LaTeX TED Talk

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1 The fancy stuff

1.1 Correct matrix equations

1

$$\begin{pmatrix} 100 & -10 & 20 & -3 & 5 & 7 & 2 \\ 30 & 40 & 6 & 12 & -3 & 6 & 78 \\ 5 & -6 & 0 & 2 & 6 & 5 & 67 \\ -10 & 2 & 5 & 123 & 6 & -657 & 3 \\ 10 & 40 & 3 & 1 & -5 & 43 & 75 \\ 10 & 2 & 7 & 12 & -5 & 4 & 7 \end{pmatrix} \begin{pmatrix} -23 & 45 & 43 & -36 & 54 & -17 & 42 \\ 330 & -740 & 96 & 812 & 35 & -63 & 784 \\ 53 & 26 & 30 & -42 & 56 & 65 & -6 \\ 0 & -22 & 35 & 13 & 56 & 67 & -33 \\ 170 & 0 & 35 & -41 & 55 & -433 & 725 \\ 104 & 32 & -25 & 34 & 46 & 76 & 24 \\ 14 & -23 & 67 & 182 & 59 & 47 & 87 \end{pmatrix} = \begin{pmatrix} -2934 & 12664 & 3969 & -12202 \\ 14034 & -29960 & 10701 & 45827 \\ 383 & 3240 & 4283 & 7092 \\ -66111 & -25599 & 21053 & -18665 \\ 17801 & -29443 & 8170 & 47324 \\ -57899 & -6130 & -3489 & 19304 \\ 672 & -1550 & 1059 & 3065 \end{pmatrix}$$

1.2 Align math environment

$$\frac{a}{b} = 0 \tag{1}$$

$$x = y + z \tag{2}$$

$$x = 3 + z \tag{3}$$

header 1		leiheader 3	header	header	header 3	header 1	header 2	header 3
A 15	2	C1 ·	1	2	D 1	D 1 1 11	D 1 4 UM 1 D 1 2 U	37 11
A Dijiang	M	China	CHN	1992	Barcelona	Basketball	Basketball Men's Basketball	No medal
A Lamusi	M	China	CHN	2012	London	Judo	Judo Men's Extra-Lightweight	No medal
Gunnar	M	Denmark	DEN	1920	Antwerpen	Football	Football Men's Football	No medal
Aaby		D 1/0	155		.			~
Edgar	Μ	Denmark/Swe	ed en EN	1900	Paris	Tug-Of-	Tug-Of-War Men's Tug-Of-War	Gold
Aabye	_				_	War		
Cornelia	F	Netherlands	NED	1932	Los	Athletics	Athletics Women's 100 metres	No medal
(-					Angeles			
strannood)	_				_			
Cornelia	F	Netherlands	NED	1932	Los	Athletics	Athletics Women's 4 x 100 me-	No medal
(-					Angeles		tres Relay	
strannood)								
Einar	\mathbf{M}	Finland	FIN	1952	Helsinki	Swimming	Swimming Men's 400 metres	No medal
Aalto							Freestyle	
Jyri	Μ	Finland	FIN	2000	Sydney	Badminton	Badminton Men's Singles	No medal
Aalto								
$_{ m Minna}$	F	Finland	FIN	1996	Atlanta	Sailing	Sailing Women's Windsurfer	No medal
Aalto								
$_{ m Minna}$	F	Finland	FIN	2000	Sydney	Sailing	Sailing Women's Windsurfer	No medal
Aalto								
Arvo Aal-	Μ	Finland	FIN	1912	Stockholm	Swimming	Swimming Men's 200 metres	No medal
tonen							Breaststroke	
Arvo Aal-	Μ	Finland	FIN	1912	Stockholm	Swimming	Swimming Men's 400 metres	No medal
tonen							Breaststroke	
Arvo Aal-	Μ	Finland	FIN	1920	Antwerpen	Swimming	Swimming Men's 200 metres	Bronze
tonen							Breaststroke	
Arvo Aal-	Μ	Finland	FIN	1920	Antwerpen	Swimming	Swimming Men's 400 metres	Bronze
tonen							Breaststroke	
Arvo Aal-	Μ	Finland	FIN	1924	Paris	Swimming	Swimming Men's 200 metres	No medal
tonen							Breaststroke	
Paavo	Μ	Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Individual	Bronze
Aaltonen							All-Around	
Paavo	Μ	Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Team All-	Gold
Aaltonen						v	Around	
Paavo	Μ	Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Floor Exer-	No medal
Aaltonen						v	cise	
Paavo	Μ	Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Horse Vault	Gold
Aaltonen							•	
Paavo	Μ	Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Parallel Bars	No medal
Aaltonen	-					,	,	
Paavo	Μ	Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Horizontal	No medal
Aaltonen				10 10		J. 11111000100	Bar	1.0 1110001
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Paavo		Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Rings	No medal
Aaltonen Paavo Aaltonen	M	Finland	FIN	1948	London	Gymnastics	Gymnastics Men's Pommelled Horse	Gold
Paavo Aaltonen	Μ	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Individual All-Around	No medal
Paavo Aaltonen	M	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Team All- Around	Bronze
Paavo Aaltonen	Μ	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Floor Exercise	No medal
Paavo Aaltonen	M	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Horse Vault	No medal
Paavo Aaltonen	M	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Parallel Bars	No medal
Paavo Aaltonen	Μ	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Horizontal Bar	No medal
Paavo Aaltonen	Μ	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Rings	No medal
Paavo Aaltonen	Μ	Finland	FIN	1952	Helsinki	Gymnastics	Gymnastics Men's Pommelled Horse	No medal
$egin{array}{l} { m Timo} \\ { m Aaltonen} \end{array}$	Μ	Finland	FIN	2000	Sydney	Athletics	Athletics Men's Shot Put	No medal
Win Aal- tonen	Μ	Finland	FIN	1948	London	Art Competitions	Art Competitions Mixed Sculpturing, Unknown Event	No medal
Ragnhild Aamodt	F	Norway	NOR	2008	Beijing	Handball	Handball Women's Handball	Gold
Andreea Aanei	F	Romania	ROU	2016	Rio de Janeiro		gWeightlifting Women's Super- Heavyweight	No medal
$egin{array}{l} ext{Fritz} \ ext{Aanes} \end{array}$	Μ	Norway	NOR	2000	Sydney	Wrestling	Wrestling Men's Light- Heavyweight, Greco-Roman	No medal
Fritz Aanes	Μ	Norway	NOR	2004	Athina	Wrestling	Wrestling Men's Light- Heavyweight, Greco-Roman	No medal
Alf Aan- ning	Μ	Norway	NOR	1920		•	Gymnastics Men's Team All- Around, Free System	Silver
Johan Aantjes	M	Netherlands	NED	1984	Los Angeles	Water Polo	Water Polo Men's Water Polo	No medal
Jan-Erik Aarberg	Μ	Norway	NOR	1968	Mexico City	Sailing	Sailing Mixed Three Person Keelboat	No medal
Jan-Erik Aarberg	М	Norway	NOR	1972	Munich	Sailing	Sailing Mixed Three Person Keelboat	No medal
Willemien Aarden-	F	Netherlands	NED	1988	Seoul	Hockey	Hockey Women's Hockey	Bronze
burg Pepijn Aardewijn	Μ	Netherlands	NED	1996	Atlanta	Rowing	Rowing Men's Lightweight Double Sculls	Silver
Pepijn Aardewijn	Μ	Netherlands	NED	2000	Sydney	Rowing	Rowing Men's Lightweight Double Sculls	No medal
Evald (rman-)	M	Estonia	EST	1936	Berlin	Athletics	Athletics Men's Pole Vault	No medal
Olav Aarnes	Μ	Norway	NOR	1912	Stockholm	Athletics	Athletics Men's High Jump	No medal
Mika Aarnikka	M	Finland	FIN	1992	Barcelona	Sailing	Sailing Men's Two Person Dinghy	No medal
Mika Aarnikka	Μ	Finland	FIN	1996	Atlanta	Sailing	Sailing Men's Two Person Dinghy	No medal
Jamale (ahrass-)	Μ	France	FRA	2012	London	Athletics	Athletics Men's 1,500 metres	No medal
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Stefan Aartsen	M	Netherlands	NED	1996	Atlanta	Swimming	Swimming Men's 100 metres Butterfly	No medal
Stefan Aartsen	M	Netherlands	NED	1996	Atlanta	Swimming	Swimming Men's 200 metres Butterfly	No medal
Stefan Aartsen	M	Netherlands	NED	1996	Atlanta	Swimming	Swimming Men's 4 x 100 metres Medley Relay	No medal
Stefan Aartsen	M	Netherlands	NED	2000	Sydney	Swimming	Swimming Men's 100 metres Butterfly	No medal
Stefan Aartsen	M	Netherlands	NED	2000	Sydney	Swimming	Swimming Men's 200 metres Butterfly	No medal
Ann Aarnes	F	Norway	NOR	1996	Atlanta	Football	Football Women's Football	Bronze
Karl Aas	M	Norway	NOR	1920	Antwerpen	Gymnastics	Gymnastics Men's Team All- Around, Free System	Silver
Lars Aas	${\bf M}$	Norway	NOR	1912	Stockholm	Fencing	Fencing Men's Foil, Individual	No medal
Lars Aas	M	Norway	NOR	1912	Stockholm	Fencing	Fencing Men's epee, Individual	No medal
Lars Aas	M	Norway	NOR	1912	Stockholm	Fencing	Fencing Men's epee, Team	No medal
Rolf Aas	M	Norway	NOR	1912	Antwerpen	0	Football Men's Football	No medal
		v			_			
Thomas Aas	M	Taifun	NOR	1912	Stockholm	Sailing	Sailing Mixed 8 metres	Gold
Morten Aasen	M	Norway	NOR	1992	Barcelona		shquestrianism Mixed Jumping, Individual	No medal
Hakon Aasns	M	Norway	NOR	1936	Berlin	Shooting	Shooting Men's Small-Bore Rifle, Prone, 50 metres	No medal
Hans Aasns	M	Norway	NOR	1936	Berlin	Shooting	Shooting Men's Rapid-Fire Pistol, 25 metres	No medal
Hans Aasns	Μ	Norway	NOR	1948	London	Shooting	Shooting Men's Rapid-Fire Pistol, 25 metres	No medal
Hans Aasns	М	Norway	NOR	1952	Helsinki	Shooting	Shooting Men's Trap	No medal
Hans Aasns	М	Norway	NOR	1956	Melbourne	Shooting	Shooting Men's Trap	No medal
Hans Aasns	М	Norway	NOR	1960	Roma	Shooting	Shooting Men's Trap	No medal
Erling Aastad	М	Norway	NOR	1920	Antwerpen		Athletics Men's 4 x 100 metres Relay	No medal
Erling Aastad	М	Norway	NOR	1920	Antwerpen	Athletics	Athletics Men's Long Jump	No medal
Erling Aastad	М	Norway	NOR	1924	Paris	Athletics	Athletics Men's Long Jump	No medal
Erling Aastad	М	Norway	NOR	1928	Amsterdam		Athletics Men's Long Jump	No medal
Abdelhak Aatakni	Μ	Morocco	MAR	2012	London	Boxing	Boxing Men's Light- Welterweight	No medal
Moonika Aava	F	Estonia	EST	2004	Athina	Athletics	Athletics Women's Javelin Throw	No medal
Moonika Aava	F	Estonia	EST	2008	Beijing	Athletics	Athletics Women's Javelin Throw	No medal
Arvi Aavik	M	Estonia	EST	1992	Barcelona	Wrestling	Wrestling Men's Heavyweight, Freestyle	No medal
Arvi Aavik	M	Estonia	EST	1996	Atlanta	Wrestling	Wrestling Men's Heavyweight, Freestyle	No medal
Nstor Sanjun	M	Spain	ESP	2016	Rio de Janeiro	Gymnastics	Gymnastics Men's Individual All-Around	No medal
Nstor Sanjun	M	Spain	ESP	2016	Rio de Janeiro	Gymnastics	Gymnastics Men's Floor Exercise	No medal
Nstor Sanjun	M	Spain	ESP	2016	Rio de Janeiro	Gymnastics	Gymnastics Men's Parallel Bars	No medal
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Nstor	Μ	Spain	ESP	2016	Rio de	Gymnastics	Gymnastics Men's Horizontal	No medal
Sanjun	3.1	o .	Dan	2016	Janeiro	<i>C</i>	Bar	NT 1.1
Nstor	M	Spain	ESP	2016	Rio de	Gymnastics	Gymnastics Men's Rings	No medal
Sanjun	3.1	О .	DOD	0016	Janeiro	<i>a</i>		NT 1.1
Nstor	M	Spain	ESP	2016	Rio de	Gymnastics	Gymnastics Men's Pommelled	No medal
Sanjun	3.1	П	DD 4	1050	Janeiro	A . 1 1	Horse	NT 1.1
Patrick	M	France	FRA	1976	Montreal	Athletics	Athletics Men's Pole Vault	No medal
Abada	3.1	D .	DOM	2000	G 1	m 1 1		NT 1.1
Talaat	M	Egypt	EGY	2000	Sydney	Taekwondo	Taekwondo Men's Flyweight	No medal
Abada	3.1	т	IDI	1040	т 1	D .	D . M . H	NT 1.1
Mohamed	Μ	Iran	IRI	1948	London	Boxing	Boxing Men's Heavyweight	No medal
Abadi	3. f	α .	EGD	0016	D: 1	A . 1 1	A.11. M F.000	NT 1.1
Antonio	M	Spain	ESP	2016	Rio de	Athletics	Athletics Men's 5,000 metres	No medal
Beci	3. f	T	FRA	1056	Janeiro	C1:	Caraliana Manaka Danad Danad Indi	NT 1 - 1
Ren Abadie	М	France	ГКА	1956	Melbourne	Cycling	Cycling Men's Road Race, Indi-	No medal
	3. f	T	FRA	1056	M-11	C1:	vidual	Gold
Ren	M	France	ГКА	1956	Melbourne	Cycling	Cycling Men's Road Race, Team	Gold
Abadie Borislav	3. f	D1:-	DIII	1000	C 1	D	D M I:l-+	NT 1 - 1
Abadzhiev	М	Bulgaria	BUL	1988	Seoul	Boxing	Boxing Men's Light- Welterweight	No medal
Georgi	Μ	Bulgaria	BUL	1924	Paris	Cycling	Cycling Men's Road Race, Indi-	No model
Abadzhiev	IVI	Dulgaria	DUL	1924	rans	Cycling	vidual	No medal
Georgi	Μ	Bulgaria	BUL	1924	Paris	Cycling	Cycling Men's Road Race, Team	No medal
Abadzhiev	IVI	Dulgaria	DUL	1924	rans	Cycling	Cycling Men's Road Race, Team	No medai
Ivan	Μ	Bulgaria	BUL	1956	Melbourne	Weightliftin	gWeightlifting Men's Lightweight	No medal
Abadzhiev	IVI	Dulgaria	DUL	1950	Meibourne	weightilltill	gweightinting Men's Lightweight	no medai
Ivan	Μ	Bulgaria	BUL	1960	Roma	Weightliftin	gWeightlifting Men's Mid-	No medal
Abadzhiev	IVI	Dulgaria	DOL	1900	поша	weightimin	dleweight	No medai
Mikhail	Μ	Bulgaria	BUL	1960	Roma	Weightliftin	gWeightlifting Men's Mid-	No medal
Abadzhiev	11/1	Dulgaria	DOL	1300	Ttoma	vveignimim	dleweight	100 medai
Stefan	Μ	Bulgaria	BUL	1960	Roma	Football	Football Men's Football	No medal
Abadzhiev	111	Dalgaria	DOL	1300	rtoma	10000411	1 ootball Well's 1 ootball	110 medar
Giovanni	Μ	Italy	ITA	2016	Rio de	Rowing	Rowing Men's Coxless Pairs	Bronze
Abagnale	111	rowry	1111	2010	Janeiro	rowing	Towing Men & Coxicos 1 and	Dionze
Jos Gmez	Μ	Spain	ESP	2008	Beijing	Fencing	Fencing Men's epee, Individual	Bronze
M'Bairo	M	Chad	CHA	1992	Barcelona	Judo	Judo Men's Half-Middleweight	No medal
Abakar	111	Jilad	O11/1	1002	Darcoona	Judo	outo mon o man middleweight	110 medai
Patimat	F	Azerbaijan	AZE	2016	Rio de	Taekwondo	Taekwondo Women's Flyweight	Bronze
Abakarova	-	- 1201 - 001 0011		_010	Janeiro			2101120
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