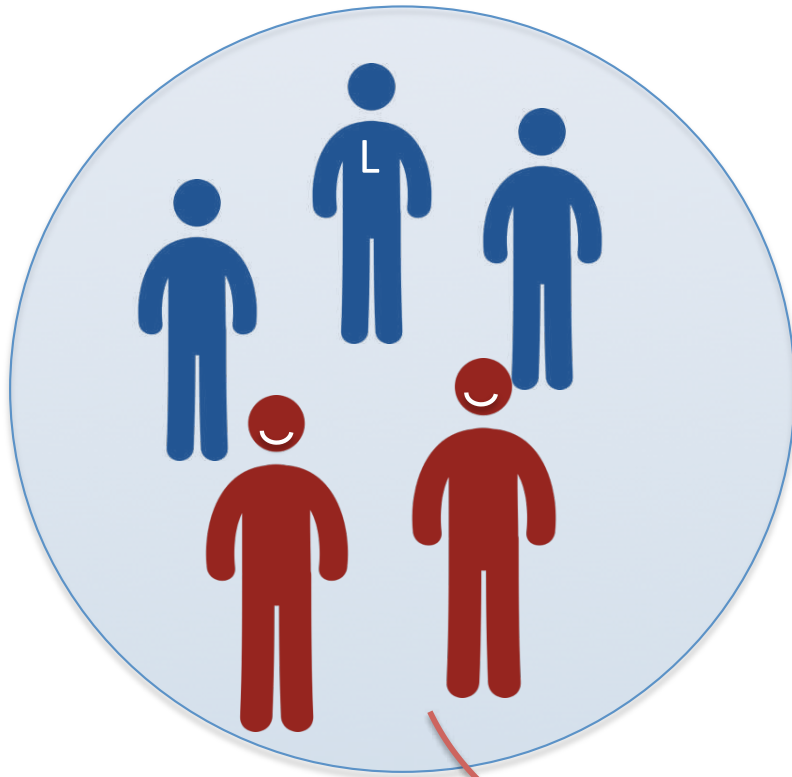
Refazer a avaliação





Refazer a avaliação

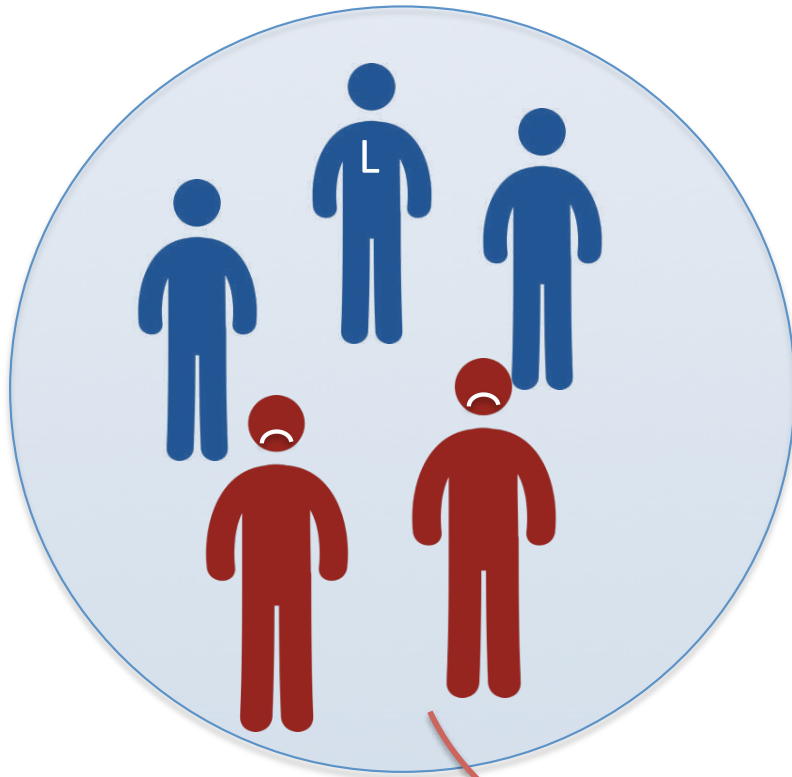




METAS

Refazer a avaliação

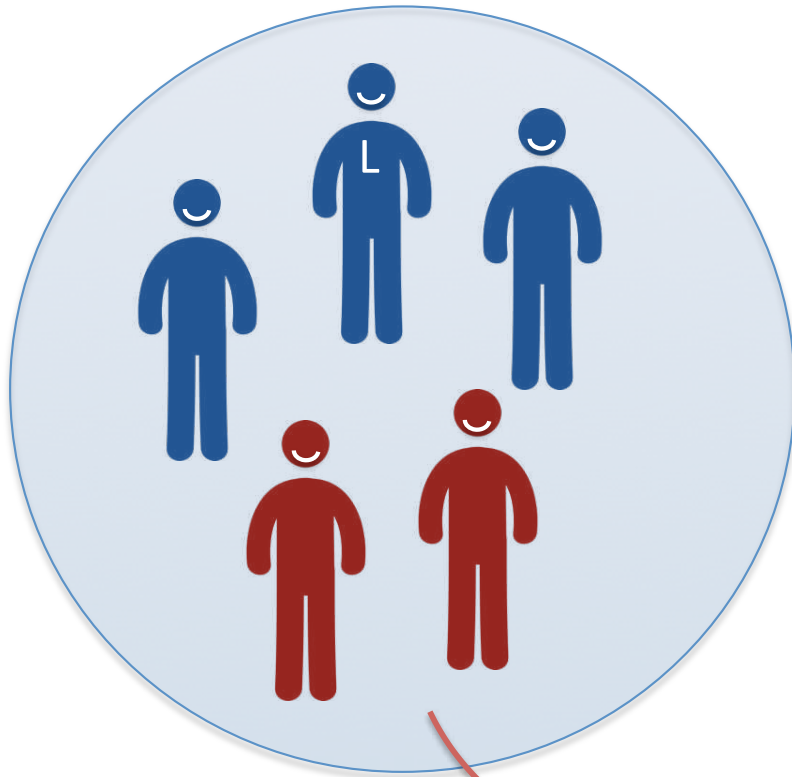




METAS

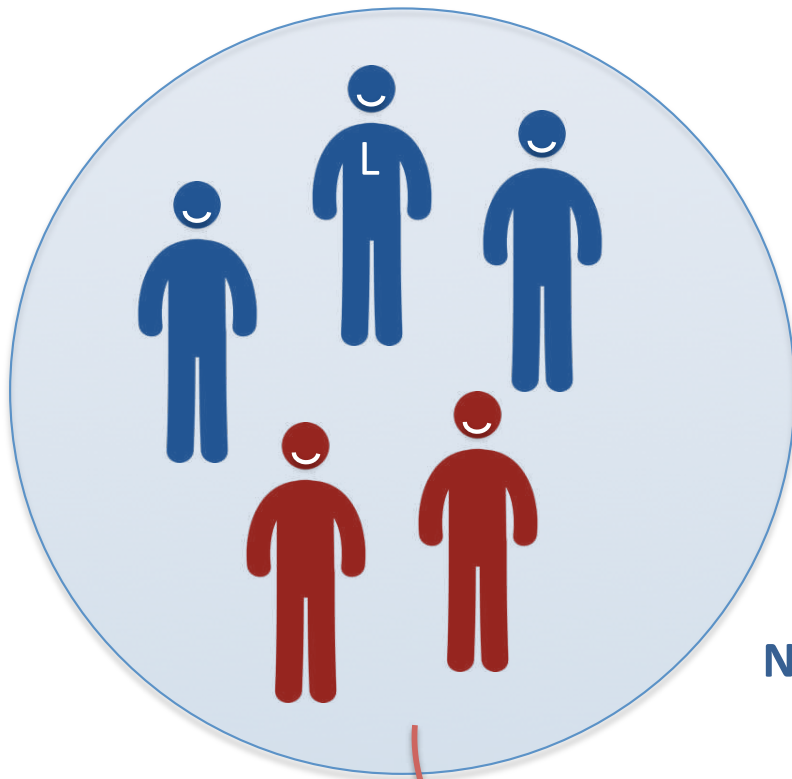
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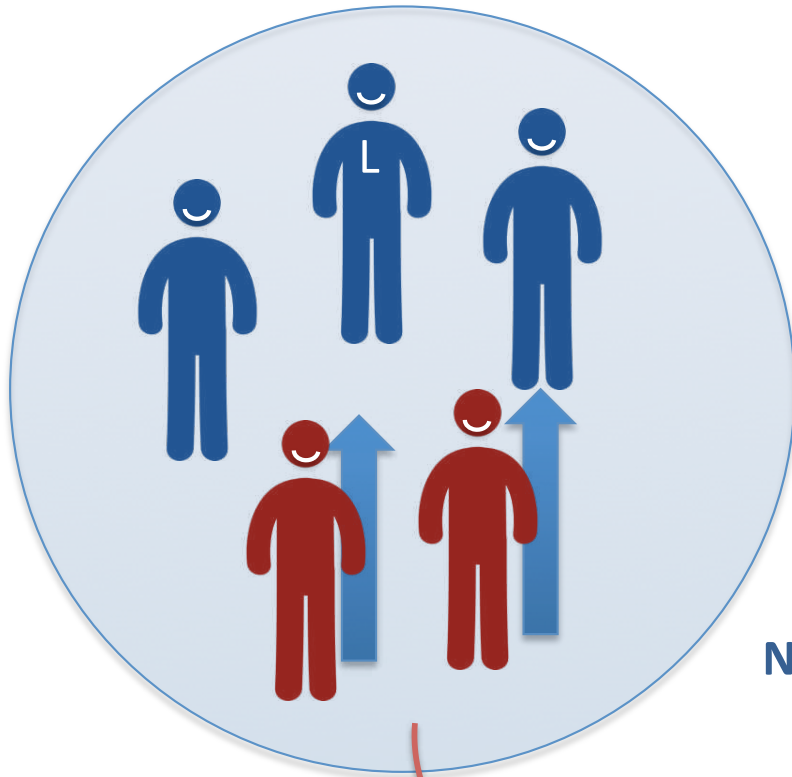
METAS

Refazer a avaliação



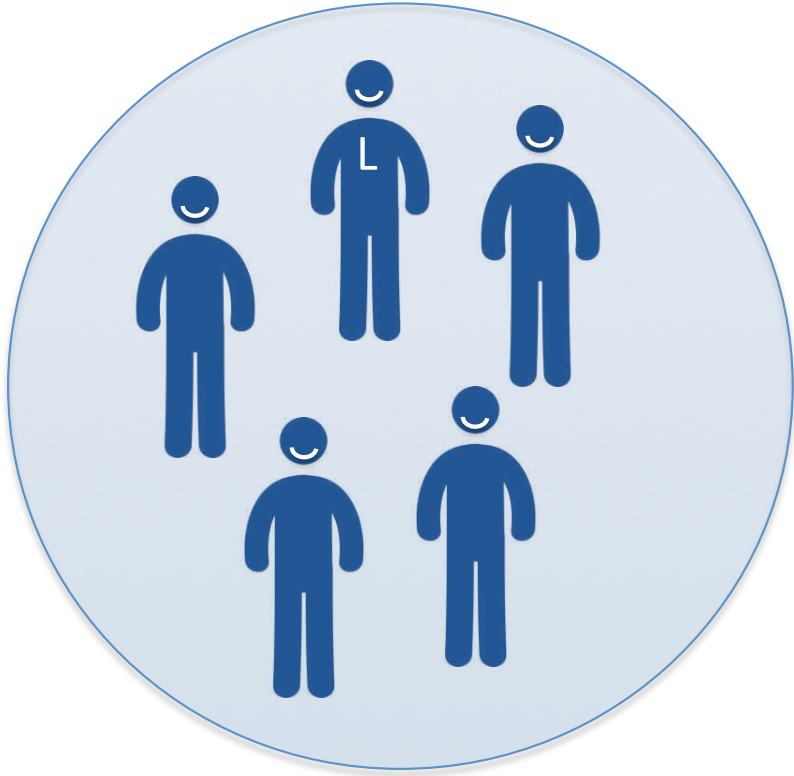
Nova avaliação individual



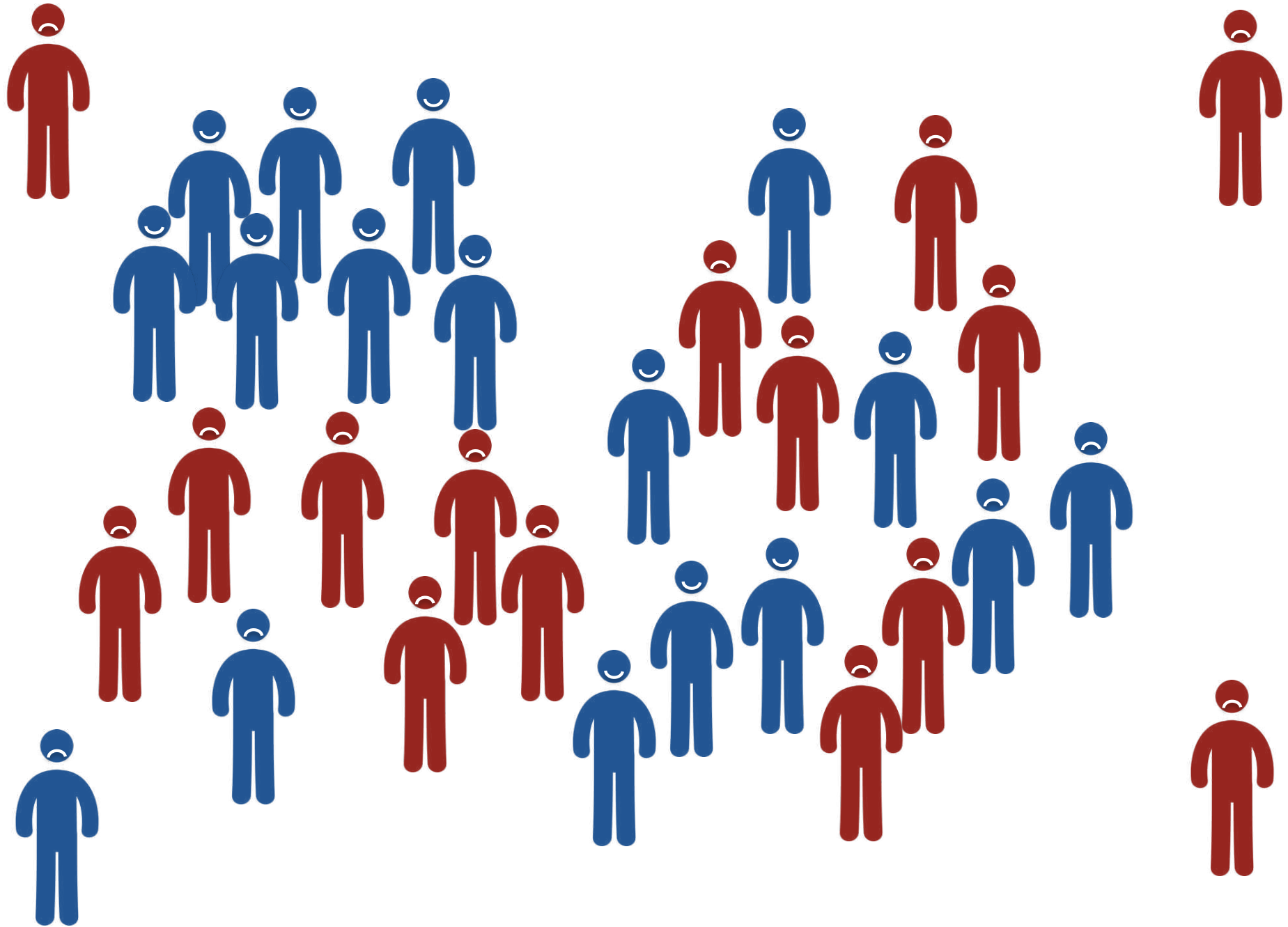


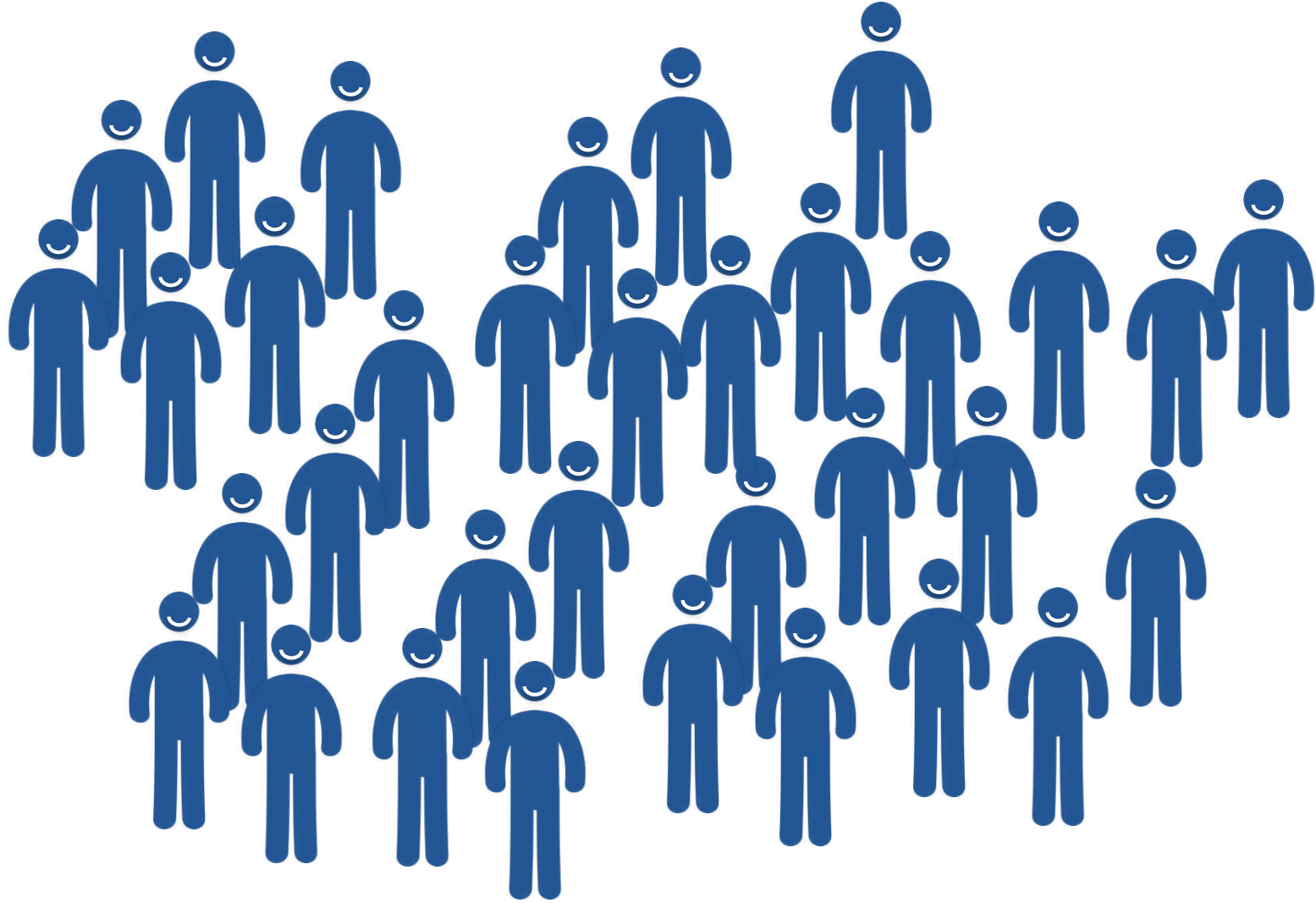
Nova avaliação individual





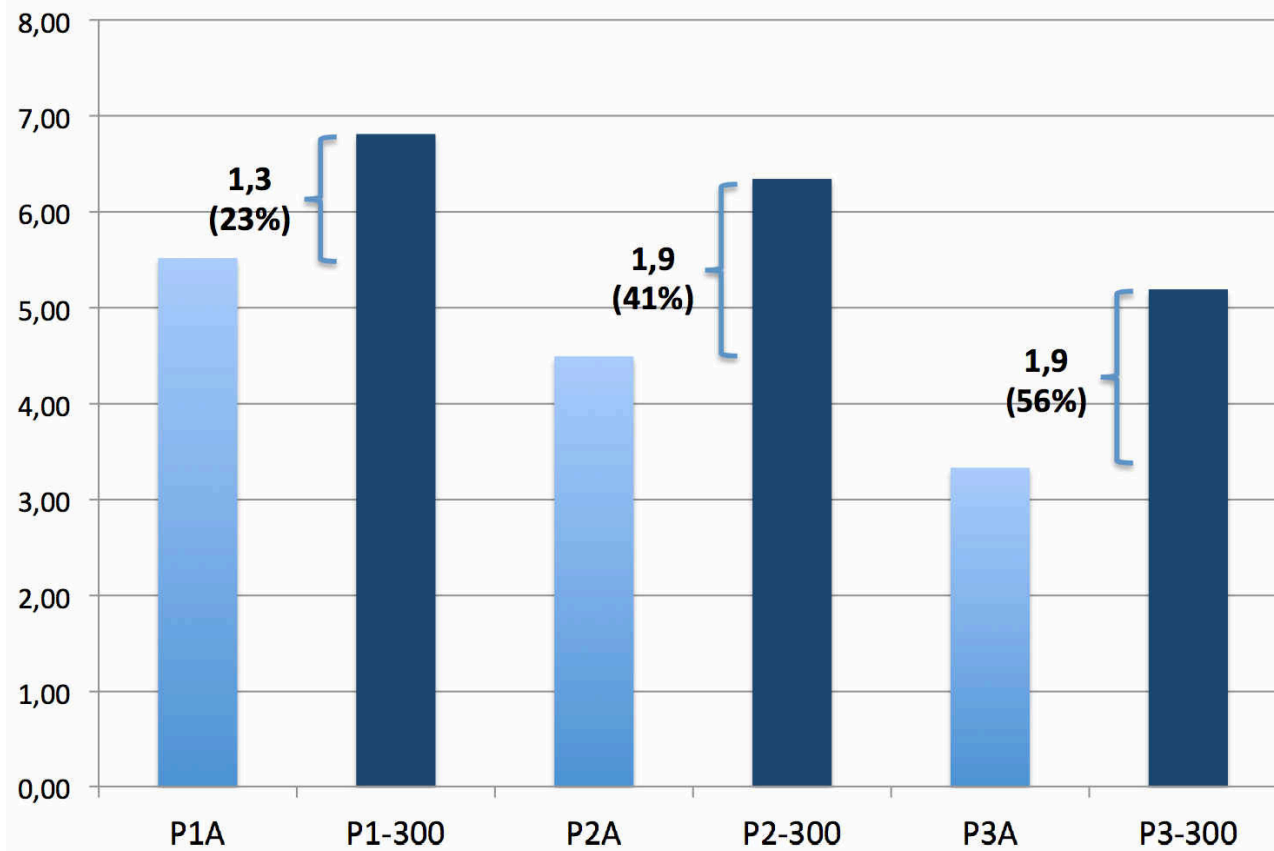




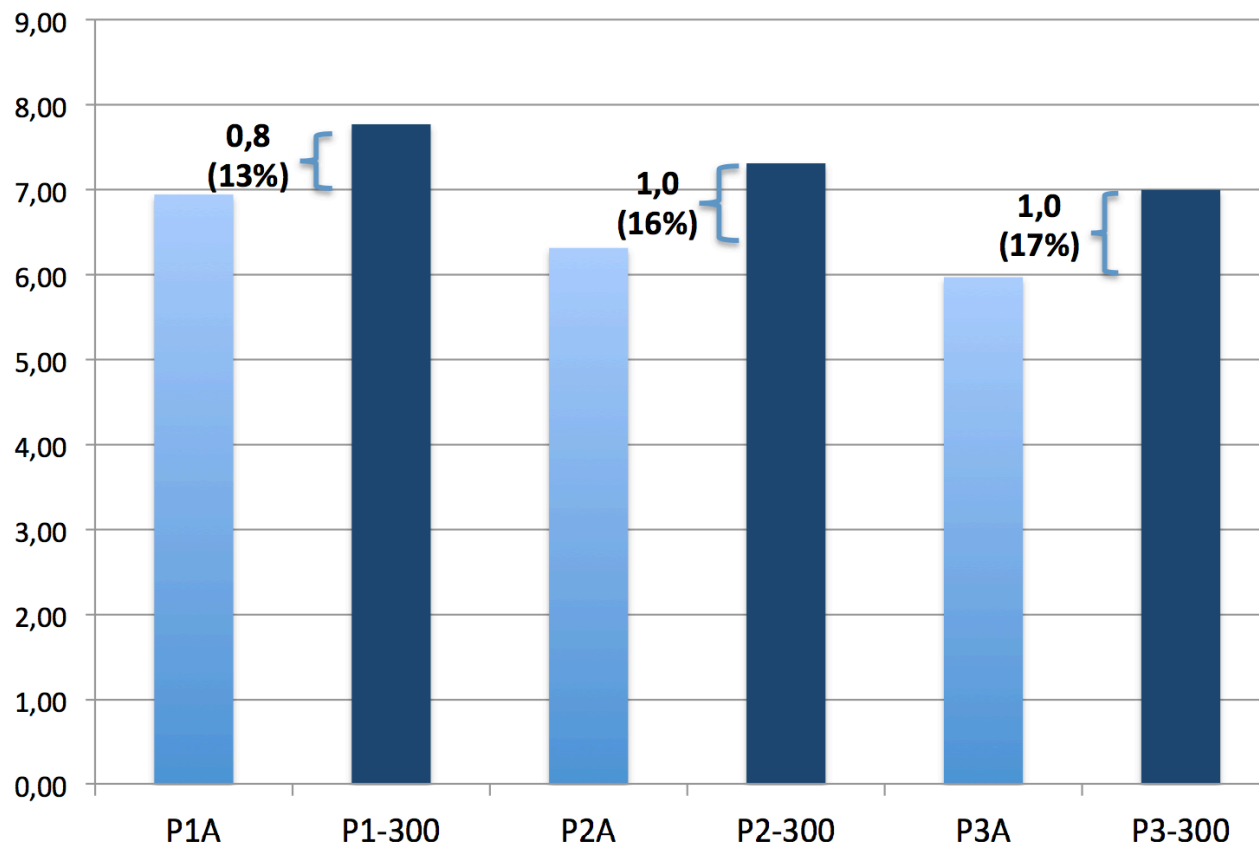


ANÁLISE DA MELHORA DOS TREZENTOS

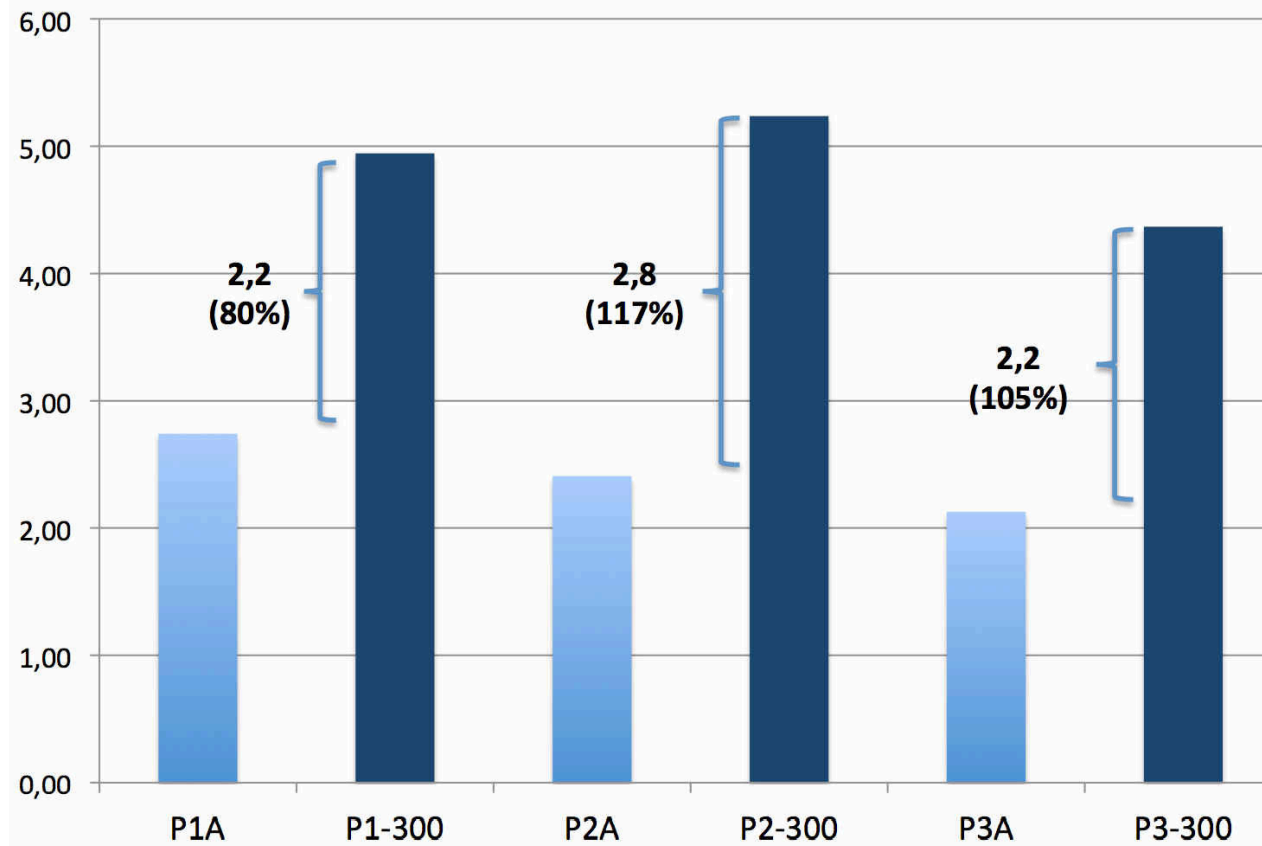
RESULTADO GERAL



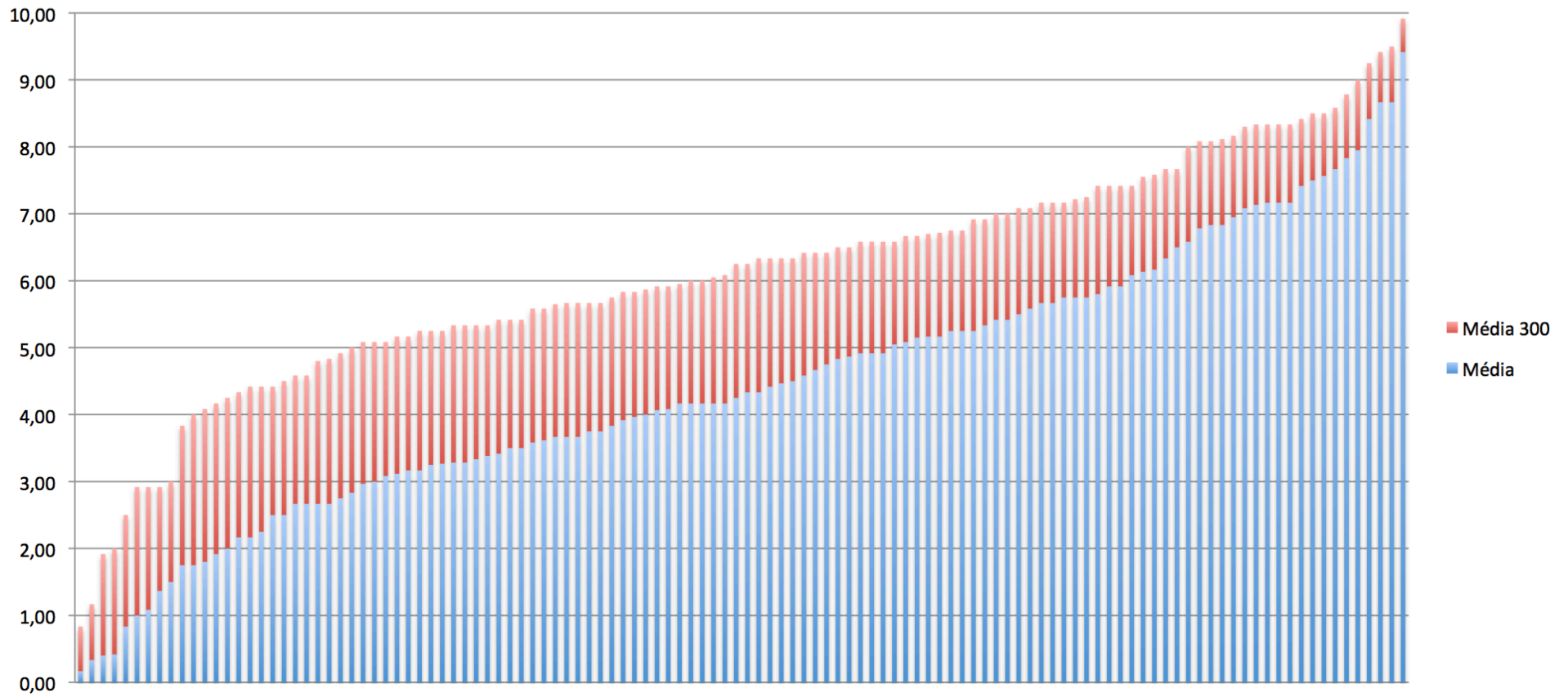
ANÁLISE DA MELHORA DOS TREZENTOS AJUDANTES



ANÁLISE DA MELHORA DOS TREZENTOS AJUDADOS



Trezentos



“

É valoroso ajudar quem está ao seu lado, vê-lo crescer e pensar que você contribuiu positivamente para a vida de uma pessoa. É valoroso ser ajudado por quem você nunca viu na vida, e ver o empenho dessa pessoa a fim de que você possa alcançar melhores resultados.

”

“

Achei interessante que ele beneficia não apenas o aluno que vai refazer a prova, mas aquele que está ajudando também. E não digo isso pelo ponto adicional que se pode conquistar.

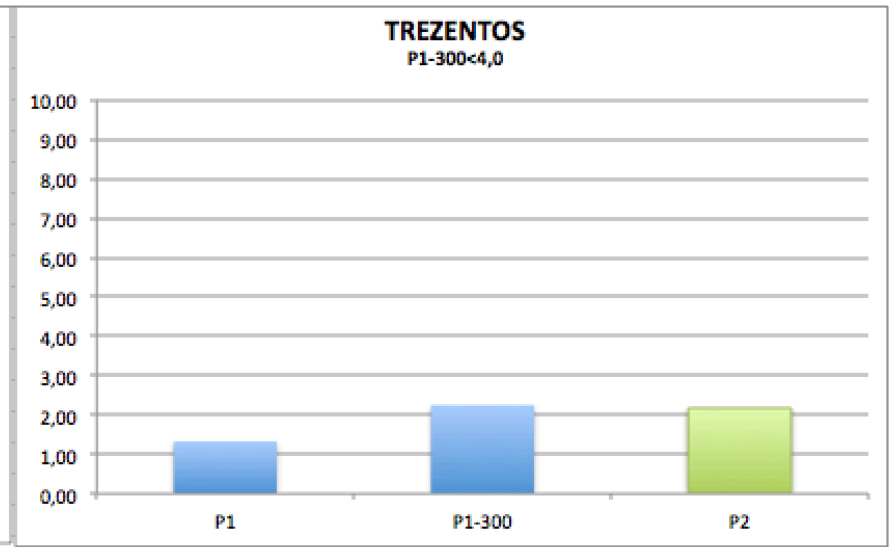
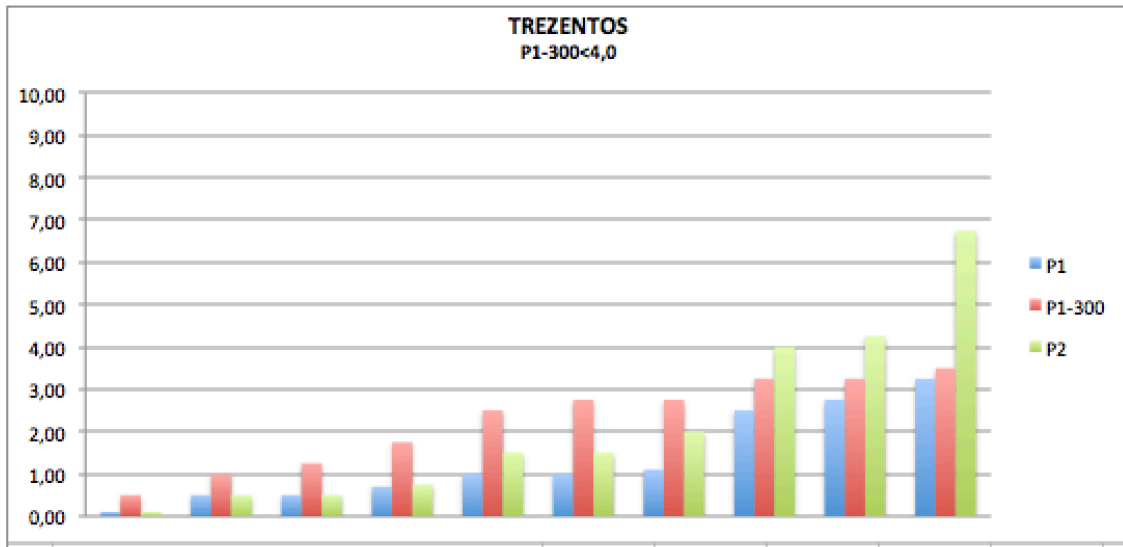
Pelo menos na minha experiência foi incrível porque descobri que adoro ensinar/ajudar os outros!

”

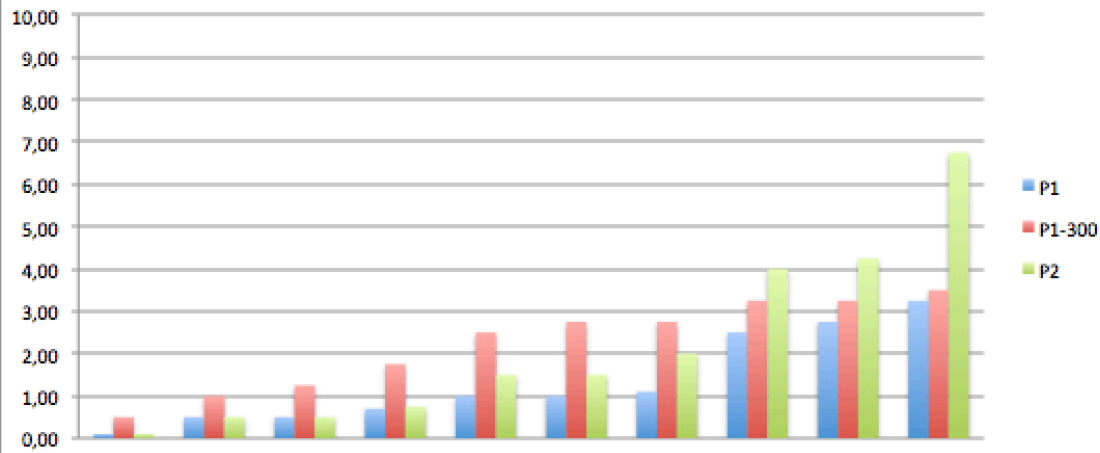
“

Foi excelente. Um exemplo de vida. Uma experiência pessoal riquíssima. Um prazer enorme. Foi como reaprender a aprender. Uma dívida de gratidão.

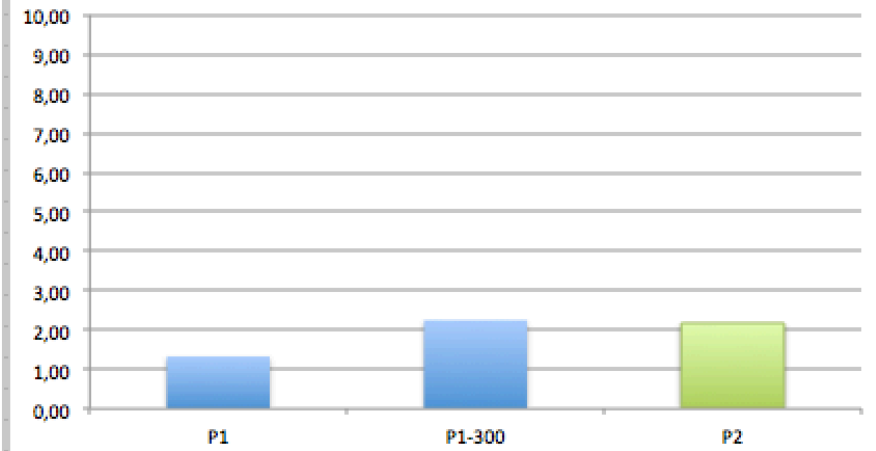
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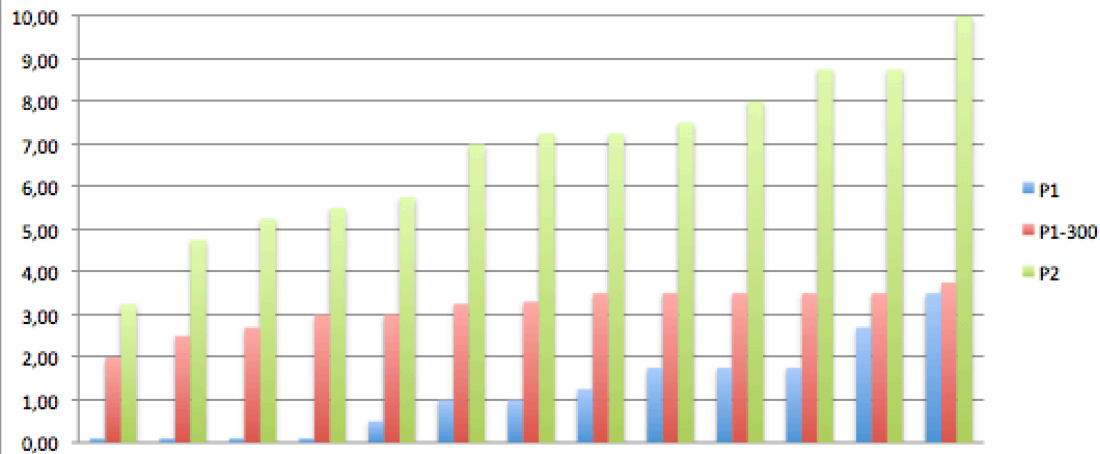
TREZENTOS
P1-300<4,0



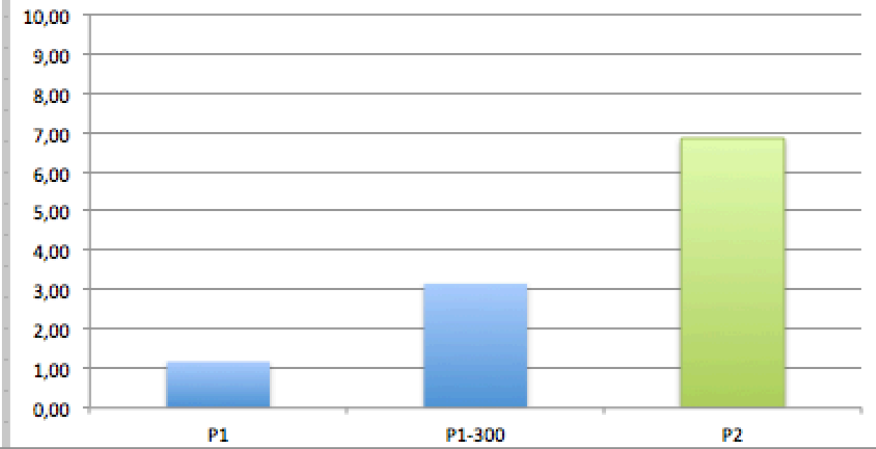
TREZENTOS
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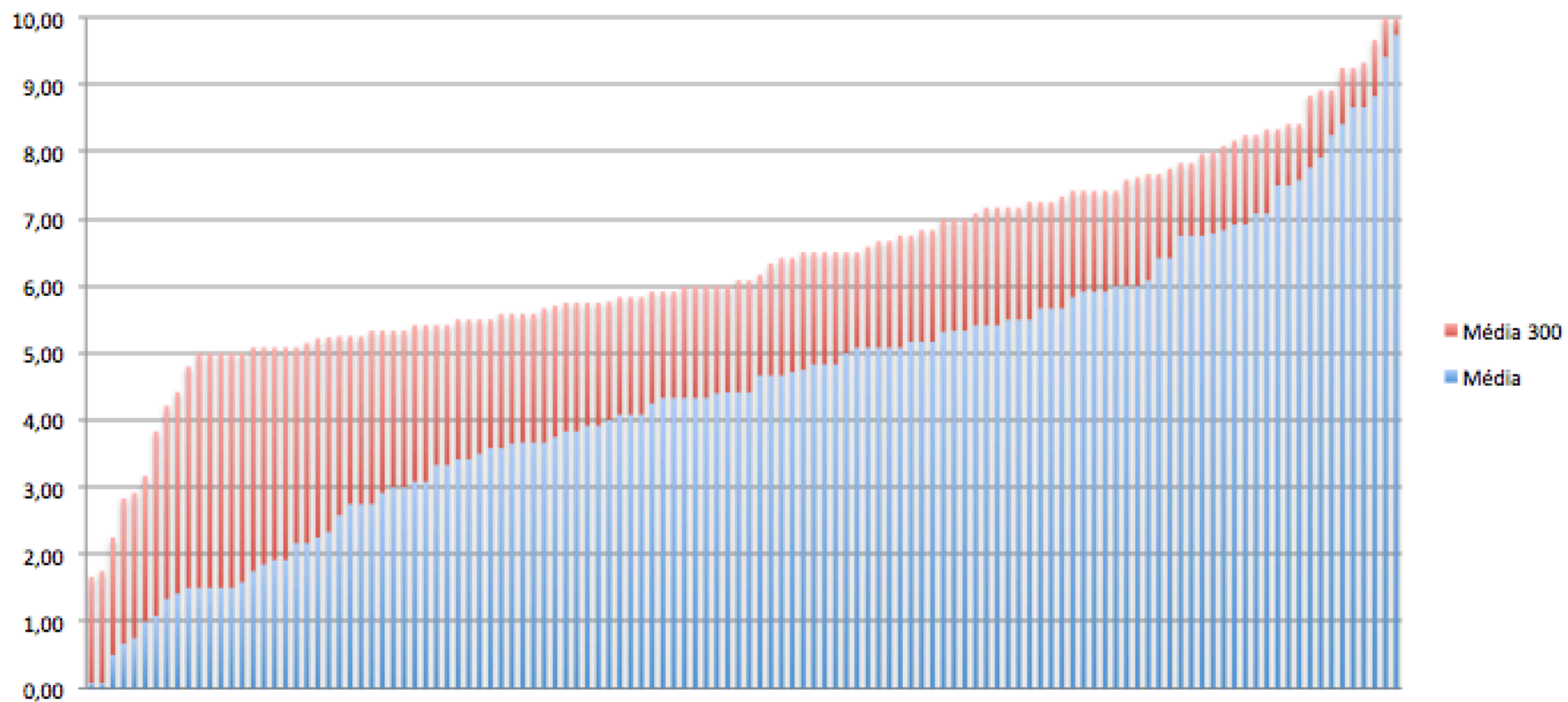
TREZENTOS TURBO
P1-300<4,0



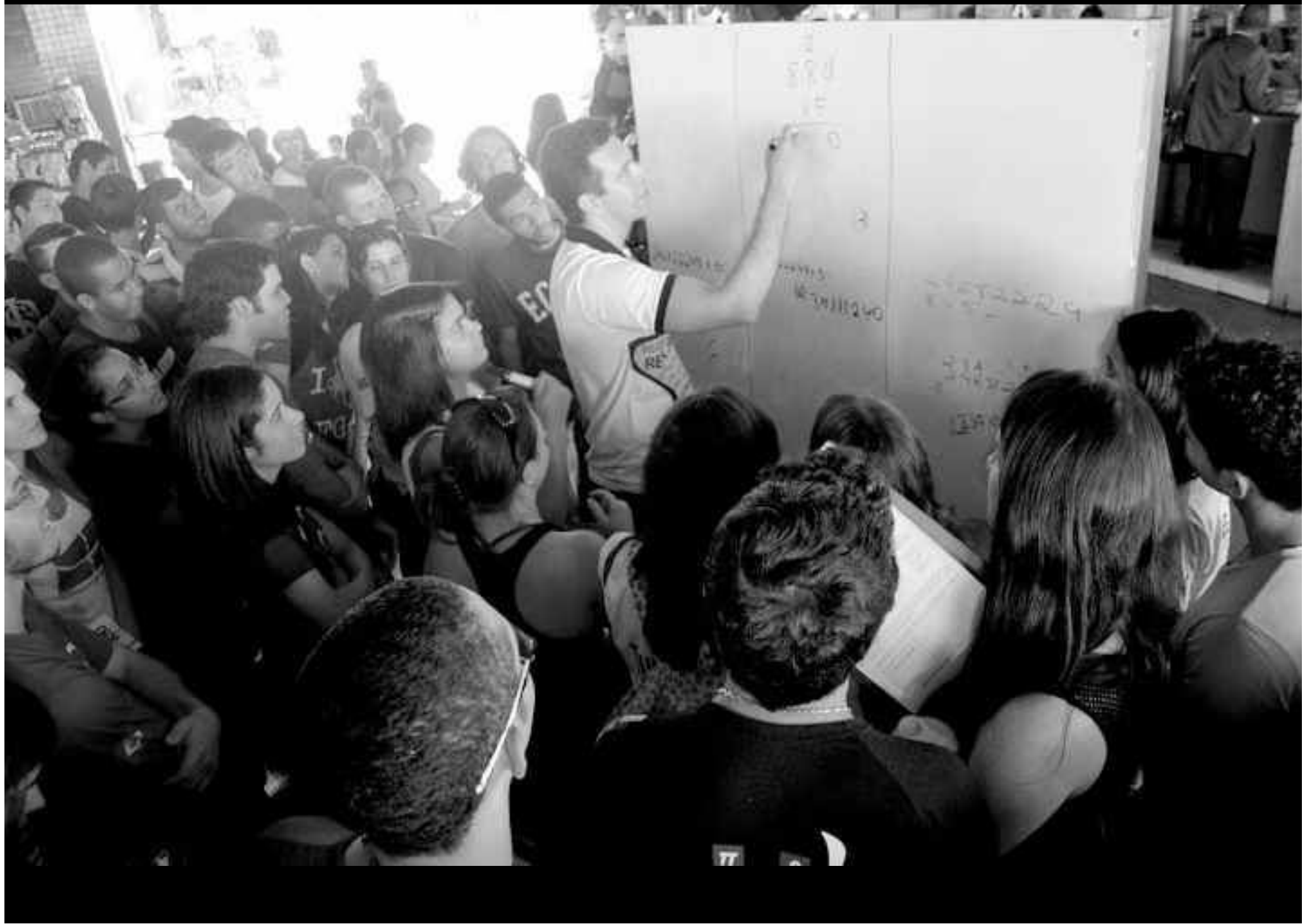
TREZENTOS TURBO
P1-300<4,0



Trezentos Turbo







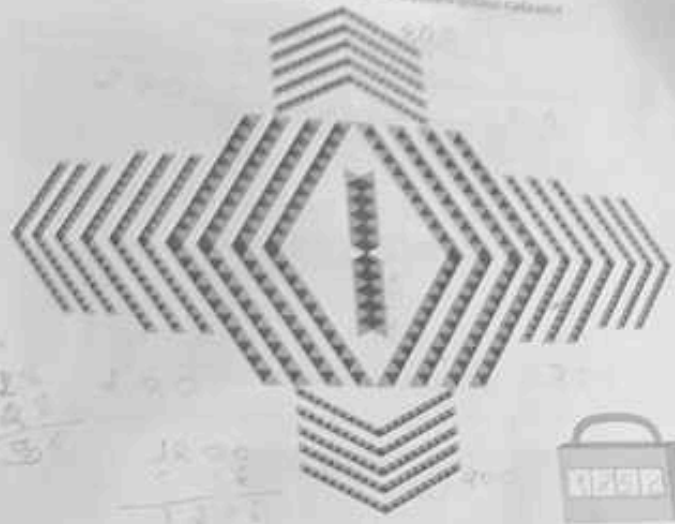




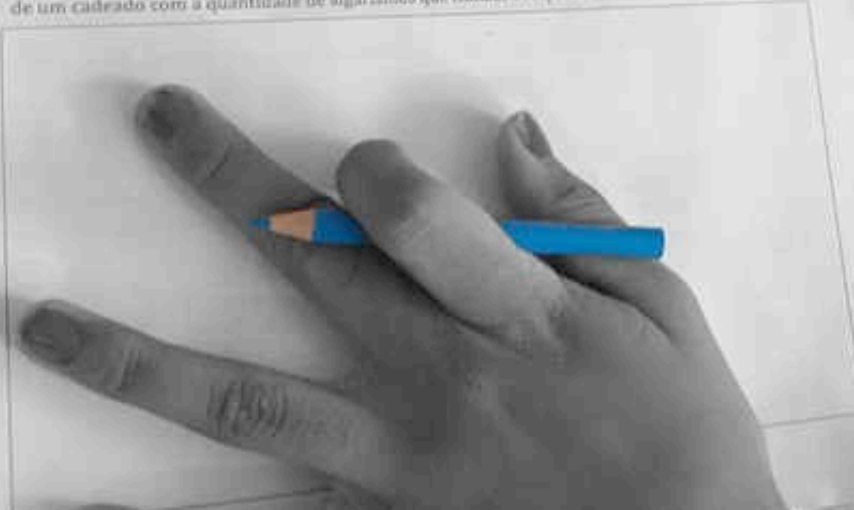
Rei da Derivada Solidário







Agora é sua vez, faça um enigma com triângulos para outra pessoa resolver! Faça também o desenho de um Cadeado com a quantidade de algarismos que contém a resposta.



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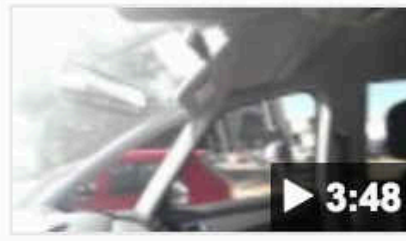
mathnames.com

youtube.com/user/rfragelli | facebook.com/prof.ricardo.fragelli

Procure por Ricardo Fragelli no youtube



Trezentos – Águias que cantam (TEDx)



Metodologia dos Trezentos



Metodologia dos Trezentos (com detalhes)