

SCORESHEET

REPORTER Start from 1 and add/subtract

$$1 + 4 + 2 - 1 = 6$$

stage: 3 fight (round no.): 2
 reporter: PATRICK opponent: THOMAS

room: G problem no.: 13
 reviewer: MARGTRO

Juror's name: PHIL O'NEILL
 signature: *Phil O'Neill*

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 almost no	too few	almost no, chaotic	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long -1 some incorrect, inconclusive or too long -2 deeply incorrect or show deep misconceptions
1 some	some	some	some	review of sources, cited	partly	1 only technical	some	avoided some questions	
2 fair	fair	fair	not well fitting	some own input	average	2 some scientific points cleared	many	cooperated well	
3 good	good	well performed, sufficient number	deviations	some interesting results	interesting solution	3 interesting points	+ data/theory	answered directly	
4 detailed demonstrative	quite detailed correct	+ results explained errors analysed	qualitatively analysed	considerable experimental or theoretical	some aspects above average	4 discussed	convincingly supported	to most questions	
5 deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	+ theory limits explained, conclusive	considerable experimental and theoretical	greater extent than expected	5 brought in new physics	proved deep understanding	efficient, productive	

NOTES:

OPPONENT Start from 1 and add/subtract

$$1 + 2 + 3 + 3 - 0 = 9$$

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 almost no, irrelevant	1 some relevant, aimed at resolving some unclear points	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 almost no, irrelevant	some relevant, aimed at resolving some unclear points	0 almost no	almost nothing	no or irrelevant	almost no	no	0 almost no	irrelevant	very little	almost no	no	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long -1 some incorrect, inconclusive or too long -2 deeply incorrect or show deep misconceptions
1 some relevant, aimed at resolving some unclear points	short allowing short answers, prioritized, all time used	1 very little	some main points	few	some	almost no	1 little	some	some	to some extent	almost no	
2 short allowing short answers, prioritized, all time used		2 not all	main points	some	to important topics	some	2 partial	average	some correct	leading or cooperative	some	
		3 almost all	all relevant points	many	to most topics	reasonable	3 good	many	many correct	quite efficient	reasonable	
		4 all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER Start from 1 and add/subtract

$$1 + 1 + 1\frac{1}{2} + 1\frac{1}{2} - 0 = 5$$

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0 too few, mostly irrelevant	1 some relevant, sufficient number, could clear things out	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 too few, mostly irrelevant	some relevant, sufficient number, could clear things out	0 poor	almost no	too few	irrelevant	no	0 poor	almost no	too few	irrelevant	no	0 concise and correct or no questions asked 1 some incorrect, inconclusive or too long -1 some incorrect, inconclusive or too long -2 deeply incorrect or show deep misconceptions
1 some relevant, sufficient number, could clear things out	most time used, many unclear points resolved, aimed at both rep. and opp.	1 partial	too short/long	some	partially relevant	almost no	1 too short/long	too short/long	some	partially relevant	almost no	
2 most time used, many unclear points resolved, aimed at both rep. and opp.	+short, apt and clear, well prioritized time managed efficiently	2 good	relevant parts	many	mostly adequate	some	2 informative, apt	relevant parts	many	mostly adequate	some	
		3 detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

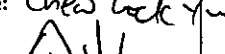
REPORTER Start from 1 and add/subtract
 1 + **3** + **3** - **0** = **7**

stage: **3**
 reporter: **Canada**

fight (round no.): **2**
 opponent: **Brazil**

room: **G**
 reviewer: **Ukraine**

problem no.: **13**

Juror's name: **Chew back you**
 signature: 

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 <input type="checkbox"/> almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 <input type="checkbox"/> almost no	too few	almost no, chaotic	
1 <input type="checkbox"/> some	some	some	some	review of sources, cited	partly	1 <input type="checkbox"/> only technical	some	avoided some questions	
2 <input type="checkbox"/> fair	fair	fair	not well fitting	some own input	average	2 <input type="checkbox"/> points cleared	many	cooperated well	
3 <input checked="" type="checkbox"/> good	good	well performed, sufficient number	deviations qualitatively analysed	some interesting results	interesting solution	3 <input type="checkbox"/> interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
4 <input type="checkbox"/> detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	4 <input type="checkbox"/> brought in new physics	proved deep understanding	efficient, productive	
5 <input type="checkbox"/> deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected				

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + **2** + **2** + **3** - **0** = **8**

QUESTIONS ASKED	OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 <input type="checkbox"/> almost no, irrelevant	0 <input type="checkbox"/> almost no	almost nothing	no or irrelevant	almost no	no	0 <input type="checkbox"/> almost no	irrelevant	very little	almost no	no	
1 <input type="checkbox"/> some relevant, aimed at resolving some unclear points	1 <input type="checkbox"/> very little	some main points	few	some	almost no	1 <input type="checkbox"/> little	some	some	to some extent	almost no	
2 <input type="checkbox"/> short allowing short answers, prioritized, all time used	2 <input type="checkbox"/> not all	main points	some	to important topics	some	2 <input type="checkbox"/> partial	average	some correct	leading or cooperative	some	
	3 <input checked="" type="checkbox"/> almost all	all relevant points	many	to most topics	reasonable	3 <input type="checkbox"/> good	many	many correct	quite efficient	reasonable	
	4 <input type="checkbox"/> all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 <input type="checkbox"/> new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + **1** + **1.5** + **1.5** - **0** = **5**

QUESTIONS ASKED	REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 <input type="checkbox"/> too few, mostly irrelevant	0 <input type="checkbox"/> poor	almost no	too few	irrelevant	no	0 <input type="checkbox"/> poor	almost no	too few	irrelevant	no	
1 <input checked="" type="checkbox"/> clear things out	1 <input type="checkbox"/> partial	too short/long	some	partially relevant	almost no	1 <input type="checkbox"/> too short/long	too short/long	some	partially relevant	almost no	
2 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp.	2 <input type="checkbox"/> good	relevant parts	many	mostly adequate	some	2 <input type="checkbox"/> informative, apt	relevant parts	many	mostly adequate	some	
3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently	3 <input type="checkbox"/> detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 <input type="checkbox"/> brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

REPORTER

Start from 1 and add/subtract

$$1 + \boxed{3} + \boxed{1.75} - \boxed{0} = \boxed{6}$$

stage: ~~3~~
reporter: *Canada*

fight (round no.): 2
opponent: *Brasil*

room: *G*
reviewer: *Ukraine*

problem no.: 13

Juror's name: *Peter Boross*
signature: *Born Rete*

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 --- almost no	too few	almost no, chaotic	
1 --- some	some	some	some	review of sources, cited	partly	1 --- only technical	some	avoided some questions	
2 --- fair	fair	fair	not well fitting	some own input	average	2 --- some scientific points cleared	many	cooperated well	
3 --- good	good	well performed, sufficient number	deviations	some interesting results	interesting solution	3 --- interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
4 --- detailed demonstrative	quite detailed, correct	+ results explained errors analysed	qualitatively analysed	considerable experimental or theoretical	some aspects above average	4 --- brought in new physics	proved deep understanding	efficient, productive	
5 --- deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	+ theory limits explained, conclusive	well fitting, deviations analysed, conclusive	greater extent than expected				

NOTES: *no citation*

OPPONENT

Start from 1 and add/subtract

$$1 + \boxed{1} + \boxed{2.5} + \boxed{2} - \boxed{0} = \boxed{7}$$

QUESTIONS ASKED		POSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 --- almost no, irrelevant	1 --- some relevant, aimed at resolving some unclear points	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
2 --- short allowing short answers, prioritized, all time used		0 --- almost no	almost nothing	no or irrelevant	almost no	no	0 --- almost no	irrelevant	very little	almost no	no	
		1 --- very little	some main points	few	some	almost no	1 --- little	some	some	to some extent	almost no	
		2 --- not all	main points	some	to important topics	some	2 --- partial	average	some correct	leading or cooperative	some	
		3 --- almost all	all relevant points	many	to most topics	reasonable	3 --- good	many	many correct	quite efficient	reasonable	
		4 --- all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 --- new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER

Start from 1 and add/subtract

$$1 + \boxed{0.75} + \boxed{1.75} + \boxed{2} - \boxed{0} = \boxed{6}$$

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0 --- too few, mostly irrelevant	1 --- some relevant, sufficient number, could clear things out	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
2 --- most time used, many unclear points resolved, aimed at both rep. and opp.		0 --- poor	almost no	too few	irrelevant	no	0 --- poor	almost no	too few	irrelevant	no	
3 --- +short, apt and clear, well prioritized time managed efficiently		1 --- partial	too short/long	some	partially relevant	almost no	1 --- too short/long	too short/long	some	partially relevant	almost no	
		2 --- good	relevant parts	many	mostly adequate	some	2 --- informative, apt	relevant parts	many	mostly adequate	some	
		3 --- detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 --- brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 3 + 2 - 0 = 6

stage: 3
 reporter: GA

fight (round no.): 2
 opponent: DR

room: A
 reviewer: UA

problem no.: 13

Juror's name: kin long Au
 signature: Chris

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> no/ almost no	0 <input type="checkbox"/> others' data, incorrectly cited	0 <input type="checkbox"/> misunderstood	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> almost no, chaotic	
1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> review of sources, cited	1 <input type="checkbox"/> partly	1 <input type="checkbox"/> only technical	1 <input checked="" type="checkbox"/> some	1 <input type="checkbox"/> avoided some questions	
2 <input type="checkbox"/> fair	2 <input type="checkbox"/> fair	2 <input type="checkbox"/> fair	2 <input type="checkbox"/> not well fitting	2 <input type="checkbox"/> some own input	2 <input type="checkbox"/> average	2 <input type="checkbox"/> some scientific	2 <input type="checkbox"/> many	2 <input type="checkbox"/> cooperated well	
3 <input checked="" type="checkbox"/> good	3 <input checked="" type="checkbox"/> good	3 <input type="checkbox"/> well performed, sufficient number	3 <input type="checkbox"/> deviations qualitatively analysed	3 <input checked="" type="checkbox"/> some interesting results	3 <input type="checkbox"/> interesting solution	3 <input type="checkbox"/> interesting points	3 <input type="checkbox"/> + data/theory convincingly supported	3 <input type="checkbox"/> answered directly	
4 <input checked="" type="checkbox"/> detailed demonstrative	4 <input checked="" type="checkbox"/> quite detailed, correct	4 <input type="checkbox"/> + results explained	4 <input type="checkbox"/> + theory limits explained, conclusive	4 <input type="checkbox"/> considerable experimental or theoretical	4 <input type="checkbox"/> some aspects above average	4 <input type="checkbox"/> discussed	4 <input type="checkbox"/> proved deep understanding	4 <input type="checkbox"/> to most questions	
5 <input type="checkbox"/> deep and comprehensible, shows physical insight	5 <input type="checkbox"/> detailed, complex, completely testable	5 <input type="checkbox"/> + reproducible, convincing analysis	5 <input type="checkbox"/> well fitting, deviations analysed, conclusive	5 <input type="checkbox"/> considerable experimental and theoretical	5 <input type="checkbox"/> greater extent than expected	5 <input type="checkbox"/> brought in new physics	5 <input type="checkbox"/> efficient, productive	5 <input type="checkbox"/> efficient, productive	

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1.5 + 2.6 + 2 - 0 = 7

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation			
0 <input type="checkbox"/> almost no, irrelevant	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> very little	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> no			
1 <input type="checkbox"/> some relevant, aimed at resolving	1 <input type="checkbox"/> very little	1 <input type="checkbox"/> some main points	1 <input type="checkbox"/> some	1 <input type="checkbox"/> almost no	1 <input type="checkbox"/> little	1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> to some extent	1 <input type="checkbox"/> almost no			
2 <input checked="" type="checkbox"/> some unclear points	2 <input type="checkbox"/> not all	2 <input type="checkbox"/> main points	2 <input checked="" type="checkbox"/> to important topics	2 <input type="checkbox"/> some	2 <input checked="" type="checkbox"/> partial	2 <input checked="" type="checkbox"/> average	2 <input checked="" type="checkbox"/> some correct	2 <input checked="" type="checkbox"/> leading or cooperative	2 <input checked="" type="checkbox"/> some			
3 <input type="checkbox"/> short allowing short answers, prioritized, all time used	3 <input checked="" type="checkbox"/> almost all	3 <input checked="" type="checkbox"/> all relevant points	3 <input type="checkbox"/> many	3 <input type="checkbox"/> to most topics	3 <input type="checkbox"/> good	3 <input type="checkbox"/> many	3 <input type="checkbox"/> many correct	3 <input type="checkbox"/> quite efficient	3 <input type="checkbox"/> reasonable			
	4 <input type="checkbox"/> all & efficiently	4 <input type="checkbox"/> practically all points	4 <input type="checkbox"/> practically all	4 <input type="checkbox"/> + improvement suggestions	4 <input type="checkbox"/> new crucial point(s)	4 <input type="checkbox"/> almost all	4 <input type="checkbox"/> + improvement suggestions	4 <input type="checkbox"/> very efficient	4 <input type="checkbox"/> very good			

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 1.5 + 1.8 + 2 - 0.5 = 5

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation			
0 <input type="checkbox"/> too few, mostly irrelevant	0 <input type="checkbox"/> poor	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> no	0 <input type="checkbox"/> poor	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> no		
1 <input type="checkbox"/> some relevant, sufficient number, could clear things out	1 <input type="checkbox"/> partial	1 <input type="checkbox"/> too short/long	1 <input checked="" type="checkbox"/> some	1 <input type="checkbox"/> partially relevant	1 <input type="checkbox"/> almost no	1 <input type="checkbox"/> top short/long	1 <input type="checkbox"/> too short/long	1 <input type="checkbox"/> some	1 <input type="checkbox"/> partially relevant	1 <input type="checkbox"/> almost no		
2 <input checked="" type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp.	2 <input type="checkbox"/> good	2 <input type="checkbox"/> relevant parts	2 <input checked="" type="checkbox"/> many	2 <input type="checkbox"/> mostly adequate	2 <input type="checkbox"/> some	2 <input checked="" type="checkbox"/> informative, apt	2 <input type="checkbox"/> relevant parts	2 <input type="checkbox"/> many	2 <input type="checkbox"/> mostly adequate	2 <input type="checkbox"/> some		
3 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently	3 <input type="checkbox"/> detailed, complex	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input type="checkbox"/> fully adequate	3 <input type="checkbox"/> good	3 <input type="checkbox"/> brief but accurate	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input type="checkbox"/> fully adequate	3 <input type="checkbox"/> good		

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 2 + 2 - 1 = 4

stage: 3
 reporter: CA

fight (round no.): 2
 opponent: BR

room: G
 reviewer: UA

problem no.: 13

Juror's name: Andreas Klusmann
 signature:

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	0 --- almost no	0 --- too few	0 --- no/ almost no	0 --- others' data, incorrectly cited	0 --- misunderstood	0 --- almost no	0 --- too few	0 --- almost no, chaotic	0 --- concise and correct or no questions asked 1 --- some incorrect, inconclusive or too long -1 --- deeply incorrect or show deep misconceptions
1 --- some	1 --- <u>some</u>	1 --- some	1 --- some	1 --- review of sources, cited	1 --- partly	1 --- only technical	1 --- some	1 --- avoided some questions	
2 --- fair	2 --- fair	2 --- fair	2 --- not well fitting deviations	2 --- <u>some own input</u>	2 --- average	2 --- some scientific points cleared	2 --- many	2 --- cooperated well	
3 --- good	3 --- good	3 --- well performed, sufficient number	3 --- qualitatively analysed	3 --- some interesting results	3 --- interesting solution	3 --- interesting points discussed	3 --- + data/theory convincingly supported	3 --- answered directly to most questions	
4 --- detailed demonstrative	4 --- quite detailed, correct	4 --- + results explained errors analysed	4 --- + theory limits explained, conclusive	4 --- considerable experimental or theoretical	4 --- some aspects above average	4 --- brought in new physics	4 --- proved deep understanding	4 --- efficient, productive	
6 --- deep and comprehensible, shows physical insight	6 --- detailed, complex, completely testable	6 --- + reproducible, convincing analysis	6 --- well fitting, deviations analysed, conclusive	6 --- considerable experimental and theoretical	6 --- greater extent than expected				

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1.5 + 3 + 2.5 - 0 = 8

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 --- almost no, irrelevant	1 --- some relevant, aimed at resolving some unclear points	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 --- almost no, irrelevant	0 --- some relevant, aimed at resolving some unclear points	0 --- almost no	0 --- almost nothing	0 --- no or irrelevant	0 --- almost no	0 --- no	0 --- almost no	0 --- irrelevant	0 --- very little	0 --- almost no	0 --- no	0 --- concise and correct or no questions asked -1 --- some incorrect, inconclusive or too long -2 --- deeply incorrect or show deep misconceptions
1 --- some relevant, aimed at resolving some unclear points	1 --- some relevant, aimed at resolving some unclear points	1 --- very little	1 --- some main points	1 --- few	1 --- some	1 --- almost no	1 --- little	1 --- some	1 --- some	1 --- to some extent	1 --- almost no	
2 --- short allowing short answers, prioritized, all time used	2 --- short allowing short answers, prioritized, all time used	2 --- not all	2 --- main points	2 --- some	2 --- to important topics	2 --- some	2 --- partial	2 --- average	2 --- some correct	2 --- leading or cooperative	2 --- some	
3 --- short allowing short answers, prioritized, all time used	3 --- short allowing short answers, prioritized, all time used	3 --- almost all	3 --- all relevant points	3 --- many	3 --- to most topics	3 --- reasonable	3 --- good	3 --- many	3 --- many correct	3 --- quite efficient	3 --- reasonable	
4 --- short allowing short answers, prioritized, all time used	4 --- short allowing short answers, prioritized, all time used	4 --- all & efficiently	4 --- practically all points	4 --- practically all	4 --- + improvement suggestions	4 --- very good	4 --- new crucial point(s)	4 --- almost all	4 --- + improvement suggestions	4 --- very efficient	4 --- very good	

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 7.5 + 1.5 + 1 - 0 = 6

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0 --- too few, mostly irrelevant	1 --- some relevant, sufficient number, could clear things out	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 --- too few, mostly irrelevant	0 --- some relevant, sufficient number, could clear things out	0 --- poor	0 --- almost no	0 --- too few	0 --- irrelevant	0 --- no	0 --- poor	0 --- almost no	0 --- too few	0 --- irrelevant	0 --- no	0 --- concise and correct or no questions asked -1 --- some incorrect, inconclusive or too long -2 --- deeply incorrect or show deep misconceptions
1 --- some relevant, sufficient number, could clear things out	1 --- some relevant, sufficient number, could clear things out	1 --- partial	1 --- too short/long	1 --- some	1 --- partially relevant	1 --- almost no	1 --- too short/long	1 --- too short/long	1 --- some	1 --- partially relevant	1 --- almost no	
2 --- most time used, many unclear points resolved, aimed at both rep. and opp.	2 --- most time used, many unclear points resolved, aimed at both rep. and opp.	2 --- good	2 --- relevant parts	2 --- many	2 --- mostly adequate	2 --- some	2 --- informative, apt	2 --- relevant parts	2 --- many	2 --- mostly adequate	2 --- some	
3 --- +short, apt and clear, well prioritized time managed efficiently	3 --- +short, apt and clear, well prioritized time managed efficiently	3 --- detailed, complex	3 --- accurate, conclusive	3 --- + improvement suggestions	3 --- fully adequate	3 --- good	3 --- brief but accurate	3 --- accurate, conclusive	3 --- + improvement suggestions	3 --- fully adequate	3 --- good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 $1 + 1.5 + 1.5 - 0 = 4$

stage: 2
 reporter: UA

fight (round no.): 2
 opponent: CA

room: 6
 reviewer: BR

problem no.: 11

Juror's name: Anderson
 signature: [Signature]

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 almost no	too few	almost no, chaotic	0 concise and correct or no questions asked -1 some incorrect, inconclusive or too long -2 deeply incorrect or show deep misconceptions
1 some	some	some	some	review of sources, cited	partly	1 only technical	some	avoided some questions	
2 fair	fair	fair	not well fitting	some own input	average	2 some scientific points cleared	many	cooperated well	
3 good	good	well performed, sufficient number	deviations	some interesting results	interesting solution	3 interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
4 detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	4 brought in new physics	proved deep understanding	efficient, productive	
6 deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected				

NOTES:

OPPONENT Start from 1 and add/subtract
 $1 + 1 + 3 + 2.5 - 0.5 = 7$

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation			
0 almost no, irrelevant	almost nothing	no or irrelevant	almost no	no	0 almost no	irrelevant	very little	almost no	no	0 concise and correct or no questions asked -1 some incorrect, inconclusive or too long -2 deeply incorrect or show deep misconceptions		
1 some relevant, aimed at resolving some unclear points	some main points	few	some	almost no	1 little	some	some	to some extent	almost no			
2 short allowing short answers, prioritized, all time used	main points	some	to important topics	some	2 partial	average	some correct	leading or cooperative	some			
	all relevant points	many	to most topics	reasonable	3 good	many	many correct	quite efficient	reasonable			
	all & efficiently	practically all points	practically all	very good	4 new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good			

NOTES:

REVIEWER Start from 1 and add/subtract
 $1 + 3 + 2.5 + 2.5 - 0 = 9$

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation			
0 too few, mostly irrelevant	almost no	too few	irrelevant	no	0 poor	almost no	too few	irrelevant	no	0 concise and correct or no questions asked -1 some incorrect, inconclusive or too long -2 deeply incorrect or show deep misconceptions		
1 clear things out	too short/long	some	partially relevant	almost no	1 partial	too short/long	some	partially relevant	almost no			
2 most time used, many unclear points resolved, aimed at both rep. and opp.	relevant parts	many	mostly adequate	some	2 good	relevant parts	many	mostly adequate	some			
3 +short, apt and clear, well prioritized time managed efficiently	detailed, complex	+ improvement suggestions	fully adequate	good	3 informative, apt	accurate, conclusive	+ improvement suggestions	fully adequate	good			
	accurate, conclusive				3 brief but accurate							

NOTES:

SCORESHEET

REPORTER

Start from 1 and add/subtract

$$1 + \boxed{1} + \boxed{1} - \boxed{0} = \boxed{3}$$

stage: 2
reporter: VA

fight (round no.): 2
opponent: CA

room: R
reviewer: BR

problem no.: 11

Juror's name: kin long no
signature: chrB

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> no/ almost no	0 <input type="checkbox"/> others' data, incorrectly cited	0 <input type="checkbox"/> misunderstood	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> almost no, chaotic	
1 <input checked="" type="checkbox"/> some	1 <input checked="" type="checkbox"/> some	1 <input checked="" type="checkbox"/> some	1 <input checked="" type="checkbox"/> some	1 <input checked="" type="checkbox"/> review of sources, cited	1 <input checked="" type="checkbox"/> partly	1 <input checked="" type="checkbox"/> only technical	1 <input checked="" type="checkbox"/> some	1 <input checked="" type="checkbox"/> avoided some questions	
2 <input type="checkbox"/> fair	2 <input type="checkbox"/> fair	2 <input type="checkbox"/> fair	2 <input type="checkbox"/> not well fitting	2 <input type="checkbox"/> some own input	2 <input type="checkbox"/> average	2 <input type="checkbox"/> some scientific	2 <input type="checkbox"/> many	2 <input type="checkbox"/> cooperated well	
3 <input type="checkbox"/> good	3 <input type="checkbox"/> good	3 <input type="checkbox"/> well performed, sufficient number	3 <input type="checkbox"/> deviations	3 <input type="checkbox"/> some interesting results	3 <input type="checkbox"/> interesting solution	3 <input type="checkbox"/> interesting points	3 <input type="checkbox"/> + data/theory	3 <input type="checkbox"/> answered directly	
4 <input type="checkbox"/> detailed demonstrative	4 <input type="checkbox"/> quite detailed, correct	4 <input type="checkbox"/> + results explained	4 <input type="checkbox"/> + theory limits explained, conclusive	4 <input type="checkbox"/> considerable experimental or theoretical	4 <input type="checkbox"/> some aspects above average	4 <input type="checkbox"/> discussed	4 <input type="checkbox"/> convincingly supported	4 <input type="checkbox"/> to most questions	
5 <input type="checkbox"/> deep and comprehensible, shows physical insight	5 <input type="checkbox"/> detailed, complex, completely testable	5 <input type="checkbox"/> + reproducible, convincing analysis	5 <input type="checkbox"/> well fitting, deviations analysed, conclusive	5 <input type="checkbox"/> considerable experimental and theoretical	5 <input type="checkbox"/> greater extent than expected	5 <input type="checkbox"/> brought in new physics	5 <input type="checkbox"/> proved deep understanding	5 <input type="checkbox"/> efficient, productive	

NOTES:

OPPONENT

Start from 1 and add/subtract

$$1 + \boxed{1.5} + \boxed{3} + \boxed{3} - \boxed{0.5} = \boxed{8}$$

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	1	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 <input type="checkbox"/> almost no, irrelevant	0 <input type="checkbox"/> some relevant, aimed at resolving	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> almost nothing	0 <input type="checkbox"/> no or irrelevant	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> very little	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> no	
1 <input checked="" type="checkbox"/> some unclear points	1 <input checked="" type="checkbox"/> short allowing short answers, prioritized, all time used	1 <input type="checkbox"/> very little	1 <input type="checkbox"/> some main points	1 <input type="checkbox"/> few	1 <input type="checkbox"/> some	1 <input type="checkbox"/> almost no	1 <input type="checkbox"/> little	1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> to some extent	1 <input type="checkbox"/> almost no	
2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/> not all	2 <input type="checkbox"/> main points	2 <input type="checkbox"/> some	2 <input type="checkbox"/> to important topics	2 <input type="checkbox"/> some	2 <input type="checkbox"/> partial	2 <input type="checkbox"/> average	2 <input type="checkbox"/> some correct	2 <input type="checkbox"/> leading or cooperative	2 <input type="checkbox"/> some	
3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input checked="" type="checkbox"/> almost all	3 <input checked="" type="checkbox"/> all relevant points	3 <input checked="" type="checkbox"/> many	3 <input checked="" type="checkbox"/> to most topics	3 <input checked="" type="checkbox"/> reasonable	3 <input checked="" type="checkbox"/> good	3 <input checked="" type="checkbox"/> many	3 <input checked="" type="checkbox"/> many correct	3 <input checked="" type="checkbox"/> quite efficient	3 <input checked="" type="checkbox"/> reasonable	
4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/> all & efficiently	4 <input type="checkbox"/> practically all points	4 <input type="checkbox"/> practically all	4 <input type="checkbox"/> + improvement suggestions	4 <input type="checkbox"/> very good	4 <input type="checkbox"/> new crucial point(s)	4 <input type="checkbox"/> almost all	4 <input type="checkbox"/> + improvement suggestions	4 <input type="checkbox"/> very efficient	4 <input type="checkbox"/> very good	

NOTES:

REVIEWER

Start from 1 and add/subtract

$$1 + \boxed{3} + \boxed{2} + \boxed{2} - \boxed{0} = \boxed{8}$$

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0	1	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 <input type="checkbox"/> too few, mostly irrelevant	0 <input type="checkbox"/> some relevant, sufficient number, could clear things out	0 <input type="checkbox"/> poor	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> no	0 <input type="checkbox"/> poor	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> no	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/> partial	1 <input type="checkbox"/> too short/long	1 <input type="checkbox"/> some	1 <input type="checkbox"/> partially relevant	1 <input type="checkbox"/> almost no	1 <input type="checkbox"/> too short/long	1 <input type="checkbox"/> too short/long	1 <input type="checkbox"/> some	1 <input type="checkbox"/> partially relevant	1 <input type="checkbox"/> almost no	
2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input checked="" type="checkbox"/> good	2 <input checked="" type="checkbox"/> relevant parts	2 <input checked="" type="checkbox"/> many	2 <input checked="" type="checkbox"/> mostly adequate	2 <input checked="" type="checkbox"/> some	2 <input checked="" type="checkbox"/> informative, apt	2 <input checked="" type="checkbox"/> relevant parts	2 <input checked="" type="checkbox"/> many	2 <input checked="" type="checkbox"/> mostly adequate	2 <input checked="" type="checkbox"/> some	
3 <input checked="" type="checkbox"/>	3 <input checked="" type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently	3 <input type="checkbox"/> detailed, complex	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input type="checkbox"/> fully adequate	3 <input type="checkbox"/> good	3 <input type="checkbox"/> brief but accurate	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input type="checkbox"/> fully adequate	3 <input type="checkbox"/> good	

NOTES:

SCORESHEET

REPORTER

Start from 1 and add/subtract

$$1 + 1.5 + 0.5 - 0 = 3$$

stage: 2
reporter: Ukraine

fight (round no.): 2
opponent: Canada

room: G
reviewer: Brazil

problem no.: 11

Juror's name: Peter Boross
signature: Boross Peter

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	0 --- almost no	0 --- too few	0 --- no/almost no	0 --- others' data, incorrectly cited	0 --- misunderstood	0 --- almost no	0 --- too few	0 --- almost no	
1 --- some	1 --- some	1 --- some	1 --- some	1 --- review of sources, cited	1 --- partly	1 --- only technical	1 --- some	1 --- avoided some	
2 --- fair	2 --- fair	2 --- fair	2 --- not well fitting	2 --- some own input	2 --- average	2 --- some scientific	2 --- many	2 --- questions	
3 --- good	3 --- good	3 --- well performed, sufficient number	3 --- deviations	3 --- some interesting results	3 --- interesting solution	3 --- interesting points	3 --- + data/theory	3 --- answered directly	
4 --- detailed demonstrative	4 --- quite detailed, correct	4 --- + results explained errors analysed	4 --- + theory limits explained, conclusive	4 --- considerable experimental or theoretical	4 --- some aspects above average	4 --- discussed	4 --- convincingly supported	4 --- to most questions	
6 --- deep and comprehensible, shows physical insight	6 --- detailed, complex, completely testable	6 --- + reproducible, convincing analysis	6 --- well fitting, deviations analysed, conclusive	6 --- considerable experimental and theoretical	6 --- greater extent than expected	6 --- brought in new physics	6 --- proved deep understanding	6 --- efficient, productive	

NOTES:

OPPONENT

Start from 1 and add/subtract

$$1 + 1.5 + 3 + 3 - 0 = 8$$

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
		time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 --- almost no, irrelevant	0 --- some relevant, aimed at resolving	0 --- almost no	0 --- almost nothing	0 --- no or irrelevant	0 --- almost no	0 --- no	0 --- almost no	0 --- irrelevant	0 --- very little	0 --- almost no	0 --- no	0 --- concise and correct or no questions asked
1 --- some unclear points	1 --- short allowing short answers, prioritized, all time used	1 --- very little	1 --- some main points	1 --- few	1 --- some	1 --- almost no	1 --- little	1 --- some	1 --- some	1 --- to some extent	1 --- almost no	1 --- some incorrect, inconclusive or too long
2 ---	2 ---	2 --- not all	2 --- main points	2 --- some	2 --- to important topics	2 --- some	2 --- partial	2 --- average	2 --- some correct	2 --- leading or cooperative	2 --- some	2 --- deeply incorrect or show deep misconceptions
3 ---	3 ---	3 --- almost all	3 --- all relevant points	3 --- many	3 --- to most topics	3 --- reasonable	3 --- good	3 --- many	3 --- many correct	3 --- quite efficient	3 --- reasonable	
4 ---	4 ---	4 --- all & efficiently	4 --- practically all points	4 --- practically all	4 --- + improvement suggestions	4 --- very good	4 --- new crucial point(s)	4 --- almost all	4 --- + improvement suggestions	4 --- very efficient	4 --- very good	

NOTES:

REVIEWER

Start from 1 and add/subtract

$$1 + 2.5 + 2 + 2 - 0 = 7$$

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
		report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 --- too few, mostly irrelevant	0 --- some relevant, sufficient number, could	0 --- poor	0 --- almost no	0 --- too few	0 --- irrelevant	0 --- no	0 --- poor	0 --- almost no	0 --- too few	0 --- irrelevant	0 --- no	0 --- concise and correct or no questions asked
1 --- clear things out	1 --- most time used, many unclear points resolved, aimed at both rep. and opp.	1 --- partial	1 --- too short/long	1 --- some	1 --- partially relevant	1 --- almost no	1 --- too short/long	1 --- too short/long	1 --- some	1 --- partially relevant	1 --- almost no	1 --- some incorrect, inconclusive or too long
2 ---	2 --- +short, apt and clear, well prioritized time managed efficiently	2 --- good	2 --- relevant parts	2 --- many	2 --- mostly adequate	2 --- some	2 --- informative, apt	2 --- relevant parts	2 --- many	2 --- mostly adequate	2 --- some	2 --- deeply incorrect or show deep misconceptions
3 ---	3 ---	3 --- detailed, complex	3 --- accurate, conclusive	3 --- + improvement suggestions	3 --- fully adequate	3 --- good	3 --- brief but accurate	3 --- accurate, conclusive	3 --- + improvement suggestions	3 --- fully adequate	3 --- good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract

$$1 + \boxed{2} + \boxed{1} - \boxed{0} = \boxed{4}$$

stage:

fight (round no.): 2

room: G

problem no.: 11

Juror's name: Chew Lock Yu

reporter: Ukraine

opponent: Canada

reviewer: Brazil

signature: 

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 --- almost no	too few	almost no, chaotic	
1 --- some	some	some	some	review of sources, cited	partly	1 --- only technical points cleared	some	avoided some questions	
2 --- fair	fair	fair	not well fitting	some own input	average	2 --- some scientific points cleared	many	cooperated well	
3 --- good	good	well performed, sufficient number	deviations qualitatively analysed	some interesting results	interesting solution	3 --- interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
4 --- detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	4 --- brought in new physics	proved deep understanding	efficient, productive	
5 --- deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected				

NOTES:

OPPONENT Start from 1 and add/subtract

$$1 + \boxed{1} + \boxed{2} + \boxed{2} - \boxed{0} = \boxed{6}$$

QUESTIONS ASKED	OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 --- almost no, irrelevant	almost no	almost nothing	no or irrelevant	almost no	no	0 --- almost no	irrelevant	very little	almost no	no	
1 --- some relevant, aimed at resolving some unclear points	very little	some main points	few	some	almost no	1 --- little	some	some	to some extent	almost no	
2 --- short allowing short answers, prioritized, all time used	not all	main points	some	to important topics	some	2 --- partial	average	some correct	leading or cooperative	some	
	almost all	all relevant points	many	to most topics	reasonable	3 --- good	many	many correct	quite efficient	reasonable	
	all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 --- new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER Start from 1 and add/subtract

$$1 + \boxed{2} + \boxed{1.5} + \boxed{1.5} - \boxed{0} = \boxed{6}$$

QUESTIONS ASKED	REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 --- too few, mostly irrelevant	poor	almost no	too few	irrelevant	no	0 --- poor	almost no	too few	irrelevant	no	
1 --- some relevant, sufficient number, could clear things out	partial	too short/long	some	partially relevant	almost no	1 --- too short/long	too short/long	some	partially relevant	almost no	
2 --- most time used, many unclear points resolved, aimed at both rep. and opp.	good	relevant parts	many	mostly adequate	some	2 --- informative, apt	relevant parts	many	mostly adequate	some	
3 --- +short, apt and clear, well prioritized time managed efficiently	detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 --- brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + $1\frac{1}{2}$ + $1\frac{1}{2}$ - 0 = 4

stage: 2 fight (round no.): 2 room: problem no.: 11 Juror's name: PHIL O'NEILL
 reporter: MAKSYM opponent: PATRICK reviewer: signature: *PHOILL*

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 almost no	almost no	too few	no/almost no	others' data, incorrectly cited	misunderstood	almost no	too few	almost no, chaotic	
1 some	some	some	some	review of sources, cited	partly	only technical	some	avoided some	
2 fair	fair	fair	not well fitting	some own input	average	points cleared	many	questions	
3 good	good	well performed, sufficient number	deviations	some interesting results	interesting solution	some scientific points cleared		cooperated well	
4 detailed demonstrative	quite detailed, correct	+ results explained errors analysed	qualitatively analysed + theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
6 deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	brought in new physics	proved deep understanding	efficient, productive	

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 2 + $2\frac{1}{2}$ + $2\frac{1}{2}$ - 0 = 8

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	1	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 almost no, irrelevant	some relevant, aimed at resolving some unclear points	almost no	almost nothing	no or irrelevant	almost no	no	almost no	irrelevant	very little	almost no	no	
1	short allowing short answers, prioritized, all time used	very little	some main points	few	some	almost no	little	some	some	to some extent	almost no	
2		not all	main points	some	to important topics	some	partial	average	some correct	leading or cooperative	some	
3		almost all	all relevant points	many	to most topics	reasonable	good	many	many correct	quite efficient	reasonable	
4		all & efficiently	practically all points	practically all	+ improvement suggestions	very good	new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 2 + $2\frac{1}{2}$ + $2\frac{1}{2}$ - 0 = 8

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0	1	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 too few, mostly irrelevant	some relevant, sufficient number, could clear things out	poor	almost no	too few	irrelevant	no	poor	almost no	too few	irrelevant	no	
1	most time used, many unclear points resolved, aimed at both rep. and opp.	partial	too short/long	some	partially relevant	almost no	too short/long	too short/long	some	partially relevant	almost no	
2		good	relevant parts	many	mostly adequate	some	informative, apt	relevant parts	many	mostly adequate	some	
3	+short, apt and clear, well prioritized time managed efficiently	detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 3.6 + 1.6 - 0 = 6.2 6

stage:
 reporter: Brazil

fight (round no.): 2
 opponent: Ukraine

room: G
 reviewer: Canada

problem no.: 9

Juror's name: Chew Lock Xie
 signature: A. Ill.

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 --- almost no	too few	almost no, chaotic	
1 --- some	some	some	some	review of sources, cited	partly	1 --- only technical points cleared	some	avoided some questions	
2 --- fair	fair	fair	not well fitting	some own input	average	2 --- some scientific points cleared	many	cooperated well	
3 --- good	good	well performed, sufficient number	deviations qualitatively analysed	some interesting results	interesting solution	3 --- interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
4 --- detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	4 --- brought in new physics	proved deep understanding	efficient, productive	
5 --- deep and comprehensible, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected				

NOTES: 10 + 1/62 = 22

5

OPPONENT Start from 1 and add/subtract
 1 + 1 + 1.2 + 1.4 - 0 = 4.6 5

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 --- almost no, irrelevant	1 --- some relevant, aimed at resolving some unclear points	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 --- almost no, irrelevant	1 --- some relevant, aimed at resolving some unclear points	0 --- almost no	almost nothing	no or irrelevant	almost no	no	0 --- almost no	irrelevant	very little	almost no	no	
1 --- some relevant, aimed at resolving some unclear points	2 --- short allowing short answers, prioritized, all time used	1 --- very little	some main points	few	some	almost no	1 --- little	some	some	to some extent	almost no	
2 --- short allowing short answers, prioritized, all time used		2 --- not all	main points	some	to important topics	some	2 --- partial	average	some correct	leading or cooperative	some	
		3 --- almost all	all relevant points	many	to most topics	reasonable	3 --- good	many	many correct	quite efficient	reasonable	
		4 --- all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 --- new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

6

4 + 3 = 7

REVIEWER Start from 1 and add/subtract
 1 + 2 + 1.6 + 1.6 - 0 = 6.2 6

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0 --- too few, mostly irrelevant	1 --- some relevant, sufficient number, could clear things out	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 --- too few, mostly irrelevant	1 --- some relevant, sufficient number, could clear things out	0 --- poor	almost no	too few	irrelevant	no	0 --- poor	almost no	too few	irrelevant	no	
1 --- some relevant, sufficient number, could clear things out	2 --- most time used, many unclear points resolved, aimed at both rep. and opp.	1 --- partial	too short/long	some	partially relevant	almost no	1 --- too short/long	too short/long	some	partially relevant	almost no	
2 --- most time used, many unclear points resolved, aimed at both rep. and opp.	3 --- +short, apt and clear, well prioritized time managed efficiently	2 --- good	relevant parts	many	mostly adequate	some	2 --- informative, apt	relevant parts	many	mostly adequate	some	
3 --- +short, apt and clear, well prioritized time managed efficiently		3 --- detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 --- brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

6 + 2 = 8

8

6 + 2 = 8

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + $5\frac{1}{2}$ + $3\frac{1}{2}$ - 0 = 9

stage: 1
 reporter: VITOR

fight (round no.): 2
 opponent: DYMA

room: G
 reviewer:

problem no.: 9

Juror's name: PHIL O'NEILL
 signature: *PHO'Neill*

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 --- almost no	too few	almost no, chaotic	
1 --- some	some	some	some	review of sources, cited	partly	1 --- only technical	some	avoided some questions	
2 --- fair	fair	fair	not well fitting	some own input	average	2 --- some scientific points cleared	many	cooperated well	
3 --- good	good	well performed, sufficient number	deviations qualitatively analysed	some interesting results	interesting solution	3 --- interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
4 --- detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	4 --- brought in new physics	proved deep understanding	efficient productive	
5 --- deep and comprehensive, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected				

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1 + $1\frac{1}{2}$ + $1\frac{1}{2}$ - 1 = 4

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
		time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 --- almost no, irrelevant		almost no	almost nothing	no or irrelevant	almost no	no	0 --- almost no	irrelevant	very little	almost no	no	
1 --- some relevant, aimed at resolving some unclear points	1	very little	some main points	few	some	almost no	1 --- little	some	some	to some extent	almost no	
2 --- short allowing short answers, prioritized, all time used	2	not all	main points	some	to important topics	some	2 --- partial	average	some correct	leading or cooperative	some	
	3	almost all	all relevant points	many	to most topics	reasonable	3 --- good	many	many correct	quite efficient	reasonable	
	4	all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 --- new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + $2\frac{1}{2}$ + $2\frac{1}{2}$ + 2 - 0 = 7

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
		report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 --- too few, mostly irrelevant		poor	almost no	too few	irrelevant	no	0 --- poor	almost no	too few	irrelevant	no	
1 --- some relevant, sufficient number, could clear things out	1	partial	too short/long	some	partially relevant	almost no	1 --- too short/long	too short/long	some	partially relevant	almost no	
2 --- most time used, many unclear points resolved, aimed at both rep. and opp.	2	good	relevant parts	many	mostly adequate	some	2 --- informative, apt	relevant parts	many	mostly adequate	some	
3 --- +short, apt and clear, well prioritized time managed efficiently	3	detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 --- brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + 4.5 + 2.5 - 0 = 8

stage: 1
 reporter: BR

fight (round no.): 2
 opponent: UA

room: G
 reviewer: CA

problem no.: 9

Juror's name: Andra Kishan
 signature: [Signature]

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 --- almost no	too few	almost no, chaotic	
1 --- some	some	some	some	review of sources, cited	partly	1 --- only technical	some	avoided some questions	
2 --- fair	fair	fair	not well fitting	some own input	average	2 --- some scientific	many	cooperated well	
3 --- good	good	well performed, sufficient number	qualitatively analysed	some interesting results	interesting solution	3 --- interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
4 --- detailed demonstrative	quite detailed, correct	+ results explained	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	4 --- brought in new physics	proved deep understanding	efficient, productive	
5 --- deep and comprehensive, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected				

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + 1 + 3 + 3 - 0 = 8

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
		time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 --- almost no, irrelevant		0 --- almost no	almost nothing	no or irrelevant	almost no	no	0 --- almost no	irrelevant	very little	almost no	no	
1 --- some relevant, aimed at resolving some unclear points		1 --- very little	some main points	few	some	almost no	1 --- little	some	some	to some extent	almost no	
2 --- short allowing short answers, prioritized, all time used		2 --- not all	main points	some	to important topics	some	2 --- partial	average	some correct	leading or cooperative	some	
		3 --- almost all	all relevant points	many	to most topics	reasonable	3 --- good	many	many correct	quite efficient	reasonable	
		4 --- all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 --- new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + 2 + 2 + 2 - 0 = 7

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
		report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 --- too few, mostly irrelevant		0 --- poor	almost no	too few	irrelevant	no	0 --- poor	almost no	too few	irrelevant	no	
1 --- some relevant, sufficient number, could clear things out		1 --- partial	too short/long	some	partially relevant	almost no	1 --- too short/long	too short/long	some	partially relevant	almost no	
2 --- most time used, many unclear points resolved, aimed at both rep. and opp.		2 --- good	relevant parts	many	mostly adequate	some	2 --- informative, apt	relevant parts	many	mostly adequate	some	
3 --- +short, apt and clear, well prioritized time managed efficiently		3 --- detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 --- brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + $\boxed{4.8}$ + $\boxed{2.66}$ - $\boxed{0.5}$ = $\boxed{7}$

stage: $\boxed{1}$
 reporter: \boxed{BR}

fight (round no.): $\boxed{2}$
 opponent: \boxed{UA}

room: \boxed{G}
 reviewer: \boxed{CA}

problem no.: $\boxed{9}$

Juror's name: $\boxed{Kin Long Ao}$
 signature: \boxed{Chui}

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> no/ almost no	0 <input type="checkbox"/> others' data, incorrectly cited	0 <input type="checkbox"/> misunderstood	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> almost no, chaotic	
1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> review of sources, cited	1 <input type="checkbox"/> partly	1 <input type="checkbox"/> only technical	1 <input type="checkbox"/> some	1 <input type="checkbox"/> avoided some questions	
2 <input type="checkbox"/> fair	2 <input type="checkbox"/> fair	2 <input type="checkbox"/> fair	2 <input type="checkbox"/> not well fitting	2 <input type="checkbox"/> some own input	2 <input type="checkbox"/> average	2 <input type="checkbox"/> some scientific points cleared	2 <input type="checkbox"/> many	2 <input type="checkbox"/> cooperated well	
3 <input type="checkbox"/> good	3 <input type="checkbox"/> good	3 <input type="checkbox"/> well performed, sufficient number	3 <input type="checkbox"/> deviations	3 <input type="checkbox"/> some interesting results	3 <input type="checkbox"/> interesting solution	3 <input checked="" type="checkbox"/> some scientific points cleared	3 <input type="checkbox"/> + data/theory	3 <input type="checkbox"/> answered directly	
4 <input checked="" type="checkbox"/> detailed demonstrative	4 <input type="checkbox"/> quite detailed, correct	4 <input type="checkbox"/> + results explained	4 <input checked="" type="checkbox"/> + theory limits	4 <input type="checkbox"/> considerable experimental or theoretical	4 <input checked="" type="checkbox"/> some aspects above average	4 <input type="checkbox"/> interesting points discussed	4 <input checked="" type="checkbox"/> convincingly supported	4 <input type="checkbox"/> to most questions	
5 <input type="checkbox"/> deep and comprehensible, shows physical insight	5 <input checked="" type="checkbox"/> detailed, complex, completely testable	5 <input type="checkbox"/> + reproducible, convincing analysis	5 <input type="checkbox"/> well fitting, deviations analysed, conclusive	5 <input type="checkbox"/> considerable experimental and theoretical	5 <input type="checkbox"/> greater extent than expected	5 <input type="checkbox"/> brought in new physics	5 <input type="checkbox"/> proved deep understanding	5 <input type="checkbox"/> efficient, productive	

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + $\boxed{0.5}$ + $\boxed{0.2}$ + $\boxed{0.2}$ - $\boxed{0.5}$ = $\boxed{5}$

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0	1	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
0 <input type="checkbox"/> almost no, irrelevant	0 <input checked="" type="checkbox"/> some relevant, aimed at resolving	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> almost nothing	0 <input type="checkbox"/> no or irrelevant	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> no	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> very little	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> no	
1 <input type="checkbox"/> some unclear points	1 <input type="checkbox"/> short allowing short answers, prioritized, all time used	1 <input type="checkbox"/> very little	1 <input type="checkbox"/> some main points	1 <input type="checkbox"/> few	1 <input type="checkbox"/> some	1 <input type="checkbox"/> almost no	1 <input type="checkbox"/> little	1 <input type="checkbox"/> some	1 <input type="checkbox"/> some	1 <input type="checkbox"/> to some extent	1 <input type="checkbox"/> almost no	
2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/> not all	2 <input checked="" type="checkbox"/> main points	2 <input checked="" type="checkbox"/> some	2 <input checked="" type="checkbox"/> to important topics	2 <input type="checkbox"/> some	2 <input checked="" type="checkbox"/> partial	2 <input checked="" type="checkbox"/> average	2 <input checked="" type="checkbox"/> some correct	2 <input checked="" type="checkbox"/> leading or cooperative	2 <input checked="" type="checkbox"/> some	
3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/> almost all	3 <input type="checkbox"/> all relevant points	3 <input type="checkbox"/> many	3 <input type="checkbox"/> to most topics	3 <input type="checkbox"/> reasonable	3 <input type="checkbox"/> good	3 <input type="checkbox"/> many	3 <input type="checkbox"/> many correct	3 <input type="checkbox"/> quite efficient	3 <input type="checkbox"/> reasonable	
4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/> all & efficiently	4 <input type="checkbox"/> practically all points	4 <input type="checkbox"/> practically all	4 <input type="checkbox"/> + improvement suggestions	4 <input type="checkbox"/> very good	4 <input type="checkbox"/> new crucial point(s)	4 <input type="checkbox"/> almost all	4 <input type="checkbox"/> + improvement suggestions	4 <input type="checkbox"/> very efficient	4 <input type="checkbox"/> very good	

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + $\boxed{2.5}$ + $\boxed{1.8}$ + $\boxed{2}$ - $\boxed{0}$ = $\boxed{7}$

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0	1	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
0 <input type="checkbox"/> too few, mostly irrelevant	0 <input type="checkbox"/> some relevant, sufficient number, could clear things out	0 <input type="checkbox"/> poor	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> no	0 <input type="checkbox"/> poor	0 <input type="checkbox"/> almost no	0 <input type="checkbox"/> too few	0 <input type="checkbox"/> irrelevant	0 <input type="checkbox"/> no	
1 <input type="checkbox"/>	1 <input type="checkbox"/> most time used, many unclear points resolved, aimed at both rep. and opp.	1 <input type="checkbox"/> partial	1 <input type="checkbox"/> too short/long	1 <input checked="" type="checkbox"/> some	1 <input type="checkbox"/> partially relevant	1 <input type="checkbox"/> almost no	1 <input type="checkbox"/> too short/long	1 <input type="checkbox"/> too short/long	1 <input type="checkbox"/> some	1 <input type="checkbox"/> partially relevant	1 <input type="checkbox"/> almost no	
2 <input checked="" type="checkbox"/>	2 <input type="checkbox"/> +short, apt and clear, well prioritized time managed efficiently	2 <input checked="" type="checkbox"/> good	2 <input checked="" type="checkbox"/> relevant parts	2 <input checked="" type="checkbox"/> many	2 <input checked="" type="checkbox"/> mostly adequate	2 <input checked="" type="checkbox"/> some	2 <input checked="" type="checkbox"/> informative, apt	2 <input checked="" type="checkbox"/> relevant parts	2 <input checked="" type="checkbox"/> many	2 <input checked="" type="checkbox"/> mostly adequate	2 <input checked="" type="checkbox"/> some	
3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/> detailed, complex	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input type="checkbox"/> fully adequate	3 <input type="checkbox"/> good	3 <input type="checkbox"/> brief but accurate	3 <input type="checkbox"/> accurate, conclusive	3 <input type="checkbox"/> + improvement suggestions	3 <input type="checkbox"/> fully adequate	3 <input type="checkbox"/> good	

NOTES:

SCORESHEET

REPORTER Start from 1 and add/subtract
 1 + **4** + **1.75** - **0.5** = **7**

stage: **1**
 reporter: **Brazil**

fight (round no.): **2**
 opponent: **Ukraine**

room: **G**
 reviewer: **Canada**

problem no.: **9**

Juror's name: **Peter Boross**
 signature: **Boross Peter**

REPORT						DISCUSSION WITH OPPONENT			ANSWERS TO JURY, OPPONENT and REVIEWER'S QUESTIONS
phenomenon explanation	theory/model	relevant experiments	comparison between theory and experiment	own contribution	task fulfilment	scientific contribution	relevant arguments/responses	efficiency	
0 --- almost no	almost no	too few	no/ almost no	others' data, incorrectly cited	misunderstood	0 --- almost no	too few	almost no, chaotic	
1 --- some	some	some	some	review of sources, cited	partly	1 --- only technical	some	avoided some	
2 --- fair	fair	fair	not well fitting	some own input	average	2 --- points cleared	many	questions	
3 --- good	good	well performed, sufficient number	deviations qualitatively analysed	some interesting results	interesting solution	3 --- some scientific points cleared		cooperated well	
4 --- detailed demonstrative	quite detailed, correct	+ results explained errors analysed	+ theory limits explained, conclusive	considerable experimental or theoretical	some aspects above average	4 --- interesting points discussed	+ data/theory convincingly supported	answered directly to most questions	
6 --- deep and comprehensive, shows physical insight	detailed, complex, completely testable	+ reproducible, convincing analysis	well fitting, deviations analysed, conclusive	considerable experimental and theoretical	greater extent than expected	4 --- brought in new physics	proved deep understanding	efficient, productive	

NOTES:

OPPONENT Start from 1 and add/subtract
 1 + **0.5** + **1.5** + **1.75** - **0** = **5**

QUESTIONS ASKED		OPPOSITION (SPEECH)					DISCUSSION WITH REPORTER					ANSWERS TO JURY and REVIEWER'S QUESTIONS
0 --- almost no, irrelevant	1 --- some relevant, aimed at resolving some unclear points	time used	understanding of presentation	relevant topics addressed	correct own opinions expressed	prioritisation	scientific contribution	relevance of topics	own opinions presented	efficiency	prioritisation	
X	short allowing short answers, prioritized, all time used	0 --- almost no	almost nothing	no or irrelevant	almost no	no	0 --- almost no	irrelevant	very little	almost no	no	
1 ---		1 --- very little	some main points	few	some	almost no	1 --- little	some	some	to some extent	almost no	
2 ---		2 --- not all	main points	some	to important topics	some	2 --- partial	average	some correct	leading or cooperative	some	
3 ---		3 --- almost all	all relevant points	many	to most topics	reasonable	3 --- good	many	many correct	quite efficient	reasonable	
4 ---		4 --- all & efficiently	practically all points	practically all	+ improvement suggestions	very good	4 --- new crucial point(s)	almost all	+ improvement suggestions	very efficient	very good	

NOTES:

REVIEWER Start from 1 and add/subtract
 1 + **1.5** + **2** + **2** - ~~0.5~~ = **6**

QUESTIONS ASKED		REVIEW OF REPORT					REVIEW OF OPPOSITION					ANSWERS TO JURY QUESTIONS
0 --- too few, mostly irrelevant	1 --- clear things out	report summary & understanding	discussion analysis	own opinions	pros & cons	prioritisation	speech summary	discussion analysis	own opinions	pros & cons	prioritisation	
X	most time used, many unclear points resolved, aimed at both rep. and opp.	0 --- poor	almost no	too few	irrelevant	no	0 --- poor	almost no	too few	irrelevant	no	
1 ---		1 --- partial	too short/long	some	partially relevant	almost no	1 --- too short/long	too short/long	some	partially relevant	almost no	
2 ---		2 --- good	relevant parts	many	mostly adequate	some	2 --- informative, apt	relevant parts	many	mostly adequate	some	
3 ---	+short, apt and clear, well prioritized time managed efficiently	3 --- detailed, complex	accurate, conclusive	+ improvement suggestions	fully adequate	good	3 --- brief but accurate	accurate, conclusive	+ improvement suggestions	fully adequate	good	

NOTES:



Juror	Team	Stage 1			Stage 2			Stage 3			Stage 4		
		Brazil Rep	Ukraine Opp	Canada Rev	Ukraine Rep	Canada Opp	Brazil Rev	Canada Rep	Brazil Opp	Ukraine Rev	Rep	Opp	Rev
Andrei Kliskin		8	8	7	4	7	9	4	8	6			
Kin Long Ao		7	5	7	3	8	8	6	7	5			
Peter Boross		7	5	6	3	8	7	6	7	6			
Chew Lok Yew		6	5	6	4	6	6	7	8	5			
Philip O'Neil		9	4	7	4	8	8	6	9	5			
	Acting Team Member	Vitor Tamae	Dmytro Tvardovskyi	Richard Zhu	Maksym Botsuliak	Patrick Prochazka	Vitor Daisuke Tamae	Patrick Prochazka	Thomas Ross-White Bergamaschi	Dmytro Tvardovskyi			
	Rejected Problems												
	Accepted Problem	9. Ball in a Tube			11. Air Hygrometer.			13. Resonating Glass					

Signature Fight Assistant: Sahitya Double-checked with Scoring Guidelines by second Fight Assistant (signature):