Round **Theo**

Group **α**

язык / language **English**

Evaluation criteria for problem № B1

of jury member OTA KÉHAR (CZ)
country

№	Abbreviation (if used in table)	Explanations of gradating sub-points	N of points
1	/	I do not use "Initial size of the star does not matter", because nobody of participant using this way	0
2	/	I do not use "Period depends on density ...", because nobody was using.	0
3	a	I used "Using difference in luminosities"	2
4	b	I used "Using irradiation law"	1
5	/	I do not use "Finding the density ...", because nobody was using.	0
6	c	I use "Finding radius of Betelgeuse"	2
7	d	I use "Using 3rd kepler's Law for period"	1
8	e	I use "Finding orbital period"	1
9	f	I use "Correct accuracy in the answer (not more 2 signif. digits)"	1
		Equivalent correct parts of other ways of solution	8
		Extra conclusions or correct additions (add. to 8 pt)	

8

Jury member signature _____

Round **Theo**

Group ~~α~~ β

язык language	**English**

Evaluation criteria for problem № β-2
of jury member K. PIMSAMARN (TH)
country

№	Abbreviation (if used in table)	Explanations of gradating sub-points	N of points
β-2	2.1	Conservation of Angular Momentum	1
β-2	2.2	Correct Formulation	1
β-2	2.3	Polar Ice Approximation	1
β-2	2.4	Parameter Substitutions	1
β-2	2.5	Transformation of Equation into $\frac{\Delta h}{\Delta T}$	2
β-2	2.6	Subtraction by 1.6ms/100yrs	1
β-2	2.7	Final Graph	1
		Equivalent correct parts of other ways of solution	8
		Extra conclusions or correct additions (add. to 8 pt)	

Jury member signature Kulapont Pimsamarn

Round **Theo**

Group ~~α~~ β

язык / language	**English**

Evaluation criteria for problem № β-4
of jury member Yoojea Kim (Korea)
country

№	Abbreviation (if used in table)	Explanations of gradating sub-points	N of points	
1		The relative configuration and motion of Sun, Moon and comet.	1	
2		in the evening	1	
3		Position of Sun in Taurus during 7~22 June.	0,5	
4		Position of Moon ~~in Gemini~~ relative to Sun ~~during 7~22 June~~.	0,5	
5		Position of Moon in Gemini constellation during 7~22 June	1	
6		The Moon in W or NW.	1	
7.		Artistic drawing	1	
8		calculations including synodic period of Moon considerations of leap years, etc with any reasonable considerations of other factors.	1	
9		It was observed on June 7-9, 813 in the beginning of standing.	1	
		Equivalent correct parts of other ways of solution	8	8
		Extra conclusions or correct additions (add. to 8 pt)		

Jury member signature _____