## (P) Counting in Roon (1/2) [15 Points]

Roon is an Austronesian language with approximately 1,000 speakers in Indonesia. Roon's terms for numbers have changed over the years. This problem investigates numbers in Roon at three points in time: the years 1855, 1955, and 2012. Some number terms have remained unchanged in this time:

Number	1855	1955	2012
2	nuru	nuru	nuru

## Others have changed once:

Number	1855	1955	2012
10	onemerim	safur	safur

However, the majority of number terms have changed twice:

Number	1855	1955	2012
7	onemenuru	rimenuru	fik
32	arzus safur nuru	aresoyosier safur nuru	ares kior beberin nuru

**P1.** Below are some more numbers or expressions in Roon, representing the same value in different years. + and × represent addition and multiplication respectively. Fill in the missing cells. Your answers should include only one number or number term, not a mathematical expression—that is, you should not use + or ×.

Number	1855	1955	2012
а.	nuru × ŋokor	rimeyosier	yosier + rim
b.	onem × fak	iŋokor × rimiŋokor	ares nuru beberin fiak
c.	safur onem + onemefak	aresoyosier rim	(siu × nuru) + fik
d.	arzus di nuru yoser + safur lim	safur nuru + aresonuru fak	ares rim beberin wonem
e.	fak	fak	fiak
3	f.	g.	kior
8	h.	i.	war
j.	k.	I.	safur fik
21	m.	n.	o.
79	p.	q.	r.

Notes: Some numbers have been slightly simplified. ŋ is pronounced like the ng in sing.



## (P) Counting in Roon (2/2)

F	P2. Explain the system of number terms at each of the three years.		

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