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# Gathic †manarois: A Hapax Expatiated Compositionally

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In this paper, as a demonstration of two innovative compositional approaches to the *Gathas*, Yasna 48.10"  $manar\bar{o}i\bar{s}$  will be shown to be an error for  $ma\vartheta r\bar{a}i\bar{s}$ . This exposition will lead to a new discussion of pejorative allusions to haoma in Yasnas 32 and 48. Along the way the semantics and/or etymology of the following words will be treated: Middle Iranian \*wiyākā- 'place', Old Avestan  $h\bar{s}sas-/-hi\bar{s}a$ -,  $a\eta haiia$ -,  $vafu(\bar{s})$ -,  $(m)\bar{i}za$ -,  $duua\bar{e}\vartheta\bar{a}$ ,  $\bar{a}i\vartheta i$ -, and  $ur\bar{u}paiia$ -.

It is a great pleasure to dedicate this article to Almut Hintze for her important Iranistic scholarship, including her study of the *Gathas*.

First the focal problem. Here is the line in which *manarois* occurs (the rest of the stanza, which is of no help for understanding this word, I leave for discussion after treating *manarois*).

48.10a *kadā mazdā # manaroiš naro vīsəntē*'When, O Mazdā, will men position themselves...?'

This context for *manarōiš* sheds no light on the meaning. The word has chiefly been guessed at via etymological assumption of a stem *manari*- from an underlying form \*mamri- (i.e. \*(h)mamri-), which is compared with the rare formation caxri- (Y 34.7b" caxraiiō) from  $\sqrt{kar}$  'make, do'; thus Humbach (1959, II, p. 79). Since  $\sqrt{(h)mar}$  means 'to keep account of, count, remember, rehearse', manarōiš has been translated accordingly with a range of meanings like 'announcement, message, reciter, believer (= observer), observance' etc.

Differently, Insler (1975, p. 92) translated 'murder' (i.e., as from  $\sqrt{mar}$  'to die'), rendering the line as 'When, Wise One, shall men desist from murdering?', taking  $v\bar{\imath}s\partial nt\bar{e}$  not as has become usual, '(they) undertake, take (up) position (for), become ready (for)', but rather 'desist', comparing Vedic ni viśate 'ceases, desists'. For this Insler offers two suggestions, both unlikely: (1) the n- of  $nar\bar{o}$  which precedes  $v\bar{\imath}s\partial nt\bar{e}$  has the effect of  $*n\bar{\imath}$ -; (2)  $*n\bar{\imath}$  in stanza 10 carried over from 7c' as an example of "the continuation of the force of a previously mentioned preverb without its direct repetition". Such a repetition in Y 48 depends on Insler's unconvincing emendations: 7a'  $n\bar{\imath}$   $a\bar{e}\bar{s}\partial m\bar{o}$  \* $d\bar{a}tam$ , Insler 'let fury be stopped'; and 11c  $k\bar{o}i$   $dr\partial guu\bar{o}.d\partial b\bar{\imath}\bar{s}$   $xr\bar{u}r\bar{a}i\bar{s}$  \* $r\partial m\partial m$   $d\bar{a}nt\bar{\imath}$ , Insler 'Which ones shall stop the cruelty (caused) by the deceitful?', both with  $\sqrt{d\bar{a}}$  taken as 'to stop'.

In fact, unemended Y 48.7a' nī aēšəmō <nī> diiātam (with <nī.> as repetition for Young Avestan grammatical explanatory purposes) 'may wrath/fury

be tied down' is confirmed by the Vedic stem dya- 'to tie', with cognates 7d'  $d\bar{a}m\bar{q}m$  'bonds, ropes' (Vedic  $d\bar{a}man$ - 'rope, tether'); note Y 46.6b"  $d\bar{a}m\bar{q}n$   $ha\bar{e}\vartheta ahii\bar{a}$ , '(into) the cords of the snare', Sogdian  $\delta\bar{a}m$ , Middle Persian  $d\bar{a}m$  'trap'. In the same Y 48.7 other words of this semantic field are  $hi\vartheta\bar{a}u\bar{s}$  'ally, \*alligatus',  $d\bar{c}dra\gamma z\bar{o}$  'wishing to hold fast', and viiqm 'encompassment, enclosure'. Unemended again,  $k\bar{o}i\,draguu\bar{o}.dab\bar{i}\bar{s}\,xr\bar{u}r\bar{a}i\bar{s}\,r\bar{a}mqm\,dant\bar{e}$  means simply 'which ones will establish peace as regards the gory wrongsome ones?'.

In the Vedic examples given by INSLER, the influential preverb is in the same stanza, and not at a distance, as in his alleged example in Y 48. While INSLER'S interpretation must be rejected, it is the only one which takes into account the seeming ablative/genitive syntagm of *manaroiš* with *vīsəntē*.

It somehow has evaded general notice that the text's  $manar\bar{o}i\bar{s}$  was challenged by the young Walter Bruno Henning, as recorded by LOMMEL (1935, p. 132), " $manar\bar{o}i\bar{s}$  zweisilbig. Ob Fehler für \* $ma\vartheta r\bar{o}i\bar{s}$ ? (Henning); Instr. pl. vokalisiert wie Dat. auf  $-\bar{o}ib\gamma\bar{o}$ ?".

Reserving for later another explanation of  $-\bar{o}i\dot{s}$  along with a suggested scenario for the origin of  $manar\bar{o}i\dot{s}$ , I now propose correction to  $*ma\partial rai\dot{s}$  (instrumental plural of  $ma\partial ra$ - 'charged poetic formulation') which I shall now prove by employing the two relevant compositional principles.

Each principle to be now described was first adumbrated in Schwartz 1991, pp. 128–132 (on the ring-composition of Y 50 as typical of, in effect, all the poems of the Gathic corpus), and p. 143 with p. 161 (Y 32.7 forwards to the end, stanza by stanza, based lexemically on the backwards recollection of Y 46 from its end [stanza 19] to stanza 6). It was only in Schwartz 2002 [2006] that, in addition to giving an expanded and systematic account of Gathic complex ring-composition (pp. 53–54), including an exposition of first-stage and second-stage ring-composition, I showed (pp. 55–63), with a series of charts, how the kind of intertextual relationship I had demonstrated in Schwartz (1991) for Y 46 and Y 32 in fact extends to pairs of poems throughout the Gathic corpus. I continued this latter demonstration with many more charts in Schwartz 2003a [2007]; 2009; 2015; 2017; 2018; 2019, pp. 265–266.

As for the first principle, I now call it, in reference to requisite individual word-correspondences within a concentric ring-compositional arrangement of stanzas, by the iconizing acronym SOLOS = "Stanzaically organized, lexemically obligated symmetry". For the second principle, I shall continue the acronym introduced in SCHWARTZ (2018, p. 217), SCRIM = "Serially correspondent recursive intertextual mechanics". The acronym also serves for comparison of a *scrim* cloth, whose opacity is dispelled by a light shining through, to a pile of transparent sheets each of which charts the consecutive correspondences in the vocabulary of two paired poems, whereby the cumulative superimposed transparencies would constitute an opacity

1 Excellently explained at length in Humbach 1991, II, p. 201 (6). I add that from the idea of 'circumscribed or enclosed area', \*v(i)yā-kā- > Sogdian wiyāk, Parthian wiyāg, Middle Persian gyāg 'place', Khwarezmian wy'k 'house'.

which would become clear as they are individually examined. I note that the correlations in both SOLOS and SCRIM are lexemic, i.e. they may be at the levels of completely inflected words; or stems; or roots; or, alternatively, near-homophones.

The large total number of SCRIM charts is *inter alia* due to their multidirectionality, with regard to the beginning and end of each of the paired lists, and to the fact that the charts are both of first-stage compositions (proto-poems) and second-stage compositions (final poems), as determined by SOLOS. In this article I shall present only a small sample of SCRIM charts (as also of SOLOS charts), sufficient to confirm the emendation of *manaroiš* to *maðrāiš*. This limitation in scope goes along with my having to postpone for another publication the reasons for my sequencing of the Gathic poems. I shall give for the first time a brief summary of my thoughts on the functional role of the SCRIM principle, this summary complementing my earlier observations (cf. Schwartz 2009).

Since *manarōiš* occurs in the midst of the proto-poem Y 48.7–12, it is from the latter that we must proceed. Y 48.7–12 became the second half of the final Y 48 (the first half, Y 48.1–7, which was formed by the SOLOS principle from Y 48.7–12 and by SCRIM from Y 30,<sup>2</sup> itself shows the same SOLOS structure of Y 48.7–12). Here is the SOLOS structure which shows Y 48.7–12 is formally a poem in its own right:

### Chart I

48.7a′	aēšəmō	'fury, wrath'
48.8a"	хšадrahiiā	'might, dominion'
48.9a′	kadā	'when?'
48.10a′	kadā	'when?'
48.11b′	хšадrā	'might, dominion'
48.12d"	aēšəm.mahiiā	'fury, wrath'

Flanking of the central stanza pair:

48.8b′	ašōiš		48.9d"	ašiš
		'reward'		
48.10a"	dušə <u>xšaθrā</u>		48.11b′	хšадrā
		'might, don	ninion'	

Chiastic correlations of the central with the outlying stanzas:

48.9a'	saošiias	48.12a"	saošiiaņtō
	•	'future weal-holders'	
48.10a"	$narar{o}$	48.7c"	$nar{a}$
		'man'	

2 SCHWARTZ 2014, where in the SCRIM chart for Y 30.1-11: Y 48.1-12, add Y 30b 10b" bušitōiš: Y 48.11b' hušaitiš.

Before proceeding to our first SCRIM chart evidencing *manarōiš* for *maðrāiš*, and involving Y 32.13c from the second part of Y 32 (which part will prove important for Y 48.7–12 in its relationship to *haoma*), where the correspondence for *manarōiš* is *maðrānō* from *maðrān-* \*/manðra'an-/ 'someone who delivers a *maðra-*', it is relevant to provide SCRIM charts for final poems, which have straightforwardly attested forms of /manðra'an-/ and /manðra/ in correspondences. The next chart, which has many precise correspondences, features Y 32.13c' *maðrānō*, which will again figure importantly below as evidence for Y 48.10a" *manarōiš* < *maðrāiš*. In addition, another SCRIM chart will be given, again with Y 32.13c' *maðrānō* corresponding to an inflected form of *maðra-*; here the comparison will be between two proto-poems.

		Chart II		
32.16c"	drəguuatō	'wrongsome'	45.1d"	drəguuå
32.15b"	nōiţ	'not'	45.2c'	nōiţ
32.14a"	$xrat\bar{u}$	'intellect'	45.2c"	xratauuō
32.13c'	mą&rānō	'тадra-(+)'	45.3c"	mądrəm
32.13a'	hīšasaţ	√'tie'³	45.4c"	vīspā. <u>hišas</u>
32.12a'	srauuaŋhā	√'hear'	45.5b'	srūidiiāi
32.12a"	marətānō	'mortals'	45.5b"	marətaēibiiō

3 hīšasat (perhaps via analogy with Y 31.4 išasā) < \*hiša- = Vedic siṣā- 'tie'. Note the parallel cognate phrases Y 32.13a' grāhmō hīšasat and Y 32.14a' \*grāhmā ā hōiθōi (on which see Schwartz 2015; 2017). Y 32.13a' hīšasat correlates by SCRIM with Y 29.1bā... hišāiiā 'has tied up', and by connection in the coda with Y 32.16c" aŋhaiiā < \*/ā hāyayā/ 'I may tie up', cf. Chart IV, aŋhaiiā: hīθāuš 'ally, alligatus'. Our -hišas is nom. athematic pres. ptc. \*hišat-. The stem \*hiš- would be from Proto-Indo-European \*si-sh₂- alongside \*si-sh₂-e- > Vedic siṣā-, Av. \*hiša-. Cf. Kellens-Pirart 1990, p. 329, hišat-. Y 45.4e nōiṭ diβžaidiiāi vīspā. hišas ahurō 'not to be deceived is the all-tying Ahura' is archaic, representing a god like the Vedic Varuṇa with his snares/fetters. The latter lines, plus Y 32.16c aēnaἡhē drəguuatō... aŋhaiiā 'may I capture/fetter the wrongsome for their violation/violence', compare with an address to Varuṇa, Mitra, and Aryaman, in a hymn to the Āditya-s, RV 8.67.7c–8a:

ādityā ádbhutainasaḥ mā nah sétuh sised ayám ...

'O Adityas, <u>undeceived</u> (ádbhuta-, cf. Y 45.4e' nōiṭ diβžaidiiāi) as to <u>offense</u> (énas-, cf. Y 32.16c"), may that fetter (sétu-, cf. Y 32.14a' haēθa-) not tie (siṣa-, cf. Y 32.13a' \*hiša-, Y 45.4c" -hiš-) us...' For Y 32.16c" aŋhaiiā < \*/ā hāyayā/, see Chart VI below.

32.11c"	vahištāţ	45.6e"	vahištā
	'best'		
32.10b"	drəguuatō	45.7d"	drəguuatō
	'wrongsom	ie ones'	Ü
32.9c"	mainiiāuš	45.8c'	mainiiāuš
	'of spirit'		
32.8b'	cixšnušō	45.9a'	cixšnušō
	'wishing to	gratify'	
32.7b"	srāuuī	45.10b"	srāuuī
	'was heard	,	
32.6c'	хšaдrōi	45.10d′	$x\check{s}a\vartheta rar{o}i$
	'in the don	ninion'	
32.5b"	daēuuāṇg	45.11a'	daēuuāṇg
	'demons (a	cc.)'	
32.4b′	mašiiā	45.11a'	mašiiąscā
	'mortals'		
32.3b"	pairi <u>matōišca</u>	45.11b′	tarā <u>mainiiaņtā</u>
	√'think'		
32.2c'	ārmaitīm (*/aramatim/)	45.11c"	arām mainiiātā
	'harmonio	usly √think'	
32.2c'	spəṇtạm	45.11 d"	spəṇtā
	'holy (fem.	)'	
32.1b"	ahurahiiā mazdā	45.11e"	mazdā ahurā
	'Mazdā Al	ıura'	

The next two SCRIM charts, each of which provides independent correlations of /man3ra-/ and /man3ra'an-/, are noteworthy for the bidirectionality of one SCRIM series vis-à-vis the other series, and for the featuring of Y 50, which will prove of further importance for this study. The shared collocation of /man3ra-/~/man3ra'an/ with zara3uštra- in the absolute center of both Y 28 and Y 50 is part of a shared overall compositional scheme bringing together the middle portion with the first and last stanzas, and highlighting the reciprocal relationship between Mazdā as Zarathushtra's aider/supporter, and Zarathushtra as His spokesman.

Chart III

28.1e"	uruuānəm	·12	50.1a′	uruuā
28.1c"	gāušcā	'soul'	50.2a"	gąm
28.2b"	dāuuōi	√'give'	50.2d"	dāhuuā
		V 2110		

28.3c'	varədaitī	·· ,	50.3c"	varədaiiaētā
28.4d"	aēšō	'increase' 'might'	50.4c"	īšō
28.5c'	mą∂rā	'maдra-(+)'	50.5b"	mą&rānē
28.6b"	zaraθuštrāi	'Zarathushtra	50.6b′	zaraθuštrā
28.7b"	maibiiācā	'to/for me/my	50.7d"	mahmāi
28.8b'	<u>nar</u> ōi	' <u>vir</u> (tus)'	50.8d"	hu <u>nar</u> ətātā
28.9c"	īšō	$\sqrt{\text{have might}}$	50.9e"	išaiiąs
28.10c′	xšmaibiiā	'to/for you'	50.10d"	xšmākāi
28.11c"	aŋhuš	'existence'	50.11c'	aŋhōuš
		Chart IV	,	
38.11b"	θβahmāţ	'of Thine/Th	50.1c"	θβaṯcā
28.10c"	dāθōṇg	'lawful'	50.2d"	$d\bar{a} \vartheta  ightarrow m$
28.9c"	хšадrъmcā	'power, domi	50.3b'	хšадrā
28.9b"	stūtąm	√'praise'	50.4a"	stauuas
28.8a"	ašā vahištā	'with Best Ri	50.4b ghtness'	aṣā vahištācā
28.7c"	mą&rā	'тадra-(+)'	50.5b"	mą&rānē
28.6b"	zaraθuštrāi	'Zarathushtra	50.6b"	zaraduštrō
28.5c"	hizuuā	'tongue'	50.6c"	hizuuō
28.4a"	vohū mana	0	50.7c" Mind'	vohū manaŋhā
28.3d"	jasatā	'come'	50.8b"	pairī.j <u>asāi</u>

28.2a'	$v\ddot{ar{a}}$		50.9a′	$v\ddot{a}$
28.1b"	ś̃iiaoθanā	'You (acc.)' 'actions'	50.10a"	šiiaoдапā
28.1b"	aṣā	with Rightn	50.11b'	ašā

In the next SCRIM chart, of two proto-poems each proceeding backwards, allowance (\*) is made for the independently necessary rearrangement, for reasons of SOLOS, of Y 31.15 as & 31.\*13, and Y 31.13–14 as Y 31.\*14–\*15; see Schwartz 2002 [2006], p. 54 (left column). Further, again for reasons of SOLOS, whereby the present Y 32.7c" irixtəm 'left over, remainder' must correspond to the cognate Y 32.11b" raēxənaŋhō 'of inheritance', and other SOLOS correlations, Y 32.6b hātā.marānē ahura # vahištā vōistā manaŋhā has been reconstructively changed to "yaēšamcīţ tū irixtəm # vahištā vōistā manaŋhā, and Y 32.7c yaēšam tū ahurā irixtəm māzdā vaēdištō ahī similarly becomes Y 32.\*7b' \*hātā.marānē ahurā # tuūn mazdā vaēdištō ahī, and Y 32.7b yā jōiiā sānghaitē # yāiš srāuuī x³aēnā aiiaŋhā is moved down to become Y 32.7\*c. These modifications are confirmed by SCRIM.

### Chart V

32.13c"	mą∂rānō	(m) (1)?	31.18a"	mą&rąscā
32.12c	aṣāṯ drujəm	'ma\ra-(+)' 'Right (-)' vs.	31.17a	ašุauuā vā drəguuå vā
32.12c	varatā		31.16c"	vərənuuaitē
32.12a"	šiiaodanāţ	√'opt for, beli	eve 31.*15b"	yā.š <u>iiao&amp;anascā</u>
32.11c'	ašaonō	'action'	31.*15b"	ašaonō
32.11a"	drəguuaṇtō	'righteous (ac	31.*15c'	drəguuō.dəbiiō
32.10a′	vaēnańhē	'wrongsome (	(pl.)' 31.*14c"	aibī. <u>vaēnahī</u>
32.9b'	apō <apa><u>i</u></apa>	'see' <u>iaņtā</u>	31.*14b"	ai <u>iamaitē</u>
32.9a'	jiiātāuš	√yam 'grasp'	31.*13b"	jiiōtūm
32.8a′	aēnaŋhạm	ʻlife'	31.*13b′	aēnaŋhō
32.7c"	vaēdištō	'violation'	31.12b'	vīduuå
		'knowing'		

32.7*c"	sāṇghaitē	31.11c'	sāṇghąscā
	√ʻproclai	im'	_
32.7*b′	hātā. <u>marānē</u> ⁴	31.19c	hu <u>mərətōiš</u>
	√'keep a	ccount'	

The remaining Gathic attestations of  $ma\vartheta ra$  and  $ma\vartheta ran$ - all correspond via SCRIM, as shown in the charts below involving the proto-poem Y 48.7–12. In the SCRIM charts below I shall maintain Y 48.10a"  $manar\bar{o}i\check{s}$  without emending it to  $*ma\vartheta r\bar{a}i\check{s}$ , but shall indicate its erroneous nature by a dagger:  $\dagger manar\bar{o}i\check{s}$ .

The next chart features the remarkable extensive correlation of Y 32.16b' with Y 48.9a"-b, and of (Y 32.14b", Y 48.10a") the only Gathic occurrences of verb *vīsa*-.

### Chart VI

32.16c"	aŋhaiiā	48.7c"	hiðāuš
	√'tie' <sup>5</sup>		
32.16c"	išiiāṇg	48.8c"	išiiā
	'to be sent	,	
32.16b	xšaiiąs mazdā ahurā # yeh	biiā mā aidīšcī	t duuaē dā
48.9a″-b	xšaiia&ā ## mazdā # ye	ehiiā mā āiθiš	duuaē dā
	'have control over whoever	is my (to me) d	read and consternation'6
32.15c"	vaŋhōuš manaŋhō	48.9c"	vaŋh̄əušmanaŋhō
	of Good 1	Mind'	
32.14b"	vīsāṇtā	48.10a"	vīsəṇtē
	'move into	position towa	ırd'

- 4 The hypermetrical  $h\bar{a}t\bar{a}.mar\bar{a}n\bar{e}$  is an error in early written transmission for \* $h\bar{a}ta.mar\bar{a}n\bar{e}$ , the correct form underlying Yašt 1.8  $h\bar{a}ta.mar\bar{a}n\bar{i}$ . As 'Accounter of what is earned or deserved' ( $h\bar{a}ta$  from  $\sqrt{han(H)}$ ), cf. Pahlavi pad win $\bar{a}h$  ud kirbag  $\bar{a}m\bar{a}r$  kuned 'makes an account of sin and piety'. The wrong  $h\bar{a}t\bar{a}.mar\bar{a}n\bar{e}$  should therefore not be compared in form with vouru.caš $\bar{a}n\bar{e}$  Y 33.13, but rather with e.g. Av.  $f\bar{s}aoni$   $<\sqrt{f}au$ , Vedic vahni-  $<\sqrt{vah}$ , etc.
- 5 Y 32.16c" aŋhaiiā 'that I might capture/fetter' < \*/āhāyayā/ (with late insertion of ŋ, or, less likely, via \*åŋhāiiā), cf. INSLER 1975, p. 210, with parallels for the contraction. The word satisfies the obligatory final-stanza connection to the central portion of the poem, with hāitīm taken as 'linkage, (\*concentrically concatenating) Gathic poem', and it obligatorily connects with the cognate Y 32.13 hīšasat (on which see above) in forming a coda to the proto-poem; see Schwartz 2002 [2006], pp. 53, 58.
- 6 /āθi-/ only occurs in these two passages. It is a "Caland system" variant of \*/aθra-/, which became /āθri-/ via /āθi-/; thus āθri- Y 46.8b", cf. Pahlavi 'hr, 'dread'. In Schwartz (1990, p. 203) I proposed the latter words to be cognate with Latin atrōx 'dreadful', in early collocation with 'incerta, instabilis', which points the way to the underlying meaning of the Iranian. Note the pairing with dunaēθā \*'twoness', i.e. 'being of two minds', Pahlavi gloss gumānīg(īh), referring to the indecision of sudden panic. These details do not appear in the interesting and relevant discussion of dunaēθā by BENVENISTE (1976, p. 294), in which the latter word and Proto-Indo-European \*√dwey 'to fear' are illuminated in terms of twoness at Hom. Iliad IX.229–230.

32.13c'	mą∂rānō	48.10a"	†mąnarōiš
		'тадra-(+-)'	
32.13a'	хšадrā	48.10b"	хšадrā
		'with domination'	
32.12a	śiiaodanāţ	48.12e'	ś̃iiaoθanāiš
		'action'	

In the next SCRIM chart, Y 48.10a" †manarois is again part of a reception from an earlier-composed poem. The chart features correlation of the only occurrences of vafu(s)- '(cosmic) pattern/design (which shows the future)'.

		Chart VI	I	
29.1b'	aēšəmō	'wrath, fury'	48.7a′	aēšəmō
29.2b"	xšaiiaņtō	√'rule'	48.8a"	xšaθrahiiā
29.3b'	šauuaitē	√'agere'	48.8d"	śiiaodənąm
29.4a"	yā zī	'rel. + *zi'	48.9a"	yezī */yazi/
29.5c"	<u>ərəž</u> əjiiōi		48.9c'	ərəš
29.6a'	vaocaţ	'correctly'	48.9c'	ūcąm
29.6a"	vafūš	√'speak'	48.9c"	vafuš
29.6a"	vīduuå	'(prognostic)	pattern' 48.9d	vīdiiāţ
29.7a"	mą&rəm	√'know'	48.10a"	†mąnarōiš
29.8b"	mazdā aṣā		48.11a	mazdā a <u>š</u> ā
29.9b"	īšā. <u>xšaθrīm</u>	'Mazda R 'power(-)'	48.11b'	хšадrā
		T /		

<sup>7</sup> The meaning of  $vafu(\check{s})$ - involves knowledge of the future. Accordingly derivation directly from  $\sqrt{vaf}$  'to weave' gives the basic semantics 'a weave/weft (of a carpet' > 'design/pattern (of destiny)', cf. Onians 1968, pp. 349–351 "The Weaving of Fate". A stem  $vapu\check{s}$ - '(\*weaving) design/pattern' allows possible connection with Vedic  $v\acute{a}pus$ - 'form (as in go-vapus- 'cow-shaped'), beautiful shape, marvel', from \* $v\acute{a}bhus$ - with conceivable influence of Vedic  $v\acute{a}pati$  'shears, shaves', which may have been used for the trimming of textiles. Cf. Schwartz 2003b, p. 210.

29.10b"	hušəitiš	48.11b"	hušəitiš
	ʻgood d	welling'	
27.13b″8	śiiaodənanam	48.12c'	šiiaodənāiš
	'actions'	,	

In the next two SCRIM charts, Y 48 is donor to the subsequent poem, Y 44. Thereby, as per Charts VIII and IX, in the second part of Y 44  $ma\vartheta ra$ - occurs twice, i.e. at Y 44.14 and at Y 44.17. Interestingly, these two attestations of  $ma\vartheta ra$ - are in stanzas which stand, as per SOLOS, counter to one another, the two flanking the central stanza-pair of the proto-poem Y 44.11–20 (i.e. the second half of the final Y 44), Y 44.15–16, the latter two stanzas united by each having  $p\bar{o}i$  'to protect' as second word of the b" hemistich, in the context of victory of the righteous over the wrongsome, via divine word. The two occurrences of  $ma\vartheta ra$ - which are positioned counter to one another are also thematically opposed in accord with the dualism at hand:

Y 44.14b–d: 'How may I deliver Wrongness into the hand(s) of Rightness, so as to sweep it (Wrongness) down and away via the  $ma\vartheta ra$ -s of Thy proclamation, to make a strong breach among the wrongsome?'.

Y 44.17c-e: '[Having from You] an associative nexus with You, that my voice be mighty for there to be brought about Integrity and Immortality in a union via that  $mq \Im ra$ - which constitutes an adhesion in association with Rightness?'.

### Chart VIII

48.7c'	aēšəmō	44.20c"	aēšəmāi
48.8a′	'wrath' xšaθrahiiā	44.20a"	hux <u>ša&amp;rā</u>
48.9c′	ʻdominatio ərəš ūcam	on´ 44.19c″	ərəžuxδā
10.70	'speak cori		8182 <i>u</i> 20u
48.10a′	kadā	44.18b′	kaðā
	'(interrog.)		•
48.10a"	†mąnarōiš	44.17e'	mądrāiš
	ʻmandra-'		
48.11b′	jima <u>t</u>	44.16d′	jaṇtū
	√'come'		•
48.12c	θβahiiā sānghahiiā	44.16b"	θβa sāṇghā
	'Thy procl	amation'	

For Y 27.13 shown by SOLOS to have been the original final (11<sup>th</sup>) stanza of Y 29, see Schwartz 2003b, pp. 215–217.

### Chart IX

48.12"	θβahiiā mazdā	44.11 c'	$mazdar{a}\dots$
	'O Mazda,	Thy'	
48.12a"	saošiiaņtō	44.12d′	sauuā
	√have wea	ıl'	
48.11d′	vaŋhōuš manaŋhā	44.13e"	vaŋh̄əušmanaŋhō
	of Good N	Mind'	
48.10a"	†mąnarōiš	44.14c"	maðrāiš
	'mạn9ra-'		•
48.9a"	xšaiia&ā	44.15b"	$x$ šaiiah $ar{\imath}$
	'rule, contr	rol'	
48.8 (3x)	kā	44.15c'	kahmōi
. ,	'who?'		
48.7d"	dạm	44.16c'	dam
	'in the hou	ıse'	•

Charts VI–IX make it clear that †manarōiš corresponds via SCRIM to forms based on maθra-, and given the termination -iš, the emendation to \*maθrāiš is clearly indicated. Some confirmation is shown in Chart IX, in which Y 48 is lexemic donor to Y 44. Y 48.10" gives as its correspondent Y 44.14c" maθrāiš, which occurs in the proto-poem Y 44.11–20 as the first of the two correspondents to †manarōiš (the second being Y 44.17e' maθrā, as per Chart VIII). In fact, Y 44.14 shows a general parallelism to Y 48.10. Omitting the recurringly fixed incipit at Y 44.14a, we have Y 44.14b beginning with kaθā 'how?' with continuation at 14c, nī hīm məraždiiāi # θβahiiā maθrāiš sōnghahiiā 'to sweep it down and away with maθra-s of Thy proclamation', cf. Y 48.10a' kadā 'when?' and following manarōiš, 10b kadā ajān 'when will one beat (down/away)...'. The phrase θβahiiā ... sōnghahiiā 'at Thy proclamation' seen at Y 44.14b also occurs at the end of Y 48 (12c"), with regard to the actions whereby (12a") saošiiantō daźiiunam 'the weal-givers of the lands' will be (12d) those who expel wrath.

The final stanza is linked to Y 48.10 compositionally through 10d" dušəxšaθrā daxiiunam 'the misrulers of the lands' (= the kauui-s), paired with 10c 'the karapan- (priests)'. This linkage implies connection of 10a" manarōiš (\*maθrāiš) with 12c" θβahiiā mazdā sānghahiiā 'of Thy proclamation, O Mazdā'.

In Y 44.20, the *kauui*- and *karapan*- are again mentioned as connected with wrath. The thematic relationship between Y 48.7–12 and the last stanzas of Y 44 accord with the formal relationship shown by SCRIM, whose charting completes that already given for Y 48.7–12 vis-à-vis Y 44.10 seq.:

### Chart X

48.12e	dātā aēšəm	.mahiiā <sup>9</sup>	44.20c"	aēšəmāi dātā
		'wrath' + 'as	ssign'	
48.11b′	хšадrā		44.20a"	hux <u>šadrā</u>
		'rule'		
48.10a′	$narar{o}$		44.19c"	$n\bar{a}$
		'man'		
48.9c'	ərəš ūcam		44.19e"	ərəžuxбā
		'speak corre	ectly'	
48.9b'	ašā	-	44.18b′	ašā
		'with Right	ness'	
48.8ď	īštiš	o o	44.17c"	aēšō
		'might(y)'		
48.7a"	dạm		44.16c'	dạm
		'in the hous	e'	

A further SCRIM chart of Y 48 as donor to Y 44 also extends to lexemic material in and past the first half of Y 44. The donations include an instance in which Y 48.10c"  $\dagger manar\bar{o}i\check{s}$  gives as correspondent a form phonically like, but not identical, to  $ma\vartheta r\bar{a}i\check{s}$ .

### Chart XI

48.12a"	səṇghahiiā		44.1 c"	saxiiāţ
48.12b"	hacåntē	√'proclaim'	44.1 d"	hākurənā
		√'associate'		
48.12b	vohū manaŋh	ā	44.1c"	vohū manaŋhā
	-	'with Good N	Mind'	
48.12a"	saošiiaņtō		44.2c'	sūidiiāi
		√'have weal'		
48.11d′	kāṇg		44.3d′	$kar{\imath}$
	. 0	'who?'		
48.11c"	damiš		44.4c"	$d\mathring{\bar{a}}ntar{e}$
		√'establish'		
48.11c'	$kar{o}i$		44.4c", d'	kā
		'who?'	,	

9 The odd spelling aēšəm.mahiiā for expected \*aēšəmahiiā (with aēšəmV- as in aēšəmō Y 29.1, Y 48.7; aēšəməm Y 29.2, 30.6, Y 49.4; and aēšəmāi Y 44.20) is explained in Schwartz 2019, pp. 265–266 (with SCRIM chart) as being like Y 44.20 hīm mizān for hīm +īzān with gemination to mm in final line, in accord with other instances reflecting "dragging" recitations in final lines.

\( \frac{\sqrt{think'}; -\delta r - \righta{4.5b''} \) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	48.10a"	†mąnarōiš		44.5e'	manao∂rīš
48.8d'       mainiiāuš       44.7e'       mainiiū         48.7c'       spəṇtō       44.7e"       spəṇtā         48.6d'       aŋhāuṣˇ       44.8d"       aŋhāuṣˇ         48.5c'       yaoždā       44.9b"       yaoš dānē         'impart vitality (to)'¹¹⁰       48.5a       huxṣˇaŷrā duṣˇaxṣˇaŷrā       44.9d"       xṣˇaŷrā         48.4b'       daēnam       44.10c'       daēnam         'envisionment (f. acc.)'       48.3a"       vahiṣtā       44.10b"       vahiṣtā         48.2b'       jimaitī       44.11b"       vījāmiiāţ         √'come, go'       44.12c"       angrəm	48.9d′	aŋhaţ			haiⅈā
48.7c' spəṇtō 'holy'  48.6d' aŋhōuṣˇ 44.8d" aŋhōuṣˇ 'of existence'  48.5c' yaoĕdā 44.9b" yaoš dānē 'impart vitality (to)'¹⁰  48.5a huxṣ̌aϑrā duṣ̌əxṣ̌aϑrā 44.9d" xṣ̌aϑrā 'dominion'  48.4b' daēnam 44.10c' daēnam 'envisionment (f. acc.)'  48.3a" vahiṣ̌tā 44.10b" vahiṣ̌tā 'best'  48.2b' jimaitī 44.11b" vījāmiiāt √'come, go'  48.1b' aṣ̣ašutā 44.12c" angrəm	48.8d′	mainiiāuš		44.7e'	mainiiū
48.6d' aηh̄σuš 44.8d" aηh̄σuš 'of existence'  48.5c' yaoždā 44.9b" yaoš dānē 'impart vitality (to)'¹¹⁰  48.5a huxšaŷrā dušəxšaŷrā 44.9d" xšaŷrā 'dominion'  48.4b' daēnam 44.10c' daēnam 'envisionment (f. acc.)'  48.3a" vahištā 44.10b" vahištā 'best'  48.2b' jimaitī 44.11b" vījāmiiāt √'come, go'  48.1b' aṣašutā 44.12c" angrəm	48.7c'	spəṇtō	•	44.7e"	spəṇtā
'impart vitality (to)' $^{10}$ 48.5a $hux \check{s}a \vartheta r \bar{a} \dots du\check{s}a \chi \check{s}a \vartheta r \bar{a}$ 44.9d" $x\check{s}a \vartheta r \bar{a}$ 'dominion' 48.4b' $da\bar{e}nqm$ 44.10c' $da\bar{e}nqm$ 'envisionment (f. acc.)' 48.3a" $vahi\check{s}t\bar{a}$ 44.10b" $vahi\check{s}t\bar{a}$ 'best' 48.2b' $jimait\bar{i}$ 44.11b" $v\bar{i}j\bar{a}mii\bar{a}t$ $\sqrt{come, go'}$ 48.1b' $a\underline{s}a\check{s}ut\bar{a}$ 44.12c" $angram$	48.6d′	aŋhōuš	,		aŋhōuš
48.5a $hux \check{s}a \vartheta r \bar{a} \dots du\check{s} \vartheta x \check{s}a \vartheta r \bar{a}$ 44.9d" $x\check{s}a \vartheta r \bar{a}$ 'dominion'  48.4b' $da\bar{e}nam$ 44.10c' $da\bar{e}nam$ 'envisionment (f. acc.)'  48.3a" $vahi\check{s}t\bar{a}$ 44.10b" $vahi\check{s}t\bar{a}$ 'best'  48.2b' $jimait\bar{i}$ 44.11b" $v\bar{i}j\bar{a}mii\bar{a}t$ $\sqrt{come, go'}$ 48.1b' $a\underline{s}a\check{s}ut\bar{a}$ 44.12c" $angram$	48.5c'	yaoždå	'impart vital		yaoš dānē
'envisionment (f. acc.)' $48.3a''  vahišt\bar{a} \qquad 44.10b''  vahišt\bar{a}$ 'best' $48.2b'  jimait\bar{\imath} \qquad 44.11b''  v\bar{\imath}j\bar{a}mii\bar{a}t$ $\sqrt{\text{come, go'}}$ $48.1b'  \underline{asašut\bar{a}} \qquad 44.12c''  angram$	48.5a	hu <u>xšadrā</u> a	lušə <u>xšadrā</u>		хšадrā
$48.3a'' \qquad vahišt\bar{a} \qquad 44.10b'' \qquad vahišt\bar{a}$ $48.2b' \qquad jimait\bar{\iota} \qquad 44.11b'' \qquad v\bar{\iota}j\bar{a}mii\bar{a}t$ $\sqrt{\text{come, go'}}$ $48.1b' \qquad \underline{asasut\bar{a}} \qquad 44.12c'' \qquad angram$	48.4b′	daēnąm	'envisionmen		daēnąm
√'come, go' 48.1b' <u>as</u> ašutā 44.12c" aṇgrəm	48.3a"	vahištā			vahištā
48.1b' <u>as</u> ašutā 44.12c" aṇgrəm	48.2b′	jimaitī	√'come, go'	44.11b"	vī <u>jāmiiā</u> ţ
,	48.1b′	<u>as</u> ašutā	C	44.12c"	aṇgrəm

A phonic relationship between  $mq\vartheta r\bar{a}i\check{s}$  /man $\vartheta r\bar{a}i\check{s}$  / and  $manao\vartheta r\bar{i}\check{s}$  /man $\vartheta r\bar{i}\check{s}$  / is obvious. It is likely further that  $manao\vartheta r\bar{i}$ - 'reminder' was associated with  $mq\vartheta ra$ - through  $\sqrt{man}$  'to think', of which "manau- 'to remind' is a regular derivative verbal stem with suffix  $-\vartheta ri$ -, cf.  $bar\vartheta \bar{r}i$ - 'bearer (f.)'. Thus the correspondence of  $manao\vartheta r\bar{i}\check{s}$  may be added as "circumstantial evidence" to the SCRIM charts which prove that † $mqnar\bar{o}i\check{s}$  is for " $mq\vartheta r\bar{a}i\check{s}$ .

It may now be suggested how Y 48.10a" manarōiš came about as an error for \*ma\theta rāiš. The primary fact is that at Y 48.10a †manarōiš replicates within itself the following word, narō. Secondly, Y 48.10b" mū\theta rəm follows closely nearby. The situation allows this explanation: proceeding from \*ma\theta rāiš narō \ldots mū\theta rəm, with regard to a very early manuscript: narō was accidentally omitted, and then supplied above \*ma\theta rāiš and was viewed by a second scribe as a correction of \*ma\theta rāiš (itself visually dissimilated, as it were, by the m-\theta r- of mū\theta rəm). Thereupon narō was inserted into \*ma\theta rāiš, yielding manarōiš; then narō was restored on the basis of another manuscript, or recollection via oral tradition, whereby manarōiš narō continued in subsequent texts.

<sup>&#</sup>x27;Impart vitality to' (yaoš gen. to  $\bar{a}yu$ - + \* $\sqrt{d(h)}\bar{a}$ , cf.  $m\bar{o}ng$  +  $\sqrt{d\bar{a}}$ ,  $m\bar{q}zd\bar{a}$ -) as at Y 46.18 yaoš... daidītā. The ritual meaning 'to purify' in later texts amounts to making something belong to the realm of life and not death. See further SCHWARTZ 2003b, pp. 228–234.

As for Y 48.10 as a whole, I plan to discuss the passage in great detail in a study on the *Gathas* and *haoma*. For now, some brief remarks will serve to introduce my translation and textual annotations. The proto-poem Y 48.7–12, which figures importantly in our SCRIM charts, is, as seen from Chart VI, the continuator of the second part of Y 32 (Y 29, cf. Chart VII, was composed before Y 32, and is probably the oldest Gathic poem<sup>11</sup>). Now, Y 32.7 seq. is chiefly a riposte to the Old Avestan prototype(s) of the Haoma-hymns Y 9 and Y 10, as is shown cumulatively *inter alia* by Y 32.8 (rebuke of Yima and his father, the mythical founder of the Haoma cult); Y 32.10, which begins with *huuō mā* = /hau mā/, cryptic paronomasia for /haumā/ = *haomā* 'via *haoma*'; and then has  $va\bar{e}na$ -,  $gam a\bar{s}ibii\bar{o}$ ,  $vadar\bar{o}$ ,  $v\bar{o}i\bar{z}da$ -, and  $a\bar{s}\bar{a}un\bar{e}$ , all found in Y 9.29–30; and Y 32.14c"  $d\bar{u}rao\bar{s}a$ -, epithet of Haoma at Y 9.19 (and Y 9.2).<sup>12</sup>

The rebuke of Haoma, with allusions to material found at Y 9 and Y 10, continues in Y 48.7–12, in the central part of which we find Y 48.10 as a riposte to what is to be reconstructed as the Old Avestan octosyllabic verses which yield Y 10.8:

\*/vispai zi anyai madahā
aišmā hacantai xru'idrū
at hai yah haumahya madah
artā hacatai vrāzmanā/<sup>13</sup>
'For all other intoxications
are accompanied by wrath whose-club-is-gory,
while the intoxication which is Haoma's,
it is, via Rightness, accompanied by bliss.'

The vocabulary of the foregoing is reflected, as per the lexematics of SCRIM (and SOLOS), in Y 48.10–12: \*/madahā/ ~ \*/madah/ > 10b"  $madahii\bar{a}$ ; /xru'i-/ > 11c"  $xr\bar{u}r\bar{a}i\check{s}$ ; /haca(n)tai/ > 12b"  $hac\bar{a}nt\bar{e}$ , and /aišma-/ yields an iconic frame of beginning and end as a kind of magic limitation of the effects now attached to Haoma/haoma itself, as implied in the focal Y 48.10: Y 48.7a' incipit  $n\bar{\iota}$   $a\bar{e}\check{s}om\bar{o}$  ( $n\bar{\iota}$ .)dii $\bar{a}tam$  'may fury/wrath be tied down' and Y 48.12d" finale  $hama\bar{e}st\bar{a}r\bar{o}$   $a\bar{e}\check{s}om.mahii\bar{a}$  'the expellers of fury/wrath'. The latter refers to those appointed to implement the actions (12c"  $\Im\beta ahii\bar{a}$   $mazd\bar{a}$   $s\bar{s}nghahii\bar{a}$ ) 'of Thy proclamation, O Mazdā', made explicit by Y 44.14c marazdiiai  $\Im\beta ahii\bar{a}$   $ma\Im ai\check{s}$   $s\bar{s}nghahii\bar{a}$  'to sweep it down (and away) with the  $ma\Im ra$ -s of Thy proclamation', which we have seen takes us back to Y 48.10 and its interpretation:

Y 48.10a kadā mazdā # \*mᾳθrāiš narō vīsəntē b kadā ajōn # mūθrəm ahiiā madahiiā

- 11 See Schwartz 2010.
- 12 Cf., for the foregoing and other matters of allusion to Haoma in Y 32, the detailed expositions in Schwartz 2006a; 2006b; 2006c, pp. 475–483.
- 13 The attribution of 'bliss' as a benefit of the Haoma-cult was countered by Zarathushtra's multivarious insistence that 'bliss' was Mazda's reward for piety, as discussed at length in Schwartz 2018.

- c yā aṇgraiiā # karapanō urūpaiieiṇtī
- d yācā xratū # dušəxša rā daxiiunam.

'When, O Mazdā, will men position themselves for (Thy) magra-s? When will one beat down the fecality of the intoxication by which harmful (plant) the karapan-priests bring about (visceral) seizures, as also, through that (weak) intellect, the misrulers of the lands (bring about seizures of goods)?'

Y 48.10b'  $aj\bar{\partial}n < */\bar{a}$  jan(t)/ is comparable with Vedic  $\bar{a} + ban$  'to beat at, beat in', Delijani  $\bar{a}jen\bar{\iota}$  'to beat (on the ground)', and  $m\bar{\iota}\vartheta r\partial m$  means 'feces', as per Widewdad 6.7 and 20. The stanza becomes clear as referring to the intoxication of harmel-extract, which according to the arguments of FLATTERY/ SCHWARTZ (1989, pp. 3–102) was originally used as *haoma* alongside ephedra; I now maintain that it was Zarathushtra's opposition to harmel-intoxication which gradually brought about the exclusive ritual use of ephedra (which was not intoxicating when used by itself) as *haoma*; the Indo-Iranian antiquity of ephedra in the rite is shown by \*sauma- giving most Iranian and Indic words for ephedra.

Two frequent effects of harmel-intoxication are vomiting and diarrhea (FLATTERY/SCHWARTZ 1989, pp. 26, 32–33). Zarathushtra, from his earlier activity as a zaotar-, must have been personally acquainted with haoma intoxication and its adverse physical side-effects (for which see FLATTERY/SCHWARTZ 1989, pp. 33–34). The  $m\bar{u}\vartheta ram$  accordingly refers to the diarrhea of haoma-consuming priests. The vomiting induced by the priests' harmel consumption would also be indicated by one meaning of urūpaiia- 'to seize', cf. Vedic √rup 'to suffer racking abdominal affliction due to intoxicating beverages'; see in detail Humbach (1991, II, p. 203). By ślesa, urūpaiia-, with the meaning 'seize' = 'rob', cf. Khwarezmian rwby-, Middle Persian rubāy- 'id.', then refers to the kauui-s, the 'misrulers of the lands'; cf. on the depredations and extortions by the *kauui*-s (including the perverse slaughter of the cow), Y 32.11–15. Juxtaposed with the second mention there of slaughtering the cow (Y 32.14c) is dūraošəm saocaiiat auuō 'burns dūraoša- as/for help', i.e. performs the apotropaic ritual still practiced as a folkloric ceremony by Iranians today, called in Persian esfand sūxtan 'to burn harmel' (Flattery/Schwartz 1989, pp. 48–49, 62–66). 14

This suggests that in Y 9 the juxtaposition of haoma and dūraoša- goes back to reference to the use of harmel as an extract and as a substance which is burned. Thus perhaps \*/durauša-/ 'harmel which is apotropaically burned' is from \*dura-'uš-a- 'that which burns up affliction'. For \*dura- 'affliction, pain', I see an ablaut variant in \*daura-> Balochi dõr 'pain, illness, wound', and I take AV durasyáti 'will harm' as based on RV irasyáti 'id.' via influence of \*dura- rather than of dus 'bad, evil'. I relate \*dura- to the words for 'pain, woe, suffering' listed by MAYRHOFER (1992, p. 708) under Vedic \*dóman-, i.e. Gr. δεύη and Albanian dhunë, which MAYRHOFER derives from a Proto-Indo-European root 'to burn'. The Alb. form and Indo-Iranian \*durá- may go back to a PIE \*-r/n- derivative. With disappearance of \*dura-, Av. dūraoša- underwent folk-etymology as 'that which keeps destruction (aoša-) far away (dūra-), while Vedic duróṣa-, which reflects the original vocalism, became semantically obscured due to the desuetude of soma

Accordingly, in Y 48.10, angraiiā is instr. of a noun \*angrā 'harmful/bane-ful plant', tabuistically replacing \*spantā 'holy/benign plant', cf. Pashto spānda, Oroshori sapān, Vafsi-Ashtiyani esbanda (all < \*spantā) = Pers. esfand/isfand, sepand/sipand, etc., all 'harmel'.

To return to  $ma\vartheta ra$ - (and  $manao\vartheta r\bar{\imath}$ -), I plan in future to show how phonic similarity inspired the poetic paronomasia Y 50.6a'  $ma\vartheta ra$ : Y 50.1b"  $m\vartheta .n\bar{a}$   $\vartheta r\bar{a}t\bar{a}$  (/mana  $\vartheta r\bar{a}t\bar{a}$ /) 'my protector', via SOLOS, and Y 50.6a'  $ma\vartheta r\bar{a}$ : Y 34.5b  $mana\eta h\bar{a}$   $\vartheta r\bar{a}ii\bar{o}idii\bar{a}i$  (/manahā  $\vartheta r\bar{a}yady\bar{a}i$ /) 'protect via Mind', via SCRIM.

Finally: with regard to SCRIM and SOLOS, for which † $mqnar\bar{o}i\check{s} = *mq\vartheta r\bar{a}i\check{s}$  has been a showcase, it will be evident, even from the small number of charts given in this article (this accords with my study of many more such charts), that the same words tend to appear in SCRIM charts which are related to SOLOS charts. This correlation I take to complement phenomena which together have a mnemonic role in Zarathushtra's generation of the Gathic corpus.

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rites involving harmel. The lary ngeal originally intervening in \*duraHauša- was lost as an elsewhere attested phenomenon in compounds.

Finally it must be noted that the popping of the harmel seed-capsules as they burn is homologous to the destruction of the evil eye believed to cause affliction, and thereby burning harmel amounts to the burning up of affliction; cf. the wording of the three folk-verses translated in Flattery/Schwartz 1989, pp. 49–50 (main text).

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