

# gregorio characters

char	greciae	gregorio	parmesan	remarks
1	♩	♩	♩	c clef
2	♪	♪	♪	f clef
3	□	□	□	c clef for key changes
4	□	□	□	f clef for key changes
6	σ	σ	σ	flat (oriented to the bottom)
7	¤	¤	¤	natural
8	,	,	,	virgula
9	-	-	-	divisio minima
10				divisio minor
11				divisio maior
13	▪	▪	▪	punctum deminutum
14	·	·	·	punctum mora
15	·	·	·	auctum duplex
16	^	^	^	circumflexus
17	■	■	■	punctum
18				punctum quadratum
19	◆	◆	◆	punctum inclinatum
20	◆	◆	◆	stropha
21	◆	◆	◆	stropha aucta
22	■	■	■	virga
23	■	■	■	virga short bar
24	■	■	■	left virga
25	■	■	■	left virga short bar
26	■	■	■	quilisma
27	■	■	■	oriscus
28	■	■	■	oriscus auctus
31	◆	◆	◆	punctum inclinatum auctum
32	◆	·	◆	punctum inclinatum deminutus
33	·	·	·	vertical episemus
34	□	□	□	punctum cavum
35	■	■	■	linea punctum
36	□	□	□	linea punctum cavum
37	◦	◦	◦	circulus
38	◦	◦	◦	semi-curculus
39	,	,	,	accentus
60	↓	↓	↓	custo for bass notes (oriented to the top)
61	↓	↓	↓	custo for bass notes (oriented to the top) with short bar
62	↓	↓	↓	custo for bass notes (oriented to the top) with middle bar (for the lowest note)
63	↑	↑	↑	custo for high notes (oriented to the bottom)
64	↑	↑	↑	custo for high notes (oriented to the bottom) with short bar
65	↑	↑	↑	custo for high notes (oriented to the bottom) with middle bar (for the highest note)
69	ˋ	ˋ	ˋ	reversed accentus
70	ˊ	ˊ	ˊ	reversed semi-curculus
72	■	■	■	punctum auctus ascendens
73	■	■	■	punctum auctus descendens
74	■	■	■	smaller punctum for pes, porrectus and torculus resupinus (theoretically never used alone, but necessary for some measures)
75	□			punctum cavum alt
76	□			linea punctum cavum alt
77	▪	▪	▪	punctum cavum hole
78	•			punctum cavum alt hole
79	▪	▪	▪	linea punctum cavum hole
80	•			linea punctum cavum alt hole
81	ˋ	ˋ	ˋ	flat hole
82	·	·	·	natural hole

83					virgula minor oriented to the top
84					virgula minor oriented to the bottom
85	✗	✗	✗		sharp
86	.	.	.		sharp hole
87	■	■	■		linea
88	—	—	—		
89	—	—	—		
90	—	—	—		
91	■	■	■		oriscus deminutus

horizontal episemus

40	—	—	—	horizontal episemus, width of a punctum
41	—	—	—	horizontal episemus, width of a flexus debilis
42	-	-	-	horizontal episemus, width of an initio debilis
43	—	—	—	horizontal episemus, width of a punctum inclinatum
44	—	—	—	horizontal episemus, width of a punctum inclinatum deminutus
45	—	—	—	horizontal episemus, width of a stropha
56	—	—	—	horizontal episemus, width of a quilisma
58	—	—	—	horizontal episemus width of a small punctum for pes, porrectus and torculus resupinus
57	—	—	—	horizontal episemus, width of an oriscus
46	—	—	—	horizontal episemus, width of a porrectus with ambitus of 1
47	—	—	—	horizontal episemus, width of a porrectus with ambitus of 2
48	—	—	—	horizontal episemus, width of a porrectus with ambitus of 3
49	—	—	—	horizontal episemus, width of a porrectus with ambitus of 4
50	—	—	—	horizontal episemus, width of a porrectus with ambitus of 5
51	—	—	—	horizontal episemus, width of a porrectus flexus with ambitus of 1
52	—	—	—	horizontal episemus, width of a porrectus flexus with ambitus of 2
53	—	—	—	horizontal episemus, width of a porrectus flexus with ambitus of 3
54	—	—	—	horizontal episemus, width of a porrectus flexus with ambitus of 4
55	—	—	—	horizontal episemus, width of a porrectus flexus with ambitus of 5

pes

pes

1025	■	■	■	
1026	■	■	■	
1027	■	■	■	
1028	■	■	■	
1029	■	■	■	

pes quilisma

2561	■	■	■	
2562	■	■	■	
2563	■	■	■	
2564	■	■	■	
2565	■	■	■	

pes deminutus

1153	■	■	■	
1154	■	■	■	
1155	■	■	■	
1156	■	■	■	
1157	■	■	■	

pes initio debilis

1089	■	■	■	
1090	■	■	■	
1091	■	■	■	
1092	■	■	■	
1093	■	■	■	

pes initio debilis deminutus

1345	:	:	:
1346	↓	↓	↓
1347	↓	↓	↓
1348	↓	↓	↓
1349	↓	↓	↓

pes quadratum

pes quadratum

1537	♩	♩	♩
1538	♩	♩	♩
1539	♩	♩	♩
1540	♩	♩	♩
1541	♩	♩	♩
2049	♩	♩	♩
2050	♩	♩	♩
2051	♩	♩	♩
2052	♩	♩	♩
2053	♩	♩	♩

pes quassus

3073	♩	♩	♩
3074	♩	♩	♩
3075	♩	♩	♩
3076	♩	♩	♩
3077	♩	♩	♩
3585	♩	♩	♩
3586	♩	♩	♩
3587	♩	♩	♩
3588	♩	♩	♩
3589	♩	♩	♩

pes quilisma quadratum

4097	♩	♩	♩
4098	♩	♩	♩
4099	♩	♩	♩
4100	♩	♩	♩
4101	♩	♩	♩
4609	♩	♩	♩
4610	♩	♩	♩
4611	♩	♩	♩
4612	♩	♩	♩
4613	♩	♩	♩

pes auctus ascendens

1729	♩	♩	♩
1730	♩	♩	♩
1731	♩	♩	♩
1732	♩	♩	♩
1733	♩	♩	♩

pes initio debilis auctus ascendens

1921	♩	♩	♩
1922	♩	♩	♩

1923	♩	♩	♩
1924	♩	♩	♩
1925	♩	♩	♩

pes quassus auctus ascendens

3265	♩	♩	♩
3266	♩	♩	♩
3267	♩	♩	♩
3268	♩	♩	♩
3269	♩	♩	♩

pes quilisma auctus ascendens

4289	♩	♩	♩
4290	♩	♩	♩
4291	♩	♩	♩
4292	♩	♩	♩
4293	♩	♩	♩

pes auctus descendens

1793	♩	♩	♩
1794	♩	♩	♩
1795	♩	♩	♩
1796	♩	♩	♩
1797	♩	♩	♩

pes initio debilis auctus descendens

1985	♩	♩	♩
1986	♩	♩	♩
1987	♩	♩	♩
1988	♩	♩	♩
1989	♩	♩	♩

pes quassus auctus descendens

3329	♩	♩	♩
3330	♩	♩	♩
3331	♩	♩	♩
3332	♩	♩	♩
3333	♩	♩	♩

pes quilisma auctus descendens

4353	♩	♩	♩
4354	♩	♩	♩
4355	♩	♩	♩
4356	♩	♩	♩
4357	♩	♩	♩

flexus

flexus

5121	♩	♩	♩
5122	♩	♩	♩
5123	♩	♩	♩
5124	♩	♩	♩
5125	♩	♩	♩
5633	♩	♩	♩

nobar

5634				nobar
5635				nobar
5636				nobar
5637				nobar
6657				oriscus
6658				oriscus
6659				oriscus
6660				oriscus
6661				oriscus
6145				longqueue
6146				longqueue
6147				longqueue
6148				longqueue
6149				longqueue

flexus deminutus

5249				
5250				
5251				
5252				
5253				
5761				nobar
5762				nobar
5763				nobar
5764				nobar
5765				nobar
6273				longqueue
6274				longqueue
6275				longqueue
6276				longqueue
6277				longqueue

flexus auctus ascendens

5313				
5314				
5315				
5316				
5317				
5825				nobar
5826				nobar
5827				nobar
5828				nobar
5829				nobar
6849				oriscus

6850				oriscus
6851				oriscus
6852				oriscus
6853				oriscus
6337				longqueue
6338				longqueue
6339				longqueue
6340				longqueue
6341				longqueue

flexus auctus descendens

5377				
5378				
5379				
5380				
5381				
5889				nobar
5890				nobar
5891				nobar
5892				nobar
5893				nobar
6913				oriscus
6914				oriscus
6915				oriscus
6916				oriscus
6917				oriscus
6401				longqueue
6402				longqueue
6403				longqueue
6404				longqueue
6405				longqueue

scandicus

22022				
22027				
22032				
22037				
22042				
22023				
22028				
22033				
22038				

22043	✓	✓	✓	
22024	✓	✓	✓	
22029	✓	✓	✓	
22034	✓	✓	✓	
22039	✓	✓	✓	
22044	✓	✓	✓	
22025	✓	✓	✓	
22030	✓	✓	✓	
22035	✓	✓	✓	
22040	✓	✓	✓	
22045	✓	✓	✓	
22026	✓	✓	✓	
22031	✓	✓	✓	
22036	✓	✓	✓	
22041	✓	✓	✓	
22046	✓	✓	✓	

ancus

24070	✓	✓	✓	
24075	✓	✓	✓	
24080	✓	✓	✓	
24085	✓	✓	✓	
24090	✓	✓	✓	
24071	✓	✓	✓	
24076	✓	✓	✓	
24081	✓	✓	✓	
24086	✓	✓	✓	
24091	✓	✓	✓	
24072	✓	✓	✓	
24077	✓	✓	✓	
24082	✓	✓	✓	

24087				
24092				
24073				
24078				
24083				
24088				
24093				
24074				
24079				
24084				
24089				
24094				
26118				longqueue
26123				longqueue
26128				longqueue
26133				longqueue
26138				longqueue
26119				longqueue
26124				longqueue
26129				longqueue
26134				longqueue
26139				longqueue
26120				longqueue
26125				longqueue
26130				longqueue
26135				longqueue
26140				longqueue
26121				longqueue

26126				longqueue
26131				longqueue
26136				longqueue
26141				longqueue
26122				longqueue
26127				longqueue
26132				longqueue
26137				longqueue
26142				longqueue

### torculus

#### torculus

15366				
15371				
15376				
15381				
15386				
15367				
15372				
15377				
15382				
15387				
15368				
15373				
15378				
15383				
15388				
15369				
15374				
15379				
15384				
15389				
15370				
15375				
15380				
15385				
15390				

19462				quilisma
19467				quilisma
19472				quilisma
19477				quilisma
19482				quilisma
19463				quilisma
19468				quilisma
19473				quilisma
19478				quilisma
19483				quilisma
19464				quilisma
19469				quilisma
19474				quilisma
19479				quilisma
19484				quilisma
19465				quilisma
19470				quilisma
19475				quilisma
19480				quilisma
19485				quilisma
19466				quilisma
19471				quilisma
19476				quilisma
19481				quilisma
19486				quilisma

torculus initio debilis

15622			
15627			
15632			
15637			
15642			
15623			
15628			
15633			
15638			
15643			
15624			
15629			
15634			
15639			
15644			
15625			
15630			
15635			
15640			

15645				
15626				
15631				
15636				
15641				
15646				
torculus auctus descendens				
16390				
16395				
16400				
16405				
16410				
16391				
16396				
16401				
16406				
16411				
16392				
16397				
16402				
16407				
16412				
16393				
16398				
16403				
16408				
16413				
16394				
16399				
16404				
16409				
16414				
20486				quilisma
20491				quilisma
20496				quilisma
20501				quilisma
20506				quilisma
20487				quilisma
20492				quilisma
20497				quilisma
20502				quilisma
20507				quilisma

20488				quilisma
20493				quilisma
20498				quilisma
20503				quilisma
20508				quilisma
20489				quilisma
20494				quilisma
20499				quilisma
20504				quilisma
20509				quilisma
20490				quilisma
20495				quilisma
20500				quilisma
20505				quilisma
20510				quilisma

torculus initio debilis auctus descendens

17158				
17163				
17168				
17173				
17178				
17159				
17164				
17169				
17174				
17179				
17160				
17165				
17170				
17175				
17180				
17161				
17166				
17171				
17176				
17181				
17162				
17167				
17172				
17177				
17182				

torculus auctus ascendens

16134	♩	♩	♩	
16139	♩	♩	♩	
16144	♩	♩	♩	
16149	♩	♩	♩	
16154	♩	♩	♩	
16135	♩	♩	♩	
16140	♩	♩	♩	
16145	♩	♩	♩	
16150	♩	♩	♩	
16155	♩	♩	♩	
16136	♩	♩	♩	
16141	♩	♩	♩	
16146	♩	♩	♩	
16151	♩	♩	♩	
16156	♩	♩	♩	
16137	♩	♩	♩	
16142	♩	♩	♩	
16147	♩	♩	♩	
16152	♩	♩	♩	
16157	♩	♩	♩	
16138	♩	♩	♩	
16143	♩	♩	♩	
16148	♩	♩	♩	
16153	♩	♩	♩	
16158	♩	♩	♩	
20230	♩	♩	♩	quilisma
20235	♩	♩	♩	quilisma
20240	♩	♩	♩	quilisma
20245	♩	♩	♩	quilisma
20250	♩	♩	♩	quilisma
20231	♩	♩	♩	quilisma
20236	♩	♩	♩	quilisma
20241	♩	♩	♩	quilisma
20246	♩	♩	♩	quilisma
20251	♩	♩	♩	quilisma
20232	♩	♩	♩	quilisma
20237	♩	♩	♩	quilisma
20242	♩	♩	♩	quilisma
20247	♩	♩	♩	quilisma
20252	♩	♩	♩	quilisma
20233	♩	♩	♩	quilisma
20238	♩	♩	♩	quilisma
20243	♩	♩	♩	quilisma
20248	♩	♩	♩	quilisma

20253				quilisma
20234				quilisma
20239				quilisma
20244				quilisma
20249				quilisma
20254				quilisma

torculus initio debilis auctus ascendens

16902				
16907				
16912				
16917				
16922				
16903				
16908				
16913				
16918				
16923				
16904				
16909				
16914				
16919				
16924				
16905				
16910				
16915				
16920				
16925				
16906				
16911				
16916				
16921				
16926				

torculus deminutus

15878				
15883				
15888				
15893				
15898				
15879				
15884				
15889				
15894				
15899				

15880				
15885				
15890				
15895				
15900				
15881				
15886				
15891				
15896				
15901				
15882				
15887				
15892				
15897				
15902				
19974				quilisma
19979				quilisma
19984				quilisma
19989				quilisma
19994				quilisma
19975				quilisma
19980				quilisma
19985				quilisma
19990				quilisma
19995				quilisma
19976				quilisma
19981				quilisma
19986				quilisma
19991				quilisma
19996				quilisma
19977				quilisma
19982				quilisma
19987				quilisma
19992				quilisma
19997				quilisma
19978				quilisma
19983				quilisma
19988				quilisma
19993				quilisma
19998				quilisma

torculus initio debilis deminutus

16646			
-------	--	--	--

16651	¶	¶	¶
16656	¶	¶	¶
16661	¶	¶	¶
16666	¶	¶	¶
16647	¶	¶	¶
16652	¶	¶	¶
16657	¶	¶	¶
16662	¶	¶	¶
16667	¶	¶	¶
16648	¶	¶	¶
16653	¶	¶	¶
16658	¶	¶	¶
16663	¶	¶	¶
16668	¶	¶	¶
16649	¶	¶	¶
16654	¶	¶	¶
16659	¶	¶	¶
16664	¶	¶	¶
16669	¶	¶	¶
16650	¶	¶	¶
16655	¶	¶	¶
16660	¶	¶	¶
16665	¶	¶	¶
16670	¶	¶	¶

porrectus

porrectus

11270	¶¶	¶¶	¶¶
11275	¶¶	¶¶	¶¶
11280	¶¶	¶¶	¶¶
11285	¶¶	¶¶	¶¶
11290	¶¶	¶¶	¶¶
11271	¶¶	¶¶	¶¶
11276	¶¶	¶¶	¶¶
11281	¶¶	¶¶	¶¶
11286	¶¶	¶¶	¶¶
11291	¶¶	¶¶	¶¶
11272	¶¶	¶¶	¶¶
11277	¶¶	¶¶	¶¶
11282	¶¶	¶¶	¶¶
11287	¶¶	¶¶	¶¶
11292	¶¶	¶¶	¶¶
11273	¶¶	¶¶	¶¶
11278	¶¶	¶¶	¶¶

11283	2	2	2	
11288	2	2	2	
11293	2	2	2	
11274	2	2	2	
11279	2	2	2	
11284	2	2	2	
11289	2	2	2	
11294	2	2	2	
13318	2	2	2	nobar
13323	2	2	2	nobar
13328	2	2	2	nobar
13333	2	2	2	nobar
13338	2	2	2	nobar
13319	2	2	2	nobar
13324	2	2	2	nobar
13329	2	2	2	nobar
13334	2	2	2	nobar
13339	2	2	2	nobar
13320	2	2	2	nobar
13325	2	2	2	nobar
13330	2	2	2	nobar
13335	2	2	2	nobar
13340	2	2	2	nobar
13321	2	2	2	nobar
13326	2	2	2	nobar
13331	2	2	2	nobar
13336	2	2	2	nobar
13341	2	2	2	nobar
13322	2	2	2	nobar
13327	2	2	2	nobar
13332	2	2	2	nobar
13337	2	2	2	nobar
13342	2	2	2	nobar

porrectus deminutus

11782	2	2	2	
11787	2	2	2	
11792	2	2	2	
11797	2	2	2	
11802	2	2	2	

11783	¶	¶	¶
11788	¶	¶	¶
11793	¶	¶	¶
11798	¶	¶	¶
11803	¶	¶	¶
11784	¶	¶	¶
11789	¶	¶	¶
11794	¶	¶	¶
11799	¶	¶	¶
11804	¶	¶	¶
11785	¶	¶	¶
11790	¶	¶	¶
11795	¶	¶	¶
11800	¶	¶	¶
11805	¶	¶	¶
11786	¶	¶	¶
11791	¶	¶	¶
11796	¶	¶	¶
11801	¶	¶	¶
11806	¶	¶	¶

porrectus flexus

porrectus flexus

7199	¶	¶	¶	¶
7224	¶	¶	¶	¶
7249	¶	¶	¶	¶
7274	¶	¶	¶	¶
7299	¶	¶	¶	¶
7204	¶	¶	¶	¶
7229	¶	¶	¶	¶
7254	¶	¶	¶	¶
7279	¶	¶	¶	¶
7304	¶	¶	¶	¶
7209	¶	¶	¶	¶
7234	¶	¶	¶	¶
7259	¶	¶	¶	¶
7284	¶	¶	¶	¶
7309	¶	¶	¶	¶
7214	¶	¶	¶	¶
7239	¶	¶	¶	¶
7264	¶	¶	¶	¶
7289	¶	¶	¶	¶
7314	¶	¶	¶	¶

7219	7	7	7	7	7	7	
7244	7	7	7	7	7	7	
7269	7	7	7	7	7	7	
7294	7	7	7	7	7	7	
7319	7	7	7	7	7	7	
7200	7	7	7	7	7	7	
7225	7	7	7	7	7	7	
7250	7	7	7	7	7	7	
7275	7	7	7	7	7	7	
7300	7	7	7	7	7	7	
7205	7	7	7	7	7	7	
7230	7	7	7	7	7	7	
7255	7	7	7	7	7	7	
7280	7	7	7	7	7	7	
7305	7	7	7	7	7	7	
7210	7	7	7	7	7	7	
7235	7	7	7	7	7	7	
7260	7	7	7	7	7	7	
7285	7	7	7	7	7	7	
7310	7	7	7	7	7	7	
7215	7	7	7	7	7	7	
7240	7	7	7	7	7	7	
7265	7	7	7	7	7	7	
7290	7	7	7	7	7	7	
7315	7	7	7	7	7	7	
7220	7	7	7	7	7	7	
7245	7	7	7	7	7	7	
7270	7	7	7	7	7	7	
7295	7	7	7	7	7	7	
7320	7	7	7	7	7	7	
7201	7	7	7	7	7	7	
7226	7	7	7	7	7	7	
7251	7	7	7	7	7	7	
7276	7	7	7	7	7	7	
7301	7	7	7	7	7	7	
7206	7	7	7	7	7	7	
7231	7	7	7	7	7	7	
7256	7	7	7	7	7	7	



7242	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7267	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7292	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7317	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7222	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7247	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7272	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7297	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7322	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7203	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7228	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7253	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7278	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7303	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7208	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7233	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7258	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7283	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7308	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7213	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7238	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7263	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7288	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7313	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7218	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7243	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7268	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7293	ツ	ツ	ツ	ツ	ツ	ツ	ツ
7318	ツ	ツ	ツ	ツ	ツ	ツ	ツ

7223						
7248						
7273						
7298						
7323						
9247						nobar
9272						nobar
9297						nobar
9322						nobar
9347						nobar
9252						nobar
9277						nobar
9302						nobar
9327						nobar
9352						nobar
9257						nobar
9282						nobar
9307						nobar
9332						nobar
9357						nobar
9262						nobar
9287						nobar
9312						nobar
9337						nobar
9362						nobar
9267						nobar
9292						nobar
9317						nobar
9342						nobar
9367						nobar
9248						nobar
9273						nobar
9298						nobar
9323						nobar
9348						nobar
9253						nobar
9278						nobar
9303						nobar
9328						nobar
9353						nobar
9258						nobar

9283					nobar
9308					nobar
9333					nobar
9358					nobar
9263					nobar
9288					nobar
9313					nobar
9338					nobar
9363					nobar
9268					nobar
9293					nobar
9318					nobar
9343					nobar
9368					nobar
9249					nobar
9274					nobar
9299					nobar
9324					nobar
9349					nobar
9254					nobar
9279					nobar
9304					nobar
9329					nobar
9354					nobar
9259					nobar
9284					nobar
9309					nobar
9334					nobar
9359					nobar
9264					nobar
9289					nobar
9314					nobar
9339					nobar
9364					nobar
9269					nobar
9294					nobar
9319					nobar

9344					nobar
9369					nobar
9250					nobar
9275					nobar
9300					nobar
9325					nobar
9350					nobar
9255					nobar
9280					nobar
9305					nobar
9330					nobar
9355					nobar
9260					nobar
9285					nobar
9310					nobar
9335					nobar
9360					nobar
9265					nobar
9290					nobar
9315					nobar
9340					nobar
9365					nobar
9270					nobar
9295					nobar
9320					nobar
9345					nobar
9370					nobar
9251					nobar
9276					nobar
9301					nobar
9326					nobar

9351					nobar
9256					nobar
9281					nobar
9306					nobar
9331					nobar
9356					nobar
9261					nobar
9286					nobar
9311					nobar
9336					nobar
9361					nobar
9266					nobar
9291					nobar
9316					nobar
9341					nobar
9366					nobar
9271					nobar
9296					nobar
9321					nobar
9346					nobar
9371					nobar

porrectus flexus auctus descendens

8223				
8248				
8273				
8298				
8323				
8228				
8253				
8278				
8303				
8328				
8233				





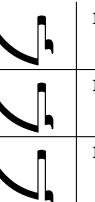
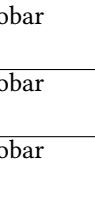
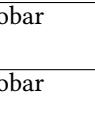


8312				
8337				
8242				
8267				
8292				
8317				
8342				
8247				
8272				
8297				
8322				
8347				
10271				nobar
10296				nobar
10321				nobar
10346				nobar
10371				nobar
10276				nobar
10301				nobar
10326				nobar
10351				nobar
10376				nobar
10281				nobar
10306				nobar
10331				nobar
10356				nobar
10381				nobar
10286				nobar
10311				nobar
10336				nobar
10361				nobar
10386				nobar
10291				nobar
10316				nobar
10341				nobar
10366				nobar
10391				nobar

10272						nobar
10297						nobar
10322						nobar
10347						nobar
10372						nobar
10277						nobar
10302						nobar
10327						nobar
10352						nobar
10377						nobar
10282						nobar
10307						nobar
10332						nobar
10357						nobar
10382						nobar
10287						nobar
10312						nobar
10337						nobar
10362						nobar
10387						nobar
10292						nobar
10317						nobar
10342						nobar
10367						nobar
10392						nobar
10273						nobar
10298						nobar
10323						nobar
10348						nobar
10373						nobar
10278						nobar
10303						nobar
10328						nobar
10353						nobar
10378						nobar
10283						nobar
10308						nobar

10333					nobar
10358					nobar
10383					nobar
10288					nobar
10313					nobar
10338					nobar
10363					nobar
10388					nobar
10293					nobar
10318					nobar
10343					nobar
10368					nobar
10393					nobar
10274					nobar
10299					nobar
10324					nobar
10349					nobar
10374					nobar
10279					nobar
10304					nobar
10329					nobar
10354					nobar
10379					nobar
10284					nobar
10309					nobar
10334					nobar
10359					nobar
10384					nobar
10289					nobar
10314					nobar
10339					nobar
10364					nobar

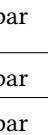
10389					nobar
10294					nobar
10319					nobar
10344					nobar
10369					nobar
10394					nobar
10275					nobar
10300					nobar
10325					nobar
10350					nobar
10375					nobar
10280					nobar
10305					nobar
10330					nobar
10355					nobar
10380					nobar
10285					nobar
10310					nobar
10335					nobar
10360					nobar
10385					nobar
10290					nobar
10315					nobar
10340					nobar
10365					nobar
10390					nobar
10295					nobar
10320					nobar

10345					nobar
10370					nobar
10395					nobar
porrectus flexus auctus ascendens					
7967					
7992					
8017					
8042					
8067					
7972					
7997					
8022					
8047					
8072					
7977					
8002					
8027					
8052					
8077					
7982					
8007					
8032					
8057					
8082					
7987					
8012					
8037					
8062					
8087					
7968					
7993					
8018					
8043					
8068					
7973					
7998					
8023					
8048					
8073					
7978					
8003					
8028					

8053	2	
8078	2	
7983	2	
8008	2	
8033	2	
8058	2	
8083	2	
7988	2	
8013	2	
8038	2	
8063	2	
8088	2	
7969	2	
7994	2	
8019	2	
8044	2	
8069	2	
7974	2	
7999	2	
8024	2	
8049	2	
8074	2	
7979	2	
8004	2	
8029	2	
8054	2	
8079	2	
7984	2	
8009	2	
8034	2	
8059	2	
8084	2	
7989	2	
8014	2	
8039	2	
8064	2	
8089	2	

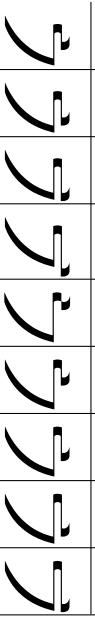
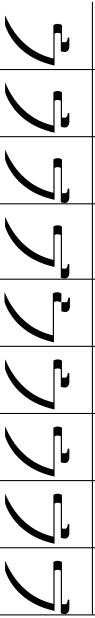
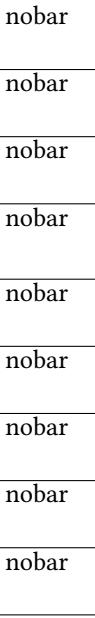
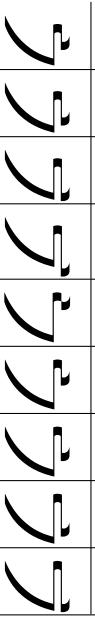
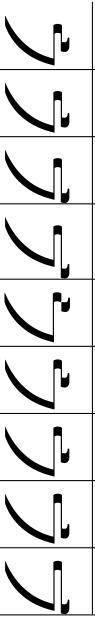
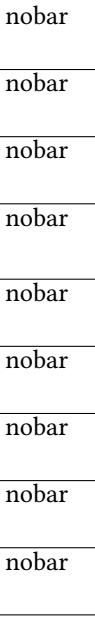
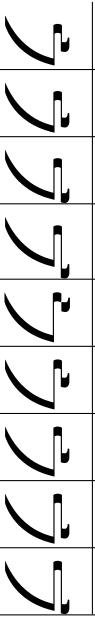
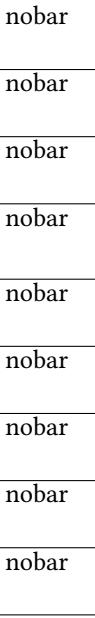
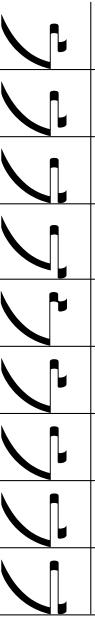
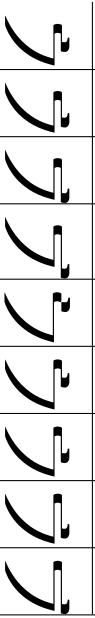
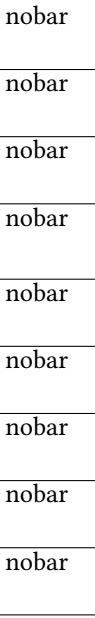
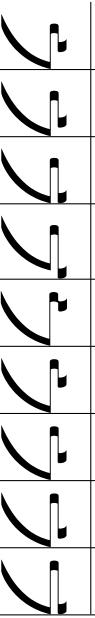
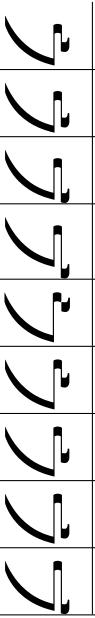
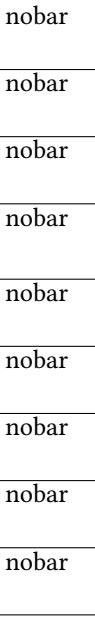
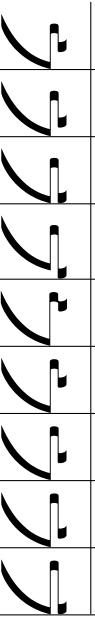
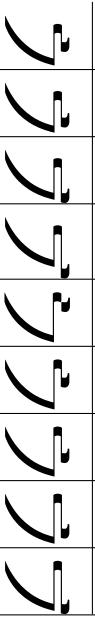
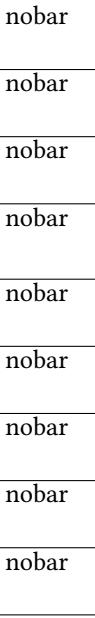
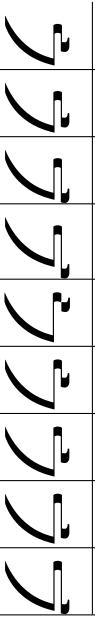
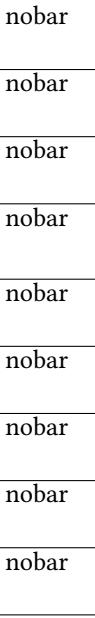
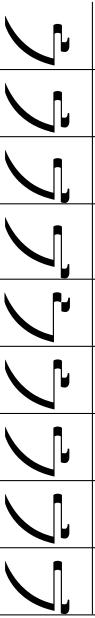
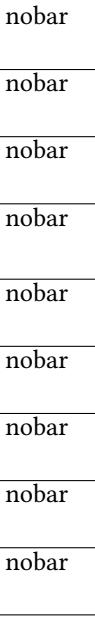
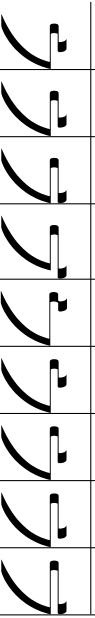
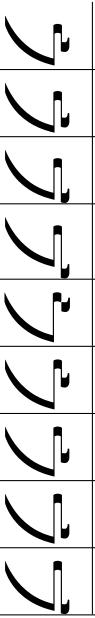
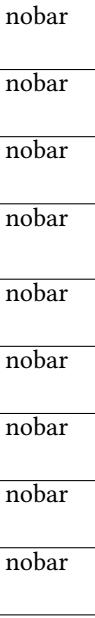




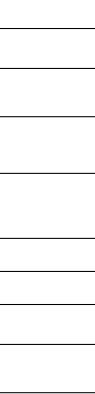
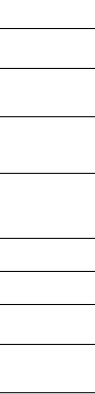
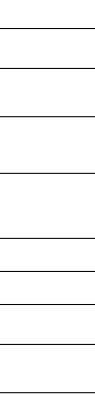
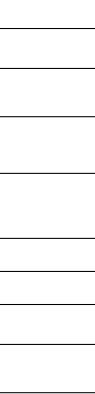
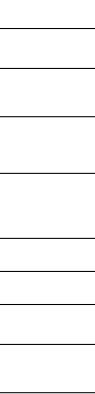
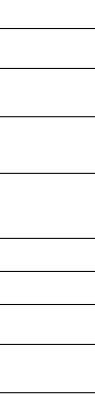
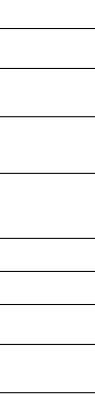
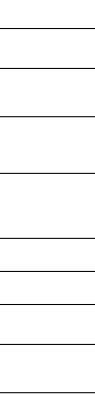
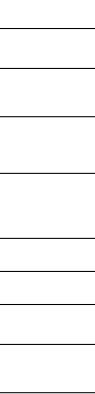
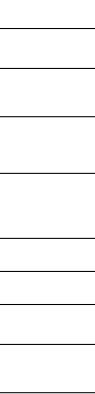
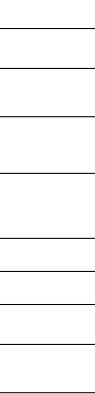
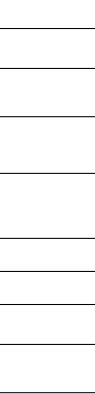
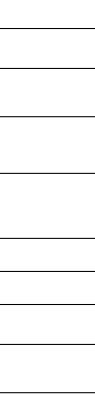
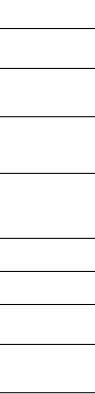
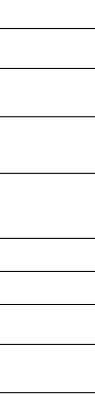
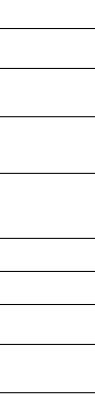
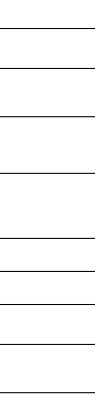
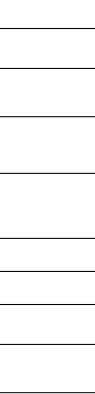
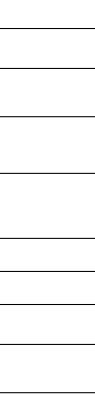
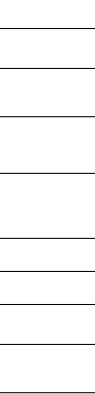
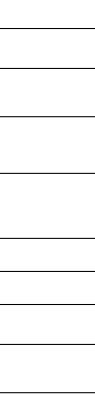
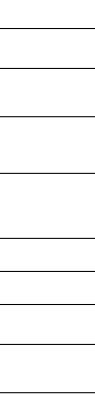
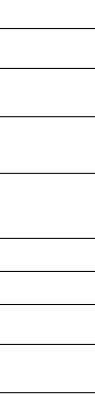
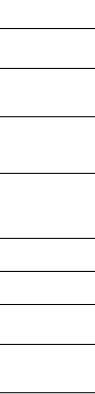
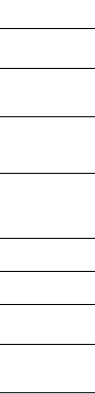
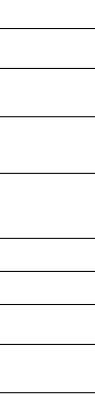
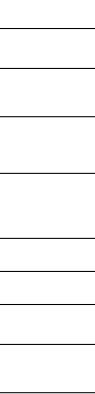
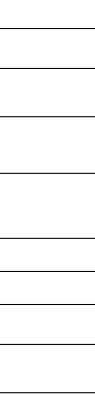
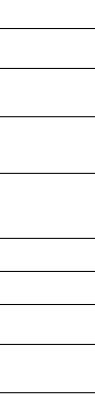
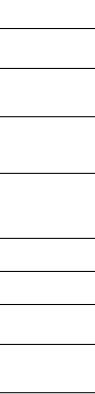
10125					nobar
10030					nobar
10055					nobar
10080					nobar
10105					nobar
10130					nobar
10035					nobar
10060					nobar
10085					nobar
10110					nobar
10135					nobar
10016					nobar
10041					nobar
10066					nobar
10091					nobar
10116					nobar
10021					nobar
10046					nobar
10071					nobar
10096					nobar
10121					nobar
10026					nobar
10051					nobar
10076					nobar
10101					nobar
10126					nobar
10031					nobar
10056					nobar
10081					nobar
10106					nobar
10131					nobar
10036					nobar
10061					nobar
10086					nobar
10111					nobar
10136					nobar
10017					nobar
10042					nobar
10067					nobar
10092					nobar

10117					nobar
10022					nobar
10047					nobar
10072					nobar
10097					nobar
10122					nobar
10027					nobar
10052					nobar
10077					nobar
10102					nobar
10127					nobar
10032					nobar
10057					nobar
10082					nobar
10107					nobar
10132					nobar
10037					nobar
10062					nobar
10087					nobar
10112					nobar
10137					nobar
10018					nobar
10043					nobar
10068					nobar
10093					nobar
10118					nobar
10023					nobar
10048					nobar
10073					nobar
10098					nobar
10123					nobar
10028					nobar
10053					nobar

10078						nobar
10103						nobar
10128						nobar
10033						nobar
10058						nobar
10083						nobar
10108						nobar
10133						nobar
10038						nobar
10063						nobar
10088						nobar
10113						nobar
10138						nobar
10019						nobar
10044						nobar
10069						nobar
10094						nobar
10119						nobar
10024						nobar
10049						nobar
10074						nobar
10099						nobar
10124						nobar
10029						nobar
10054						nobar
10079						nobar
10104						nobar
10129						nobar
10034						nobar

10059					nobar
10084					nobar
10109					nobar
10134					nobar
10039					nobar
10064					nobar
10089					nobar
10114					nobar
10139					nobar

porrectus flexus deminutus

7711					
7736					
7761					
7786					
7811					
7716					
7741					
7766					
7791					
7816					
7721					
7746					
7771					
7796					
7821					
7726					
7751					
7776					
7801					
7826					
7731					
7756					
7781					
7806					
7831					
7712					
7737					
7762					
7787					
7812					

7717		
7742		
7767		
7792		
7817		
7722		
7747		
7772		
7797		
7822		
7727		
7752		
7777		
7802		
7827		
7732		
7757		
7782		
7807		
7832		
7713		
7738		
7763		
7788		
7813		
7718		
7743		
7768		
7793		
7818		
7723		
7748		
7773		
7798		
7823		
7728		
7753		
7778		

7803	
7828	
7733	
7758	
7783	
7808	
7833	
7714	
7739	
7764	
7789	
7814	
7719	
7744	
7769	
7794	
7819	
7724	
7749	
7774	
7799	
7824	
7729	
7754	
7779	
7804	
7829	
7734	
7759	
7784	
7809	
7834	
7715	



9814	7	7	7	7	nobar
9839	7	7	7	7	nobar
9864	7	7	7	7	nobar
9769	7	7	7	7	nobar
9794	7	7	7	7	nobar
9819	7	7	7	7	nobar
9844	7	7	7	7	nobar
9869	7	7	7	7	nobar
9774	7	7	7	7	nobar
9799	7	7	7	7	nobar
9824	7	7	7	7	nobar
9849	7	7	7	7	nobar
9874	7	7	7	7	nobar
9779	7	7	7	7	nobar
9804	7	7	7	7	nobar
9829	7	7	7	7	nobar
9854	7	7	7	7	nobar
9879	7	7	7	7	nobar
9760	7	7	7	7	nobar
9785	7	7	7	7	nobar
9810	7	7	7	7	nobar
9835	7	7	7	7	nobar
9860	7	7	7	7	nobar
9765	7	7	7	7	nobar
9790	7	7	7	7	nobar
9815	7	7	7	7	nobar
9840	7	7	7	7	nobar
9865	7	7	7	7	nobar
9770	7	7	7	7	nobar
9795	7	7	7	7	nobar
9820	7	7	7	7	nobar
9845	7	7	7	7	nobar
9870	7	7	7	7	nobar
9775	7	7	7	7	nobar
9800	7	7	7	7	nobar
9825	7	7	7	7	nobar
9850	7	7	7	7	nobar
9875	7	7	7	7	nobar
9780	7	7	7	7	nobar
9805	7	7	7	7	nobar
9830	7	7	7	7	nobar
9855	7	7	7	7	nobar

9880					nobar
9761					nobar
9786					nobar
9811					nobar
9836					nobar
9861					nobar
9766					nobar
9791					nobar
9816					nobar
9841					nobar
9866					nobar
9771					nobar
9796					nobar
9821					nobar
9846					nobar
9871					nobar
9776					nobar
9801					nobar
9826					nobar
9851					nobar
9876					nobar
9781					nobar
9806					nobar
9831					nobar
9856					nobar
9881					nobar
9762					nobar
9787					nobar
9812					nobar
9837					nobar
9862					nobar
9767					nobar
9792					nobar
9817					nobar

9842					nobar
9867					nobar
9772					nobar
9797					nobar
9822					nobar
9847					nobar
9872					nobar
9777					nobar
9802					nobar
9827					nobar
9852					nobar
9877					nobar
9782					nobar
9807					nobar
9832					nobar
9857					nobar
9882					nobar
9763					nobar
9788					nobar
9813					nobar
9838					nobar
9863					nobar
9768					nobar
9793					nobar
9818					nobar
9843					nobar
9868					nobar
9773					nobar
9798					nobar
9823					nobar

9848					nobar
9873					nobar
9778					nobar
9803					nobar
9828					nobar
9853					nobar
9878					nobar
9783					nobar
9808					nobar
9833					nobar
9858					nobar
9883					nobar

**torculus resupinus**

**torculus resupinus**

17439					
17464					
17489					
17514					
17539					
17444					
17469					
17494					
17519					
17544					
17449					
17474					
17499					
17524					
17549					
17454					
17479					
17504					
17529					
17554					
17459					
17484					
17509					
17534					



17456	
17481	
17506	
17531	
17556	
17461	
17486	
17511	
17536	
17561	
17442	
17467	
17492	
17517	
17542	
17447	
17472	
17497	
17522	
17547	
17452	
17477	
17502	
17527	
17552	
17457	
17482	
17507	
17532	
17557	
17462	
17487	
17512	
17537	
17562	
17443	

17468				
17493				
17518				
17543				
17448				
17473				
17498				
17523				
17548				
17453				
17478				
17503				
17528				
17553				
17458				
17483				
17508				
17533				
17558				
17463				
17488				
17513				
17538				
17563				
17695				initio debilis
17720				initio debilis
17745				initio debilis
17770				initio debilis
17795				initio debilis
17700				initio debilis
17725				initio debilis
17750				initio debilis
17775				initio debilis
17800				initio debilis
17705				initio debilis

17730	777	777	777	777	initio debilis
17755	777	777	777	777	initio debilis
17780	777	777	777	777	initio debilis
17805	777	777	777	777	initio debilis
17710	777	777	777	777	initio debilis
17735	777	777	777	777	initio debilis
17760	777	777	777	777	initio debilis
17785	777	777	777	777	initio debilis
17810	777	777	777	777	initio debilis
17715	777	777	777	777	initio debilis
17740	777	777	777	777	initio debilis
17765	777	777	777	777	initio debilis
17790	777	777	777	777	initio debilis
17815	777	777	777	777	initio debilis
17696	777	777	777	777	initio debilis
17721	777	777	777	777	initio debilis
17746	777	777	777	777	initio debilis
17771	777	777	777	777	initio debilis
17796	777	777	777	777	initio debilis
17701	777	777	777	777	initio debilis
17726	777	777	777	777	initio debilis
17751	777	777	777	777	initio debilis
17776	777	777	777	777	initio debilis
17801	777	777	777	777	initio debilis
17706	777	777	777	777	initio debilis
17731	777	777	777	777	initio debilis
17756	777	777	777	777	initio debilis
17781	777	777	777	777	initio debilis
17806	777	777	777	777	initio debilis
17711	777	777	777	777	initio debilis
17736	777	777	777	777	initio debilis
17761	777	777	777	777	initio debilis
17786	777	777	777	777	initio debilis
17811	777	777	777	777	initio debilis
17716	777	777	777	777	initio debilis
17741	777	777	777	777	initio debilis
17766	777	777	777	777	initio debilis
17791	777	777	777	777	initio debilis
17816	777	777	777	777	initio debilis
17697	777	777	777	777	initio debilis
17722	777	777	777	777	initio debilis

17747				initio debilis
17772				initio debilis
17797				initio debilis
17702				initio debilis
17727				initio debilis
17752				initio debilis
17777				initio debilis
17802				initio debilis
17707				initio debilis
17732				initio debilis
17757				initio debilis
17782				initio debilis
17807				initio debilis
17712				initio debilis
17737				initio debilis
17762				initio debilis
17787				initio debilis
17812				initio debilis
17717				initio debilis
17742				initio debilis
17767				initio debilis
17792				initio debilis
17817				initio debilis
17698				initio debilis
17723				initio debilis
17748				initio debilis
17773				initio debilis
17798				initio debilis
17703				initio debilis
17728				initio debilis
17753				initio debilis
17778				initio debilis
17803				initio debilis
17708				initio debilis
17733				initio debilis
17758				initio debilis
17783				initio debilis

17808	2	2	2	2	initio debilis
17713	2	2	2	2	initio debilis
17738	2	2	2	2	initio debilis
17763	2	2	2	2	initio debilis
17788	2	2	2	2	initio debilis
17813	2	2	2	2	initio debilis
17718	2	2	2	2	initio debilis
17743	2	2	2	2	initio debilis
17768	2	2	2	2	initio debilis
17793	2	2	2	2	initio debilis
17818	2	2	2	2	initio debilis
17699	2	2	2	2	initio debilis
17724	2	2	2	2	initio debilis
17749	2	2	2	2	initio debilis
17774	2	2	2	2	initio debilis
17799	2	2	2	2	initio debilis
17704	2	2	2	2	initio debilis
17729	2	2	2	2	initio debilis
17754	2	2	2	2	initio debilis
17779	2	2	2	2	initio debilis
17804	2	2	2	2	initio debilis
17709	2	2	2	2	initio debilis
17734	2	2	2	2	initio debilis
17759	2	2	2	2	initio debilis
17784	2	2	2	2	initio debilis
17809	2	2	2	2	initio debilis
17714	2	2	2	2	initio debilis
17739	2	2	2	2	initio debilis
17764	2	2	2	2	initio debilis
17789	2	2	2	2	initio debilis
17814	2	2	2	2	initio debilis
17719	2	2	2	2	initio debilis

17744					initio debilis
17769					initio debilis
17794					initio debilis
17819					initio debilis

**torculus resupinus deminutus**

17951				
17976				
18001				
18026				
18051				
17956				
17981				
18006				
18031				
18056				
17961				
17986				
18011				
18036				
18061				
17966				
17991				
18016				
18041				
18066				
17971				
17996				
18021				
18046				
18071				
17952				
17977				
18002				
18027				
18052				
17957				
17982				
18007				
18032				
18057				
17962				
17987				
18012				

18037	■	■	■
18062	■	■	■
17967	■	■	■
17992	■	■	■
18017	■	■	■
18042	■	■	■
18067	■	■	■
17972	■	■	■
17997	■	■	■
18022	■	■	■
18047	■	■	■
18072	■	■	■
17953	■	■	■
17978	■	■	■
18003	■	■	■
18028	■	■	■
18053	■	■	■
17958	■	■	■
17983	■	■	■
18008	■	■	■
18033	■	■	■
18058	■	■	■
17963	■	■	■
17988	■	■	■
18013	■	■	■
18038	■	■	■
18063	■	■	■
17968	■	■	■
17993	■	■	■
18018	■	■	■
18043	■	■	■
18068	■	■	■
17973	■	■	■
17998	■	■	■
18023	■	■	■
18048	■	■	■
18073	■	■	■
17954	■	■	■
17979	■	■	■

18004	✓	✓	✓	
18029	✓	✓	✓	
18054	✓	✓	✓	
17959	✓	✓	✓	
17984	✓	✓	✓	
18009	✓	✓	✓	
18034	✓	✓	✓	
18059	✓	✓	✓	
17964	✓	✓	✓	
17989	✓	✓	✓	
18014	✓	✓	✓	
18039	✓	✓	✓	
18064	✓	✓	✓	
17969	✓	✓	✓	
17994	✓	✓	✓	
18019	✓	✓	✓	
18044	✓	✓	✓	
18069	✓	✓	✓	
17974	✓	✓	✓	
17999	✓	✓	✓	
18024	✓	✓	✓	
18049	✓	✓	✓	
18074	✓	✓	✓	
17955	✓		✓	
17980	✓	✓	✓	
18005	✓	✓	✓	
18030	✓	✓	✓	
18055	✓	✓	✓	
17960	✓	✓	✓	
17985	✓	✓	✓	
18010	✓	✓	✓	
18035	✓	✓	✓	
18060	✓	✓	✓	

17965				
17990				
18015				
18040				
18065				
17970				
17995				
18020				
18045				
18070				
17975				
18000				
18025				
18050				
18075				
18719				initio debilis
18744				initio debilis
18769				initio debilis
18794				initio debilis
18819				initio debilis
18724				initio debilis
18749				initio debilis
18774				initio debilis
18799				initio debilis
18824				initio debilis
18729				initio debilis
18754				initio debilis
18779				initio debilis
18804				initio debilis
18829				initio debilis
18734				initio debilis
18759				initio debilis
18784				initio debilis
18809				initio debilis
18834				initio debilis
18739				initio debilis
18764				initio debilis
18789				initio debilis

18814				initio debilis
18839				initio debilis
18720				initio debilis
18745				initio debilis
18770				initio debilis
18795				initio debilis
18820				initio debilis
18725				initio debilis
18750				initio debilis
18775				initio debilis
18800				initio debilis
18825				initio debilis
18730				initio debilis
18755				initio debilis
18780				initio debilis
18805				initio debilis
18830				initio debilis
18735				initio debilis
18760				initio debilis
18785				initio debilis
18810				initio debilis
18835				initio debilis
18740				initio debilis
18765				initio debilis
18790				initio debilis
18815				initio debilis
18840				initio debilis
18721				initio debilis
18746				initio debilis
18771				initio debilis
18796				initio debilis
18821				initio debilis
18726				initio debilis
18751				initio debilis
18776				initio debilis
18801				initio debilis
18826				initio debilis
18731				initio debilis
18756				initio debilis
18781				initio debilis
18806				initio debilis

18831				initio debilis
18736				initio debilis
18761				initio debilis
18786				initio debilis
18811				initio debilis
18836				initio debilis
18741				initio debilis
18766				initio debilis
18791				initio debilis
18816				initio debilis
18841				initio debilis
18722				initio debilis
18747				initio debilis
18772				initio debilis
18797				initio debilis
18822				initio debilis
18727				initio debilis
18752				initio debilis
18777				initio debilis
18802				initio debilis
18827				initio debilis
18732				initio debilis
18757				initio debilis
18782				initio debilis
18807				initio debilis
18832				initio debilis
18737				initio debilis
18762				initio debilis
18787				initio debilis
18812				initio debilis
18837				initio debilis
18742				initio debilis
18767				initio debilis
18792				initio debilis
18817				initio debilis
18842				initio debilis

18723				initio debilis
18748				initio debilis
18773				initio debilis
18798				initio debilis
18823				initio debilis
18728				initio debilis
18753				initio debilis
18778				initio debilis
18803				initio debilis
18828				initio debilis
18733				initio debilis
18758				initio debilis
18783				initio debilis
18808				initio debilis
18833				initio debilis
18738				initio debilis
18763				initio debilis
18788				initio debilis
18813				initio debilis
18838				initio debilis
18743				initio debilis
18768				initio debilis
18793				initio debilis
18818				initio debilis
18843				initio debilis