

5-1. Summary of mollusk data

Inter-annual variation in the distribution of 100 common species

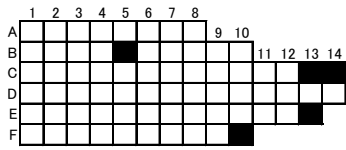
Figure 2.

Yearly fluctuations in the distribution of 100 common species of the study area from 1985 to 2010. Species with an order of abundance (CQ in Table 2) of 1 to 100 were selected, and their distribution depicted. A numeral attached to a species name corresponds to the species code in the List of recorded species (Section 2). A filled square indicates a quadrat in which each species occurred.

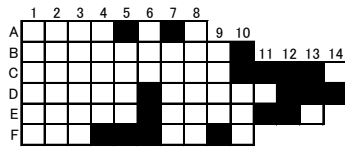
2 *Ischnochiton comptus*

ウスヒザラガイ

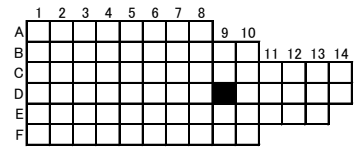
1985



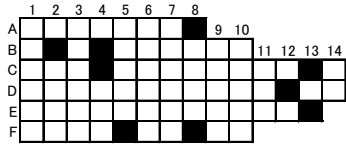
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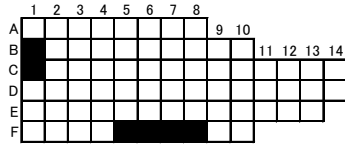
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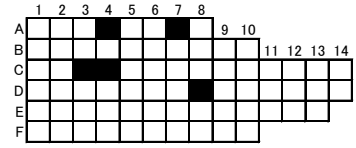
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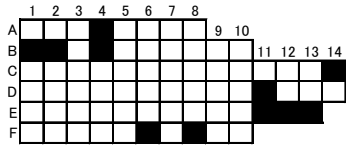
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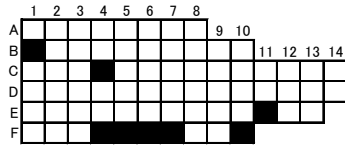
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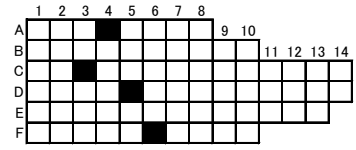
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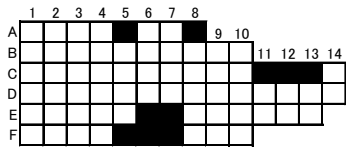
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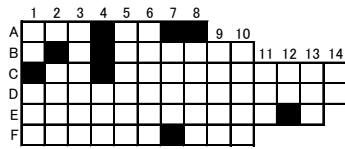
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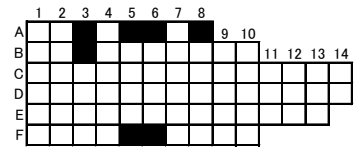
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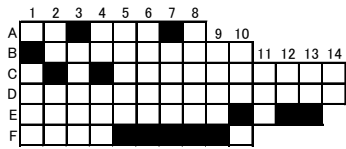
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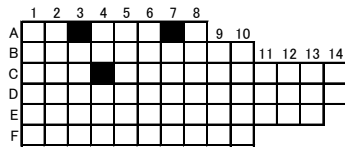
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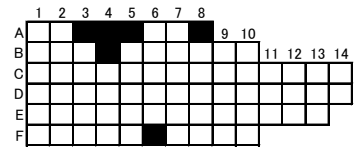
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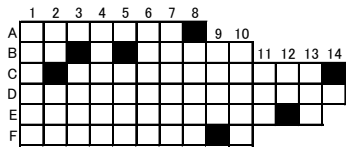
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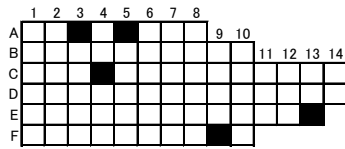
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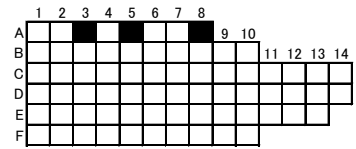
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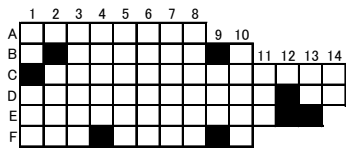
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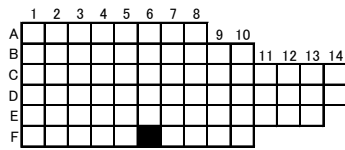
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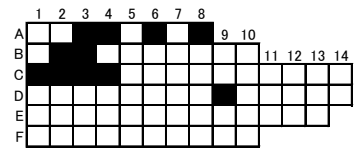
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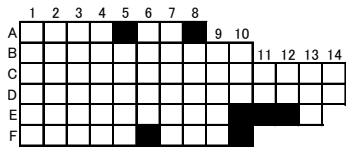
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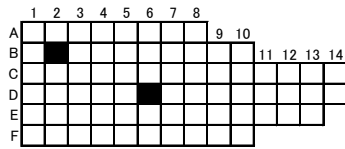
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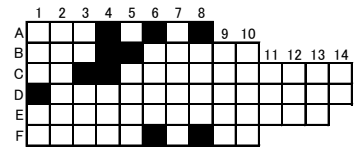
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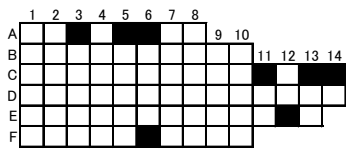
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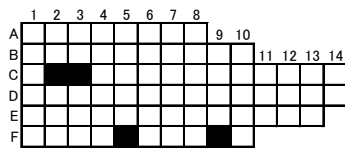
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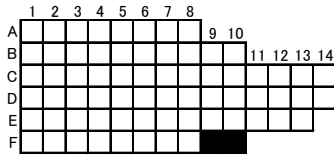


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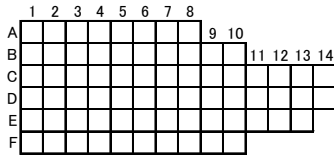


3 *Placiphorella stimpsoni* ババガセ

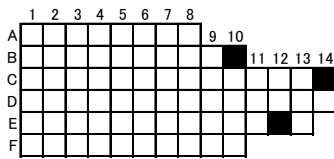
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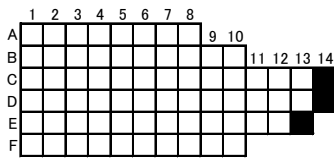
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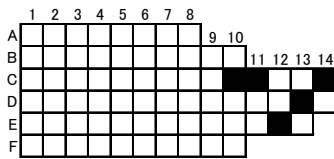
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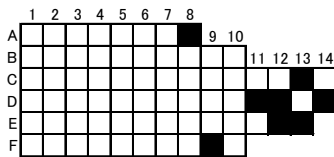
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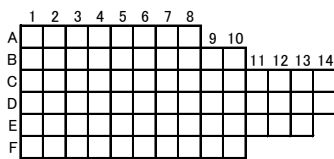
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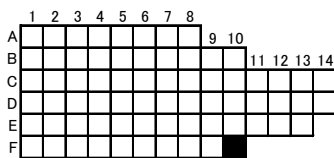
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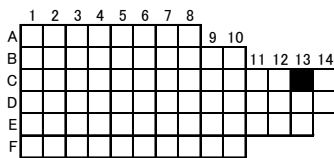
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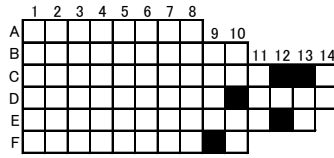
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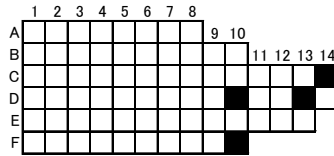
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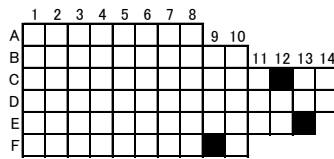
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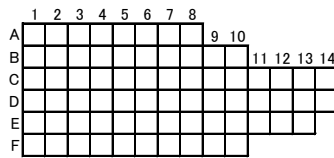
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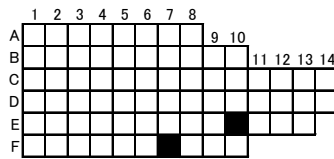
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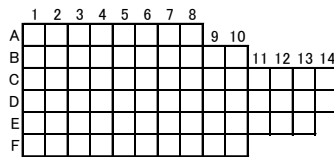
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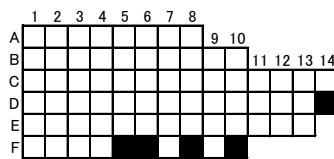
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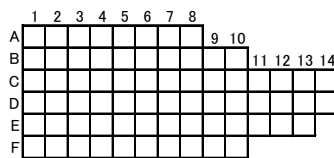
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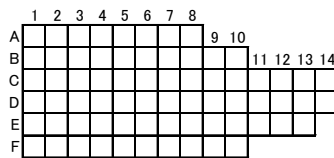
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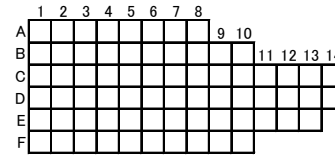
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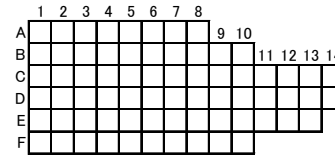
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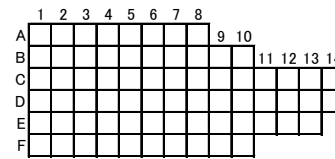
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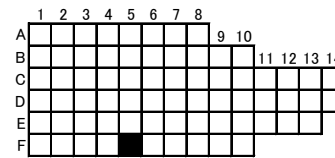
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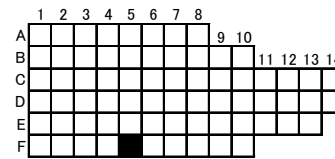
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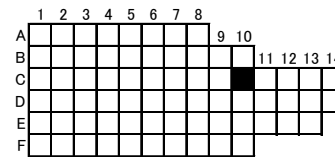
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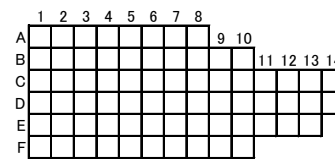
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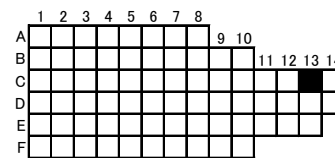
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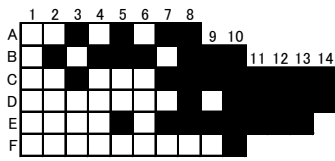


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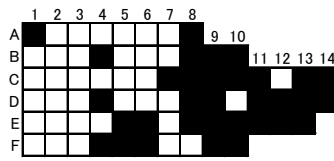


7 *Acanthochitona achates* ヒメケハダヒザラガイ

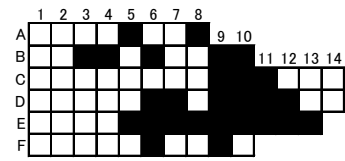
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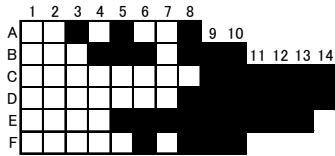
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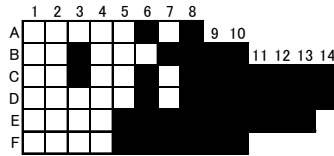
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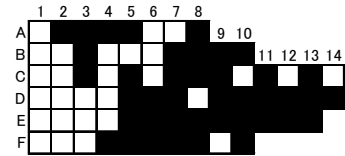
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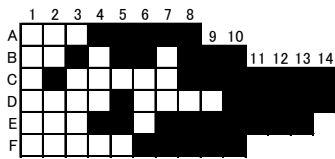
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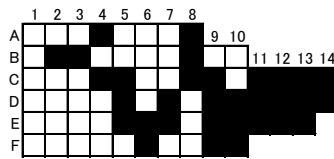
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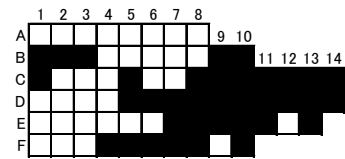
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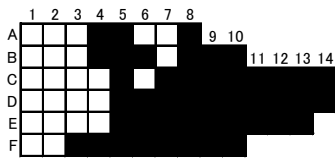
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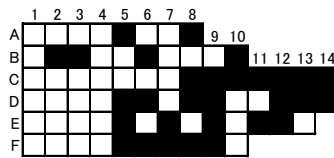
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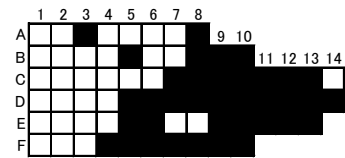
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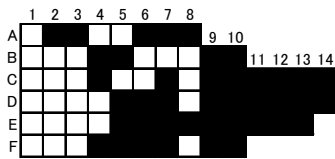
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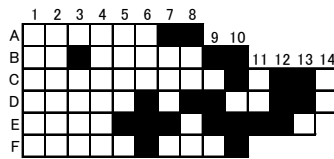
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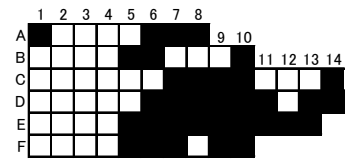
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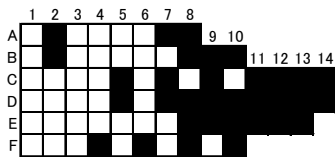
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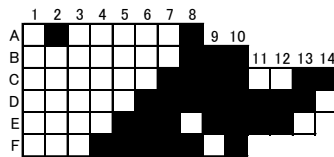
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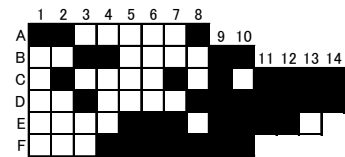
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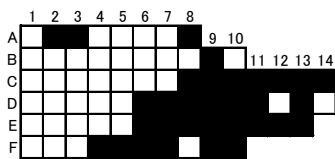
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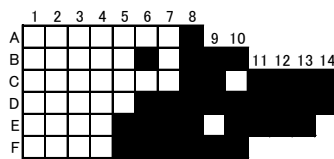
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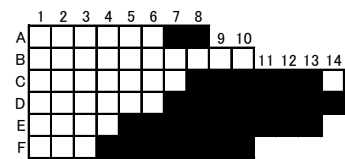
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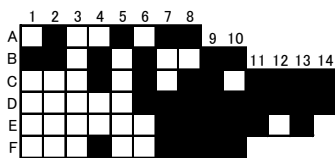
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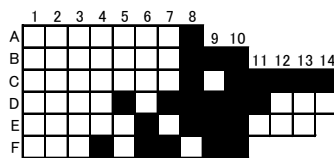
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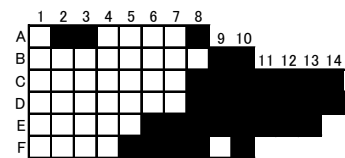
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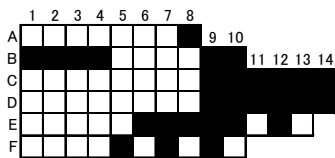
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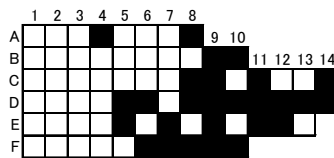
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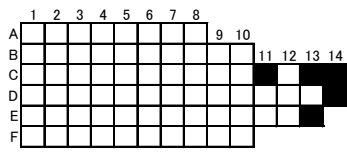


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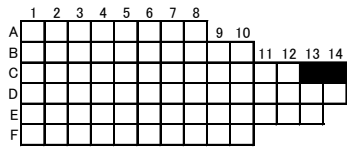


10 *Scutellastra flexuosa* ツタノハ

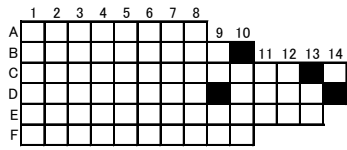
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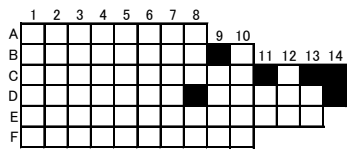
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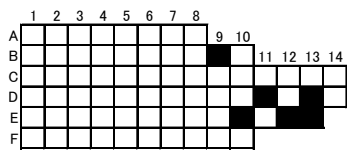
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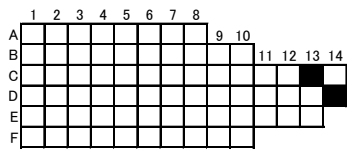
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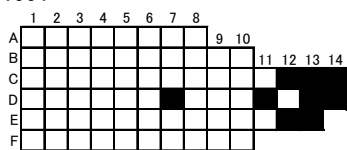
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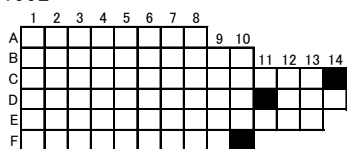
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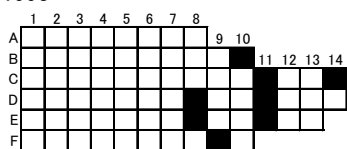
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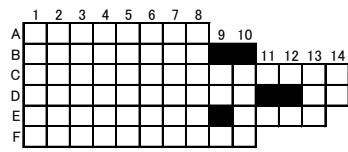
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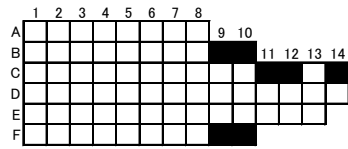
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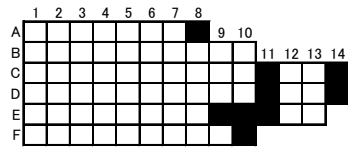
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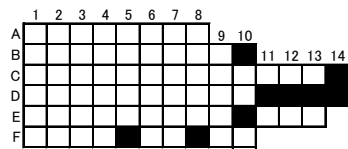
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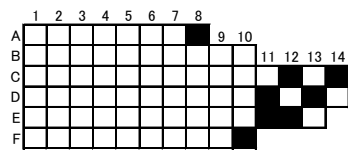
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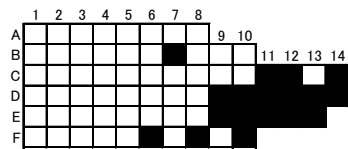
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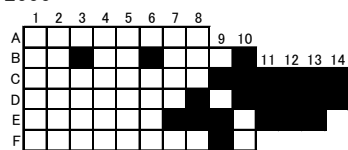
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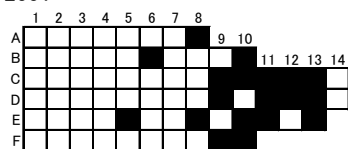
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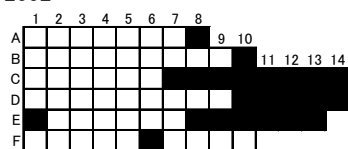
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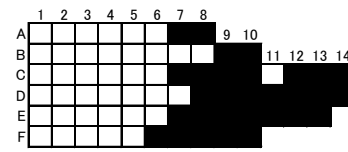
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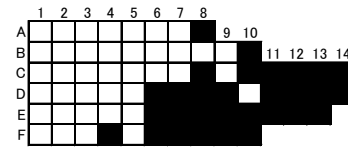
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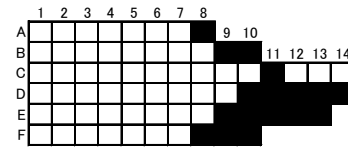
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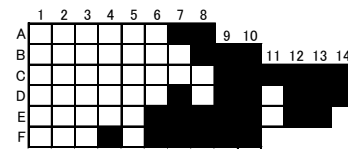
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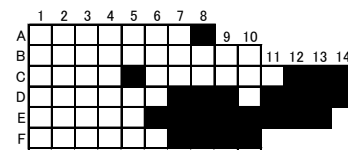
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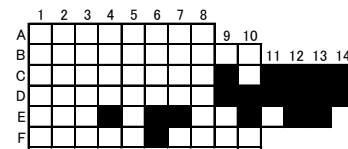
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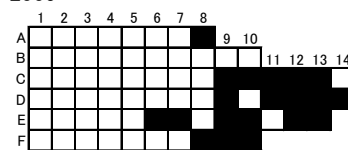
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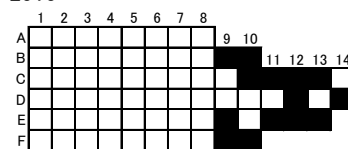
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2009

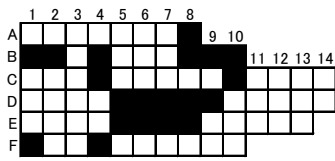


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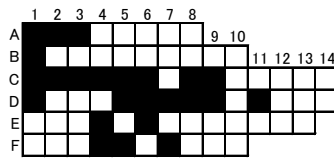


20 *Nipponacmea fuscoviridis* クサイロアオガイ

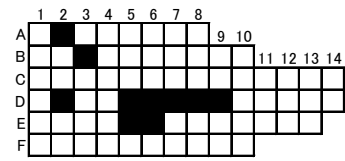
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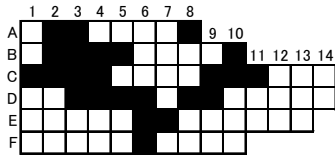
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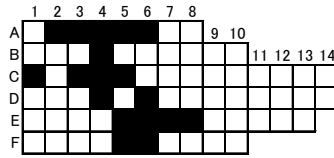
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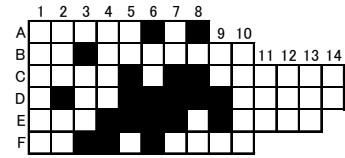
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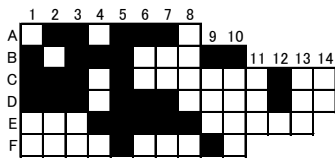
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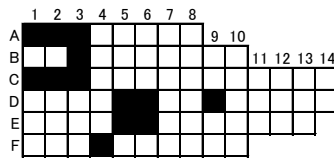
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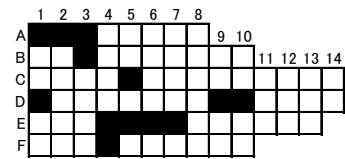
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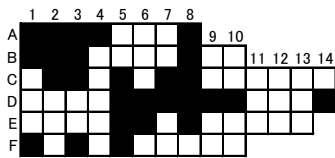
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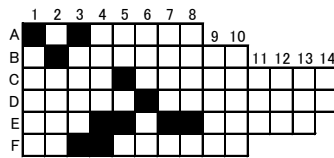
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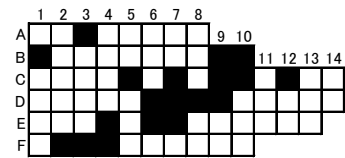
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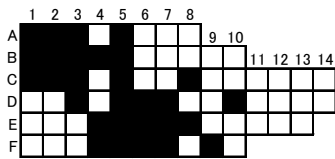
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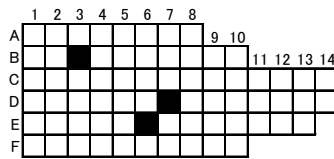
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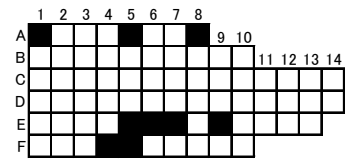
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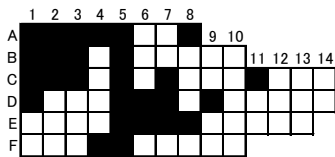
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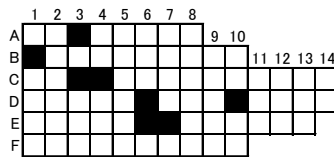
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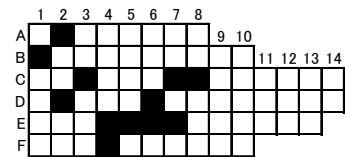
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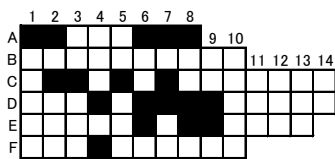
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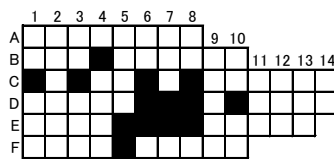
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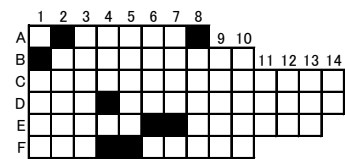
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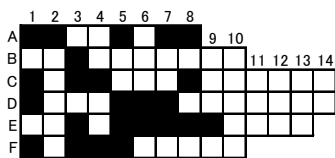
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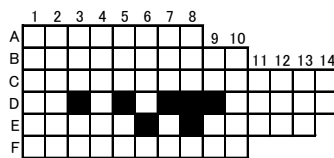
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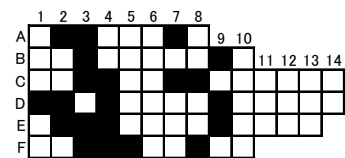
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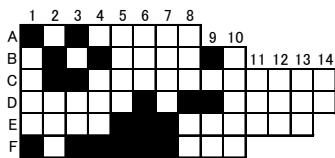
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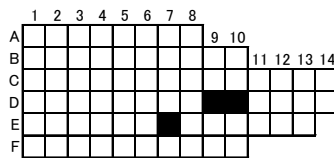
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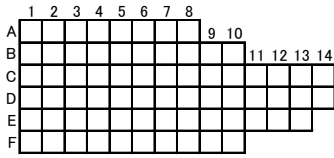


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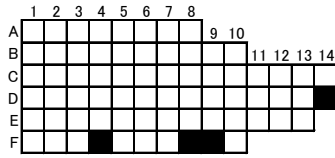


21 *Nipponacmea gloriosa* サクラアオガイ

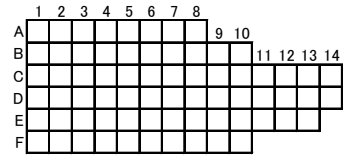
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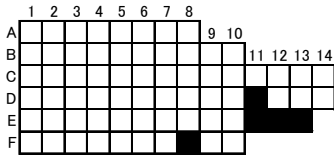
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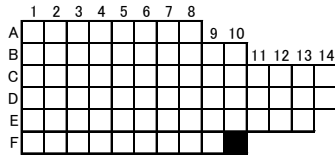
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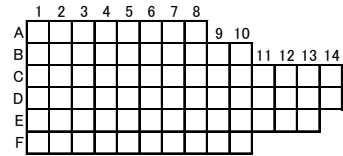
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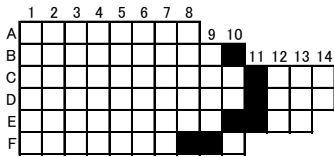
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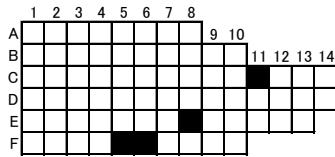
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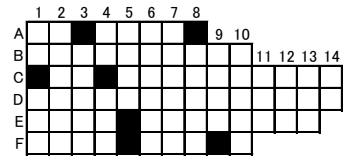
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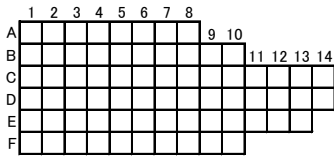
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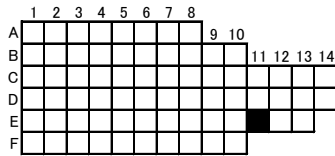
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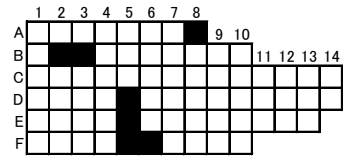
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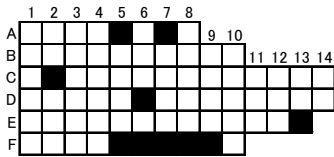
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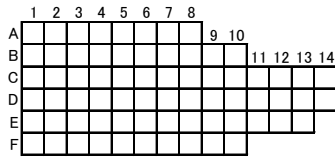
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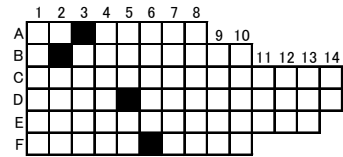
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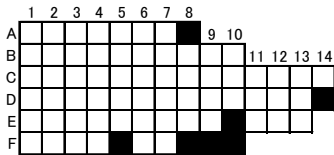
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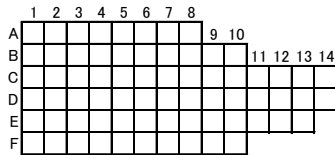
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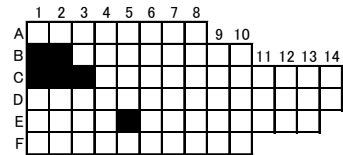
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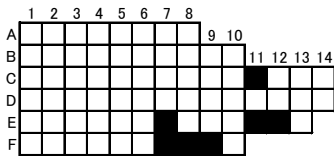
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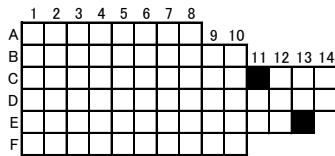
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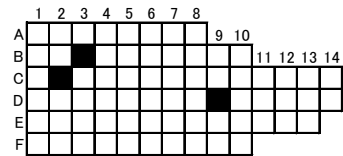
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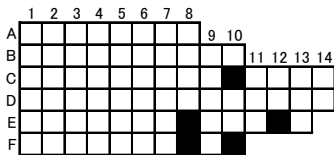
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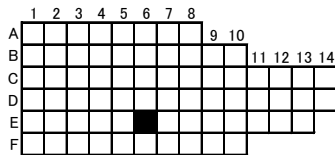
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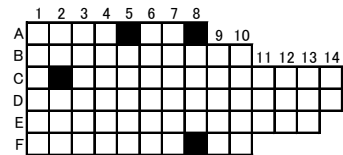
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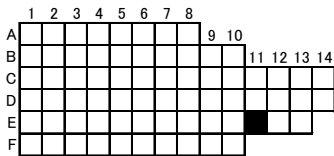
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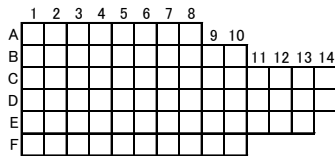
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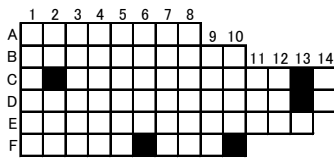


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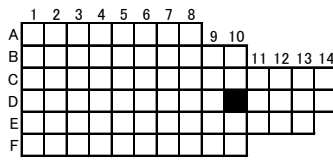


29 *Macroschisma dilatatum* ヒラスカシガイ

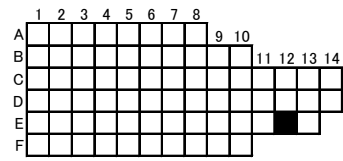
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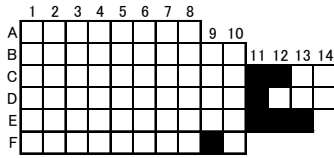
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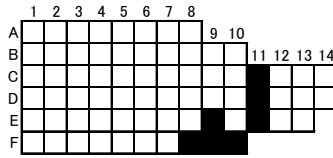
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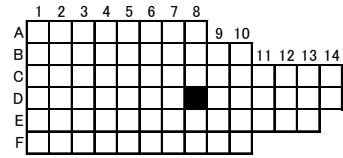
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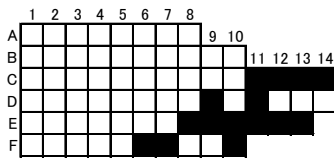
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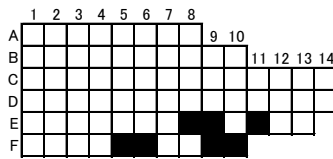
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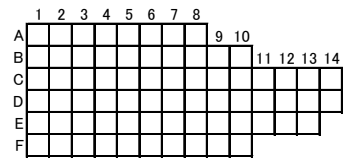
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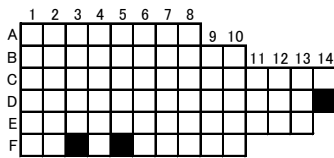
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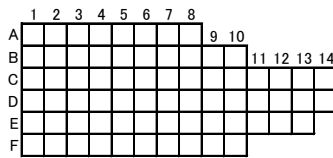
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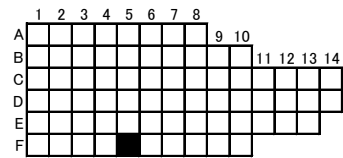
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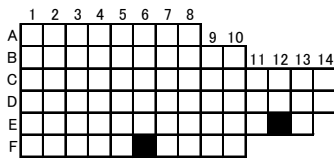
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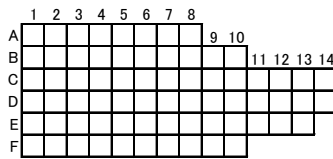
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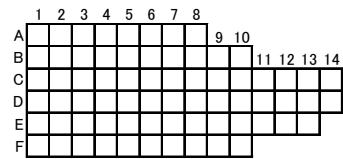
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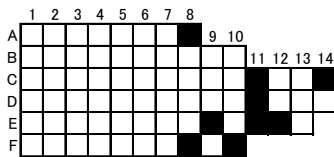
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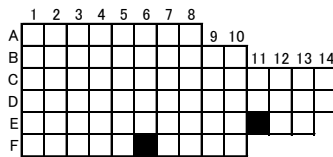
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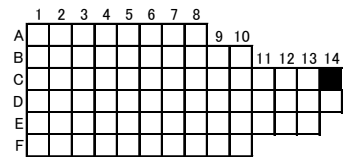
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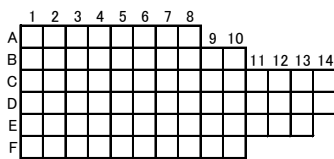
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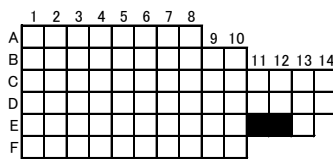
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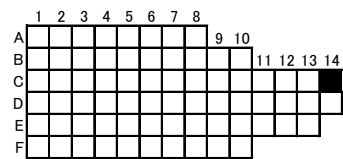
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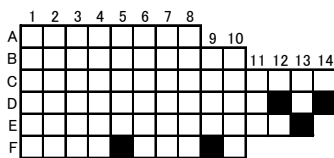
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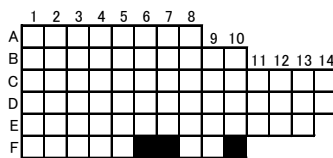
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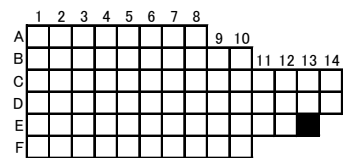
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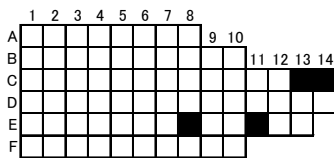
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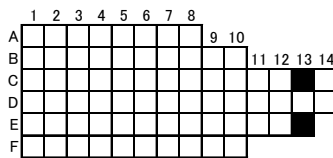
2010



1993

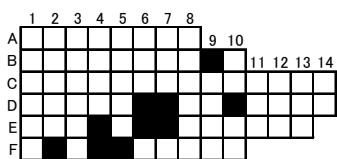


2002

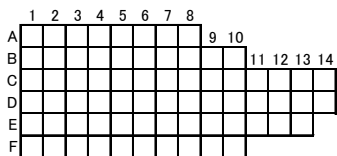


33 *Chlorostoma xanthostigma* クマノコガイ

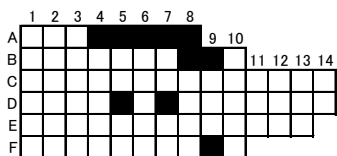
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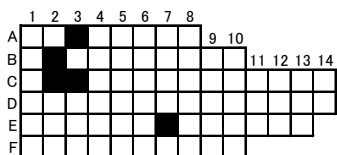
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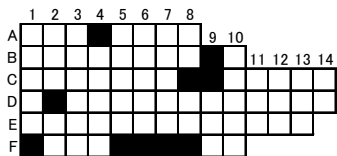
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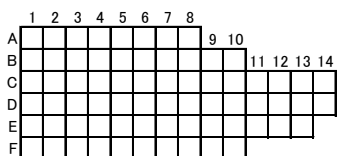
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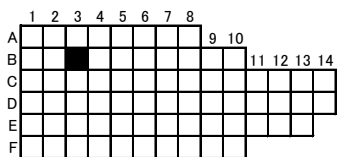
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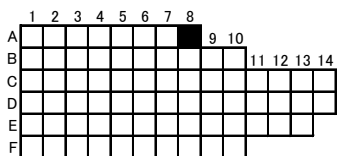
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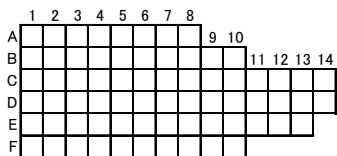
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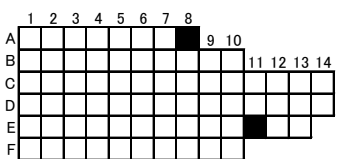
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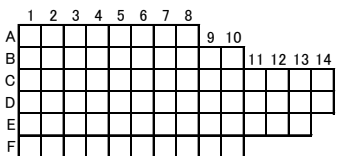
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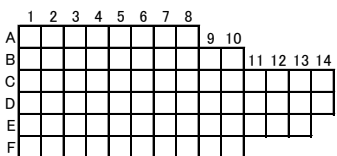
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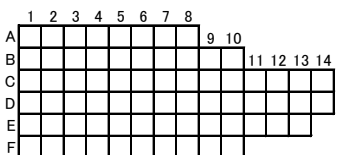
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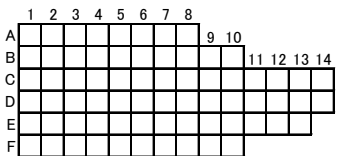
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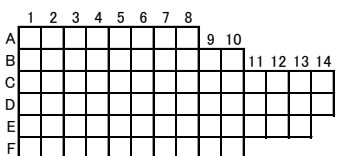
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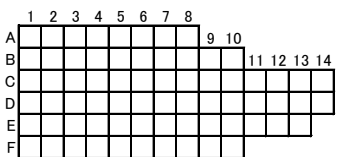
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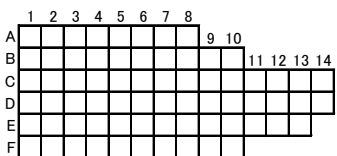
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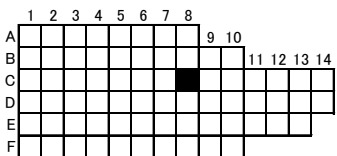
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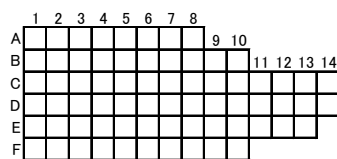
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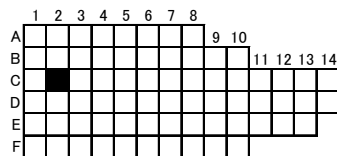
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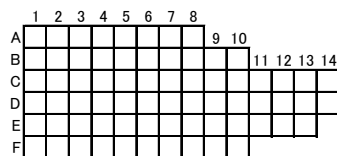
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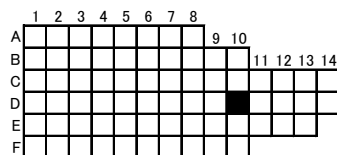
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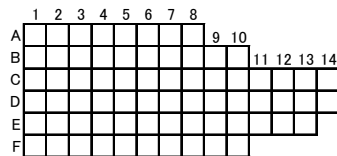
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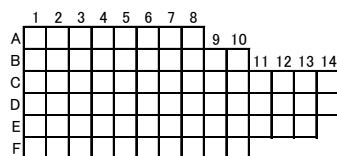
2006



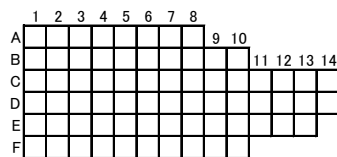
2007



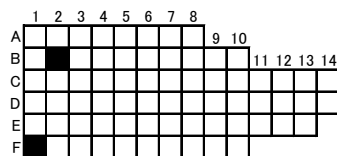
2008



2009

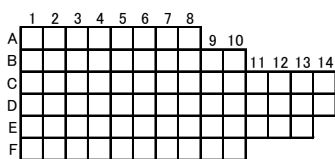


2010

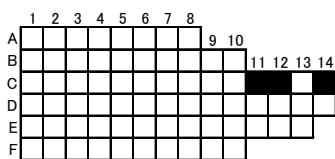


38 *Trochus maculatus* ニシキウズ

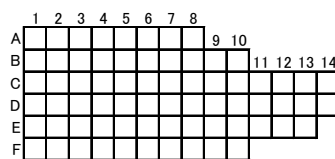
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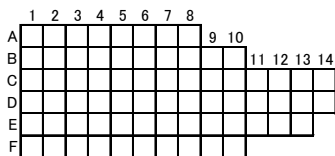
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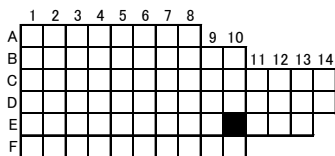
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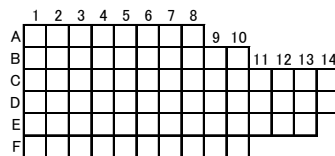
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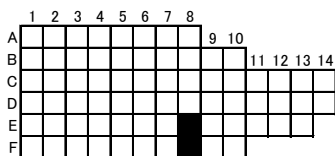
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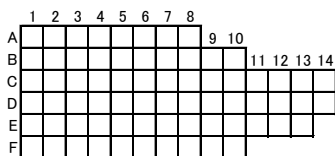
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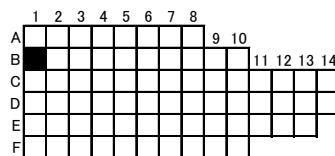
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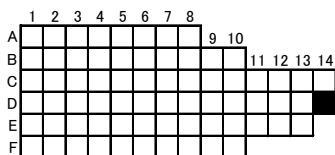
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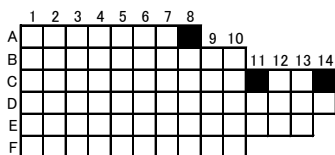
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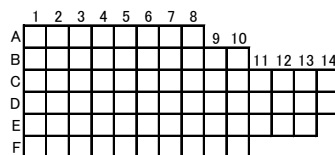
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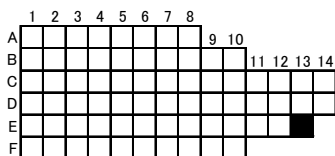
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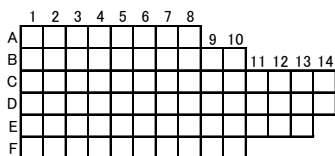
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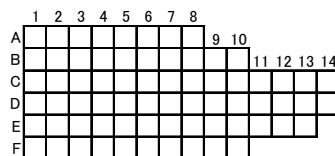
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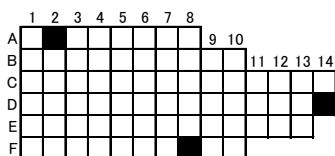
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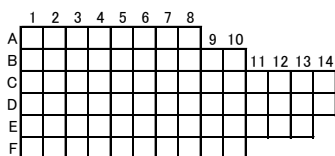
2007



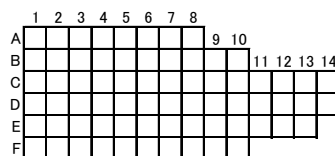
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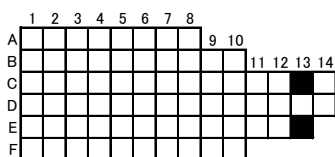
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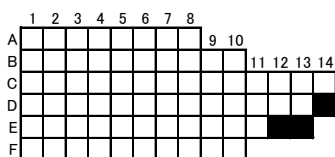
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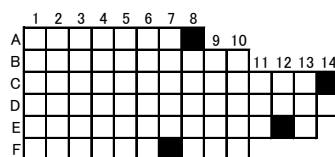
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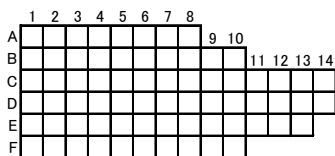
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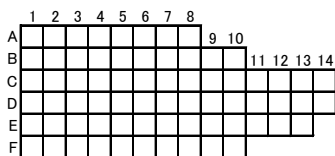
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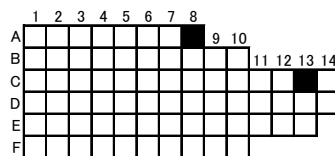
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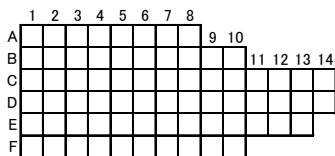
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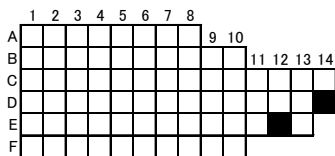
2010



1993

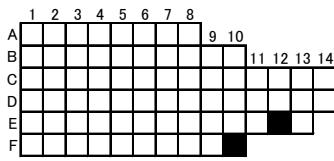


2002

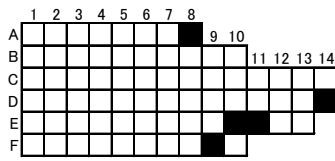


39 *Trochus rota* ウズイチモンジ

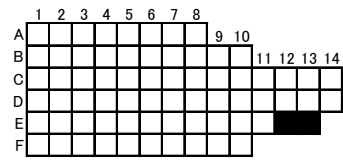
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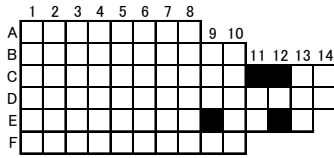
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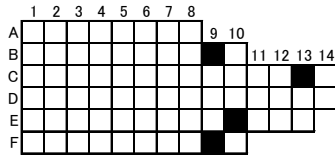
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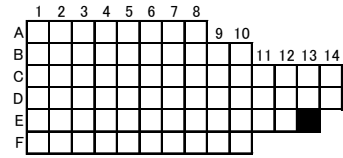
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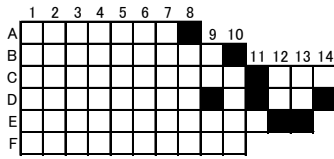
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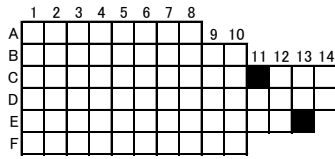
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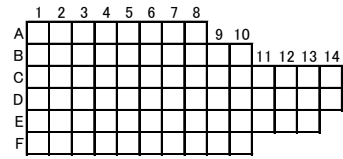
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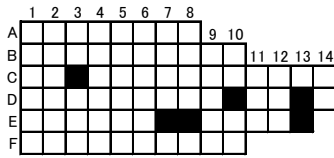
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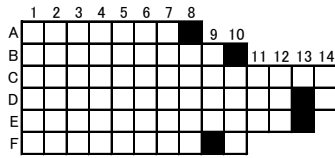
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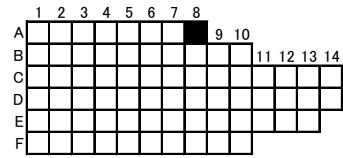
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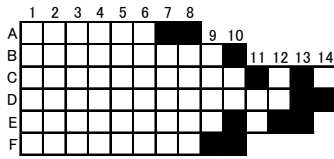
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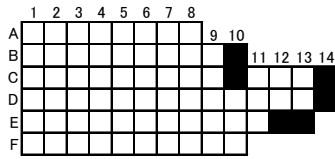
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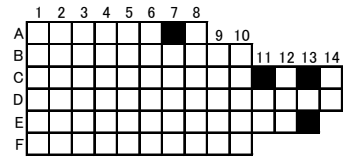
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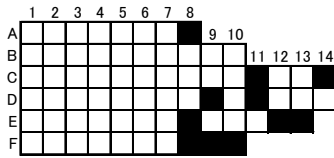
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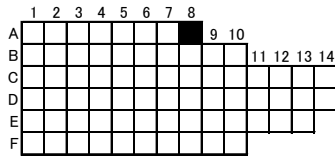
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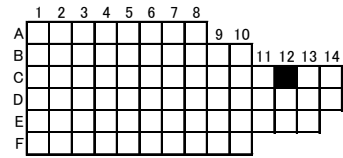
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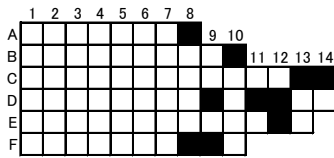
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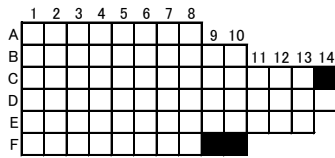
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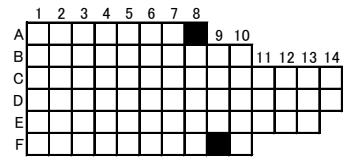
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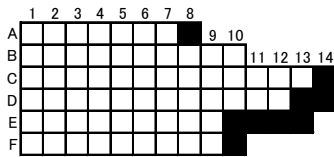
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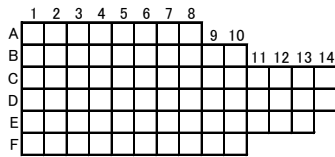
2009



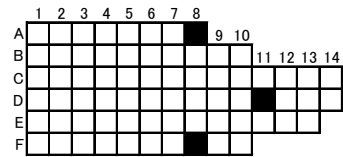
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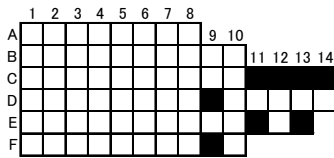
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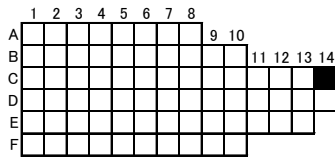
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1993



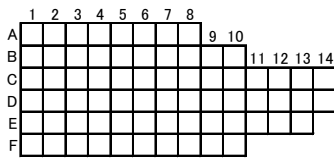
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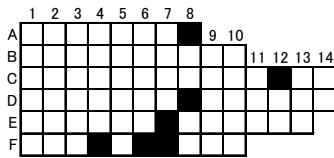
43 *Fossarina picta*

チビアシヤ

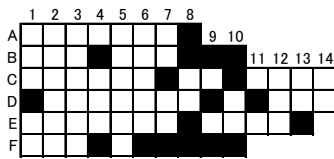
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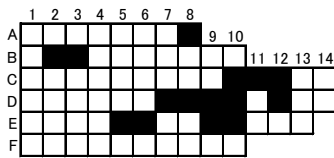
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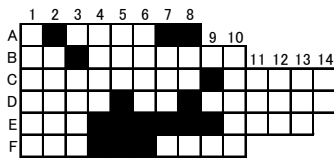
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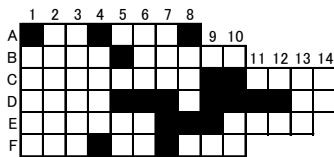
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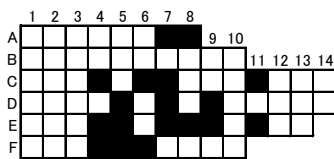
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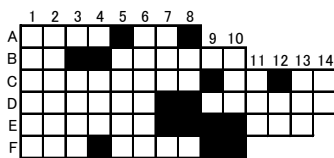
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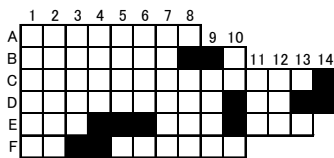
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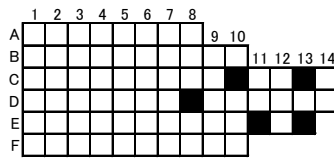
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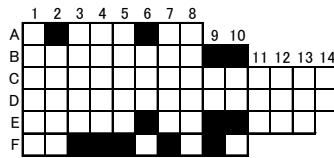
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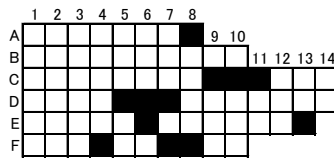
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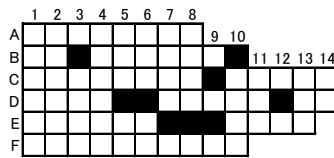
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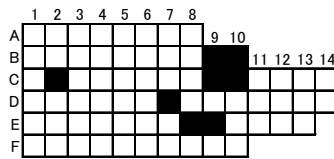
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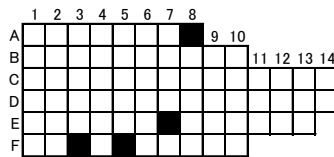
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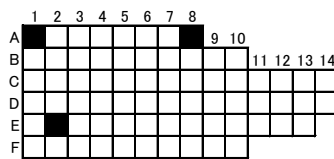
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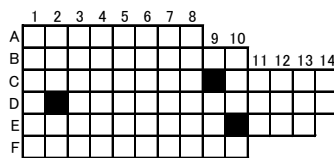
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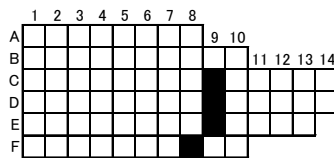
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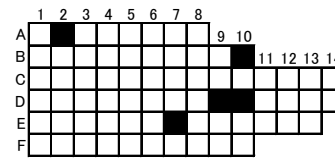
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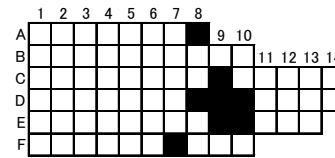
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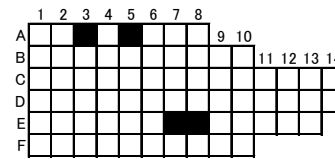
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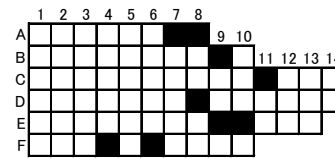
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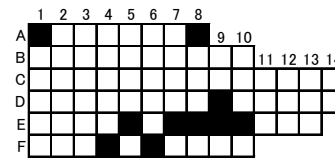
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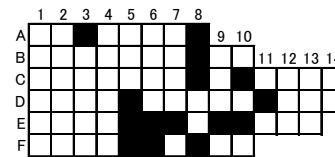
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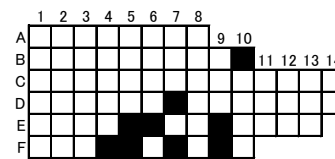
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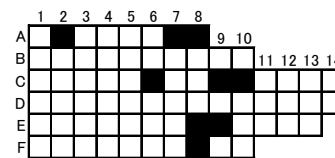
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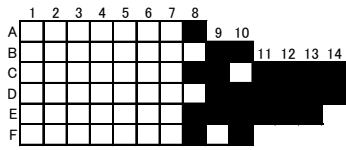
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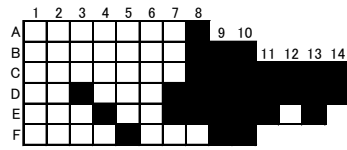
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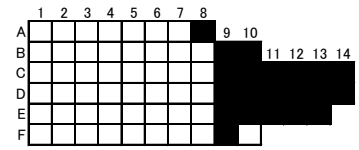
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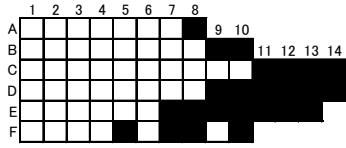
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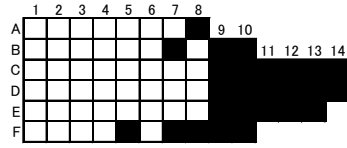
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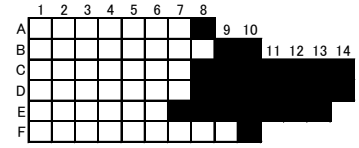
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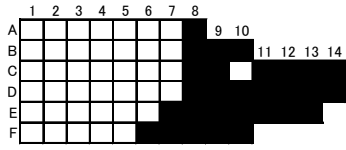
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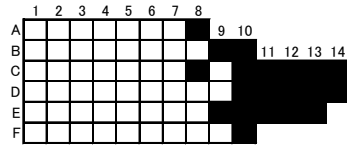
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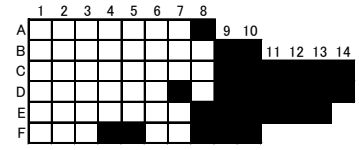
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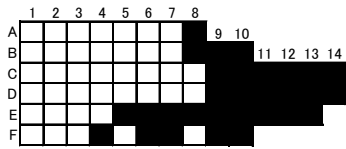
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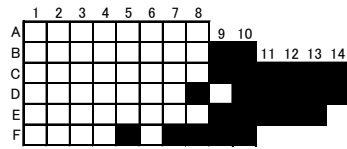
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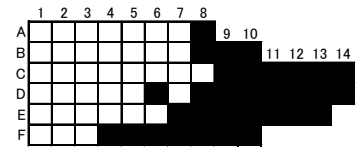
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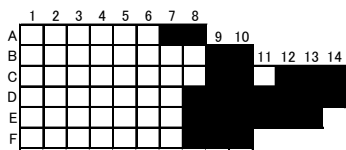
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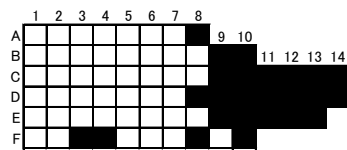
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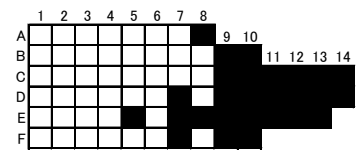
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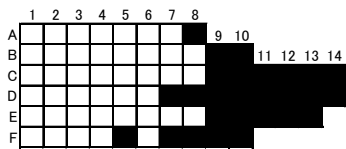
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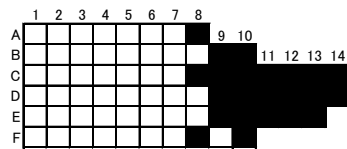
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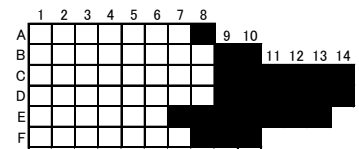
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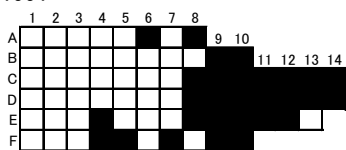
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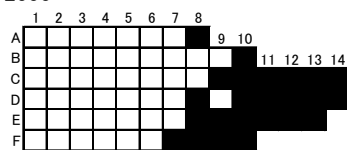
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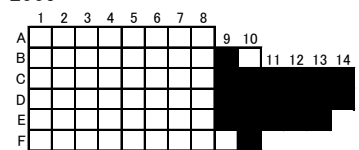
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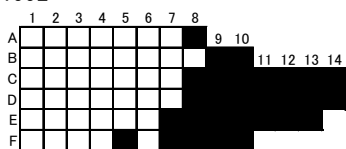
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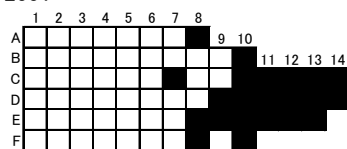
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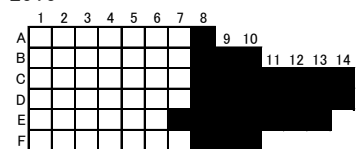
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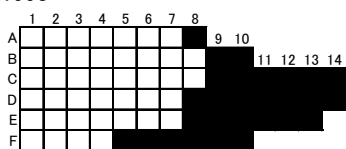
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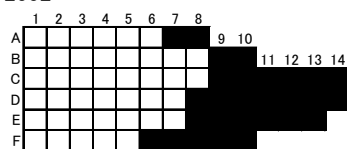
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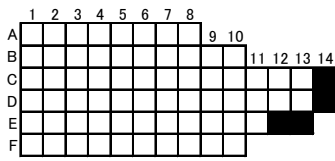


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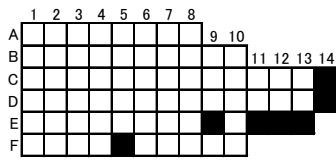


49 *Broderipia iridescens* ハナザラ

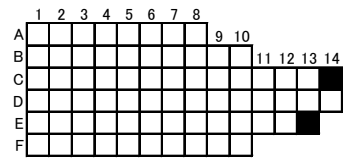
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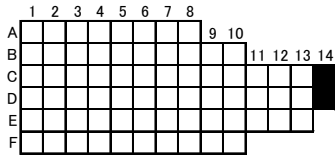
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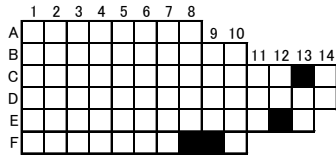
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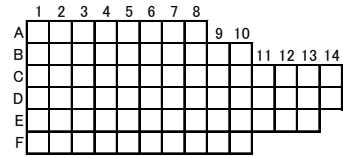
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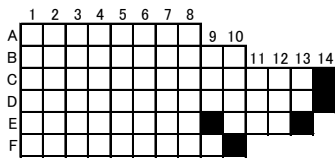
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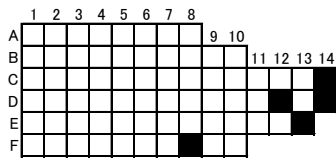
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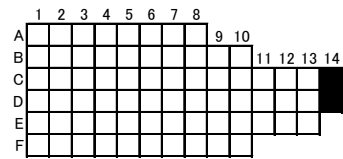
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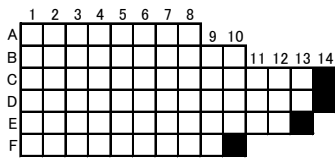
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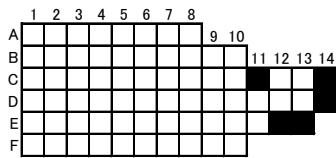
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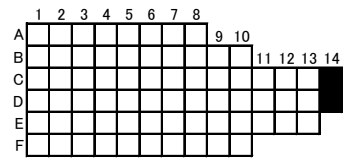
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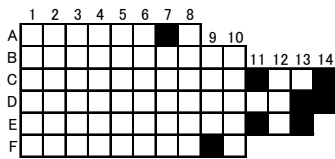
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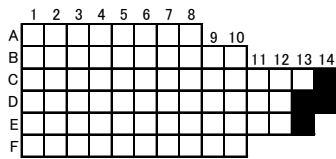
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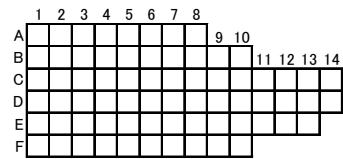
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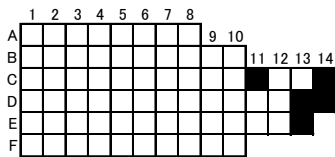
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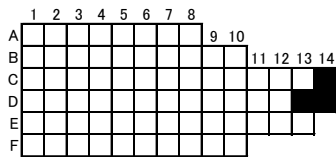
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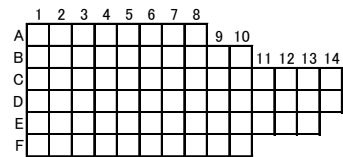
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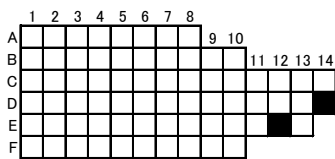
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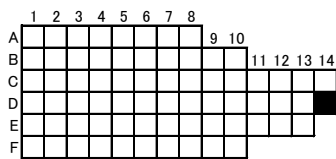
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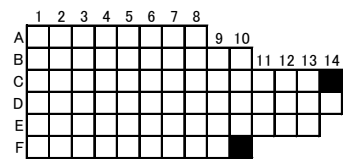
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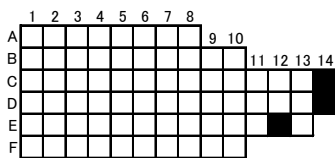
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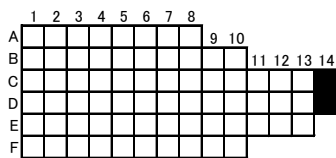
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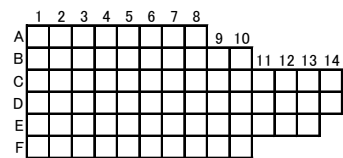
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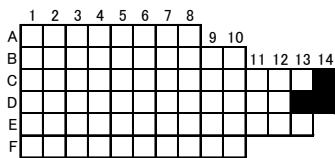
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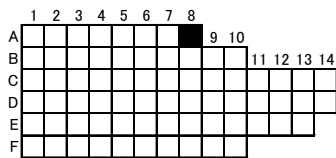
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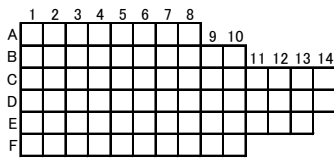
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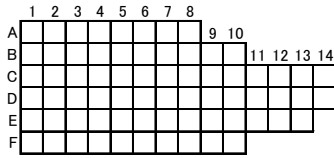
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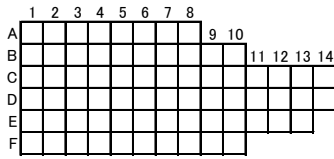
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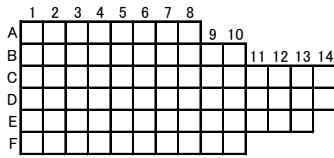
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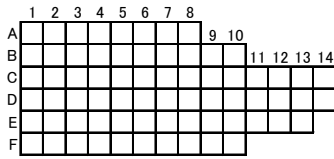
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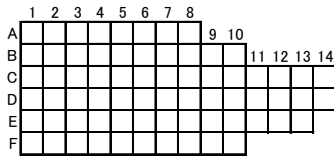
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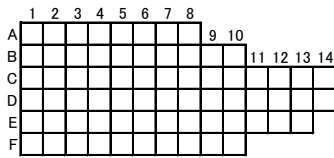
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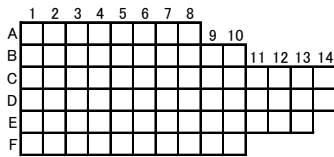
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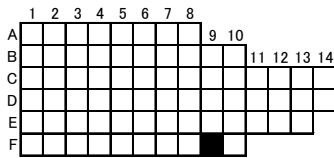
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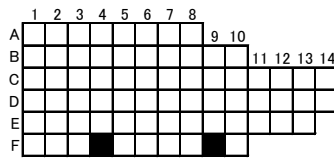
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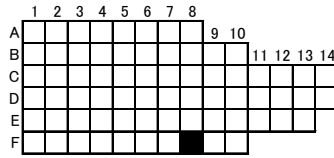
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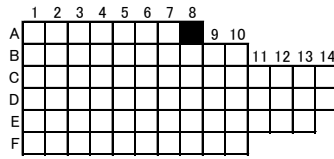
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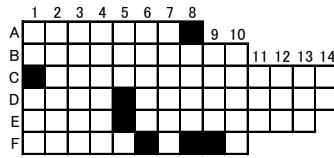
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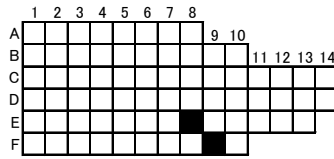
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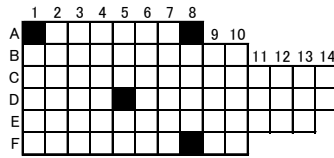
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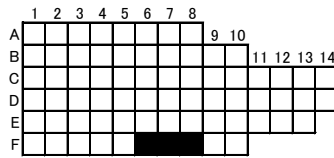
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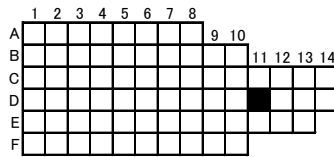
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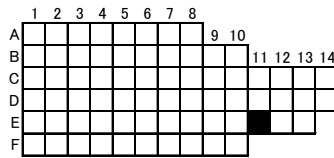
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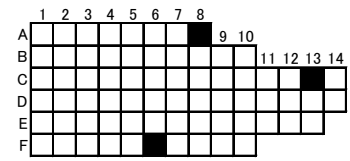
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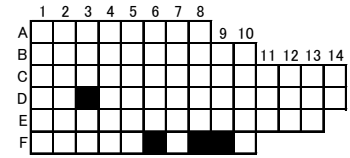
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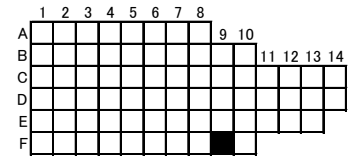
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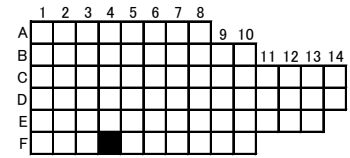
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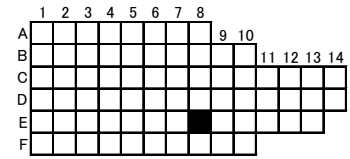
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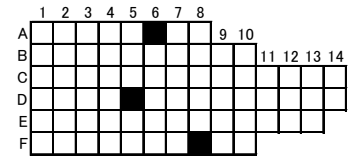
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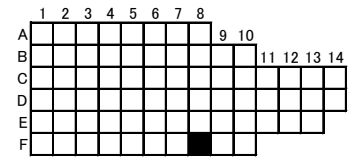
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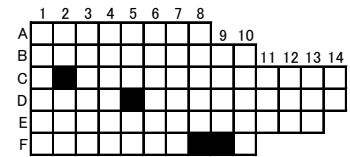
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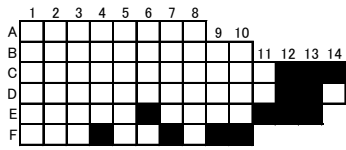
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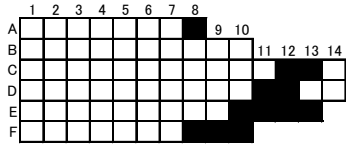
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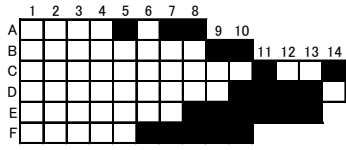
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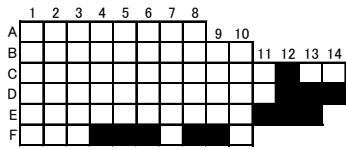
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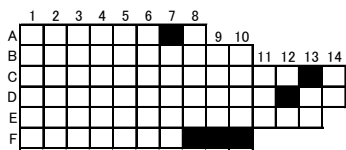
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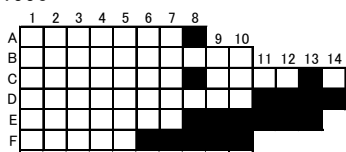
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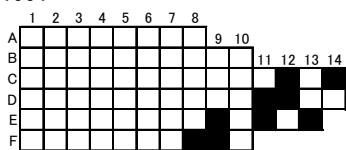
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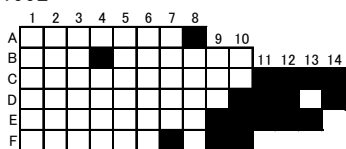
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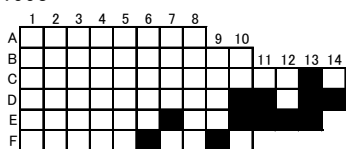
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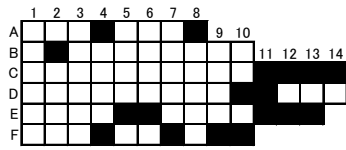
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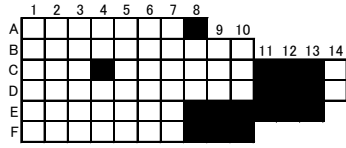
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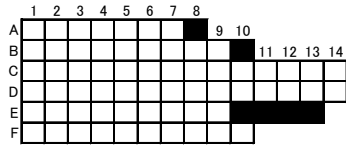
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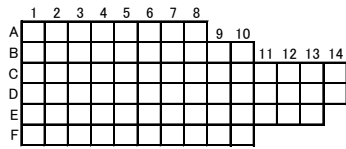
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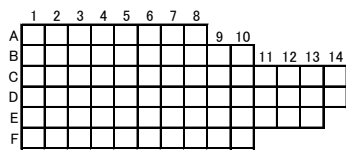
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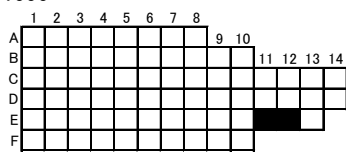
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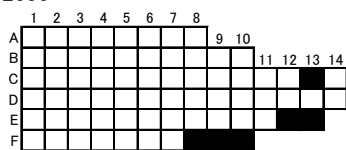
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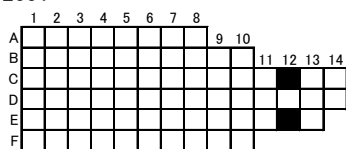
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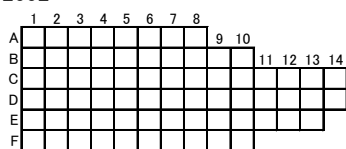
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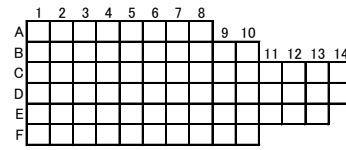
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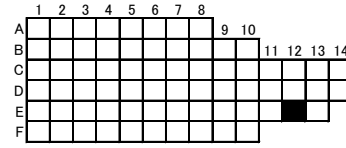
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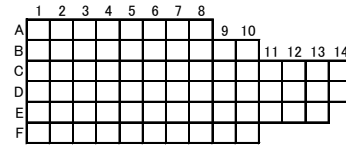
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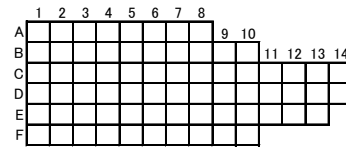
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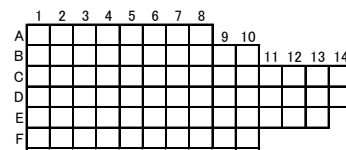
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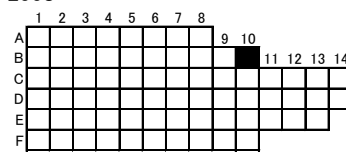
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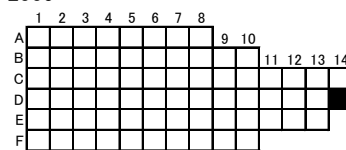
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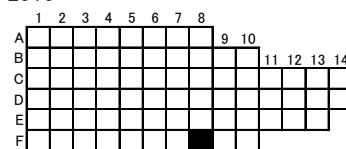
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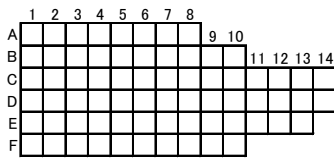
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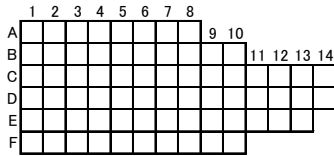
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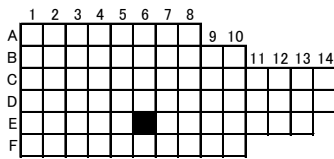
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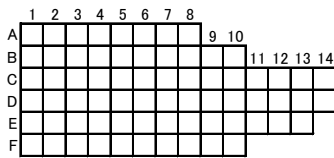
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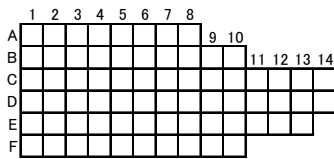
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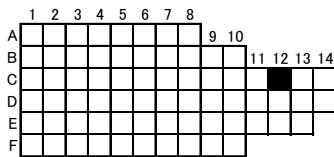
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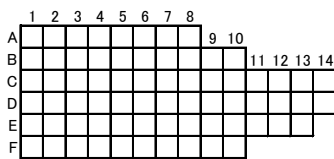
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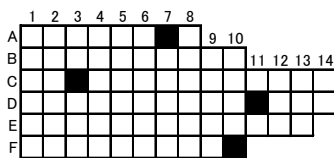
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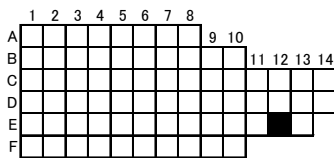
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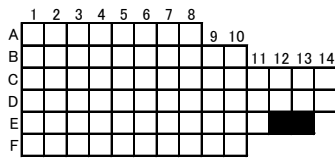
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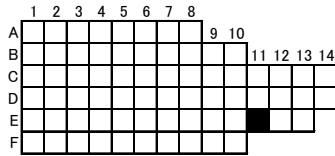
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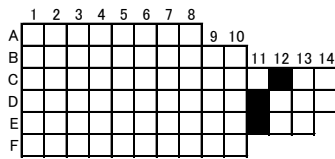
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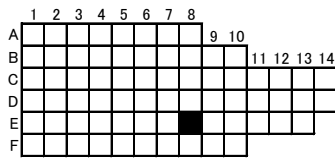
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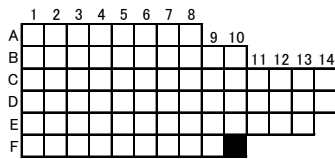
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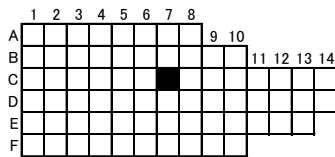
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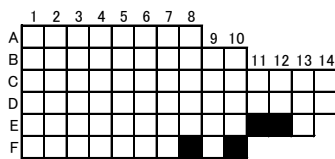
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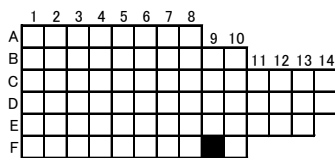
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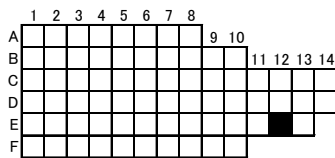
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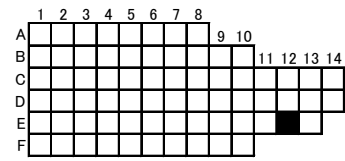
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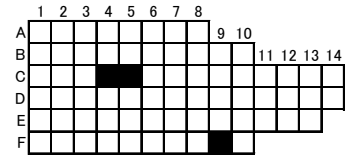
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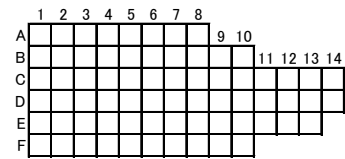
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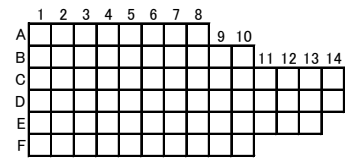
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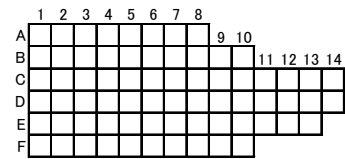
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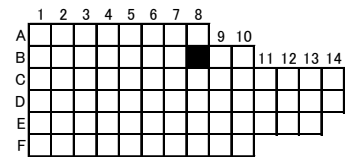
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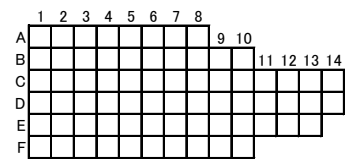
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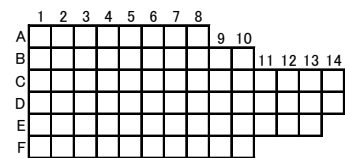
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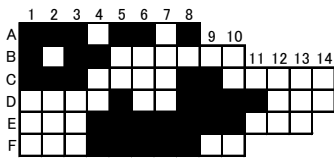
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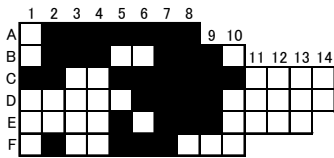
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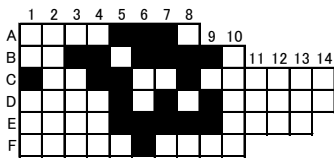
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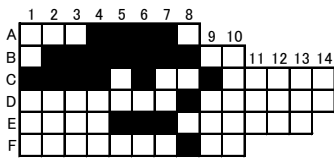
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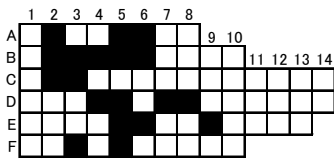
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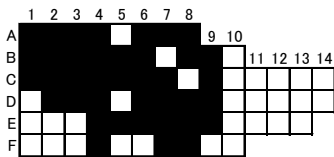
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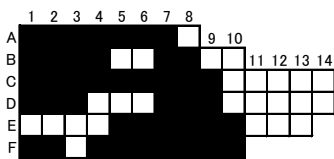
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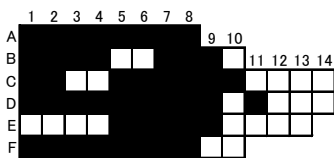
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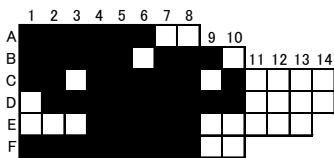
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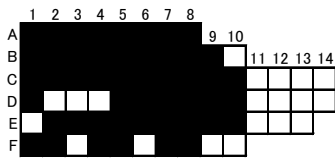
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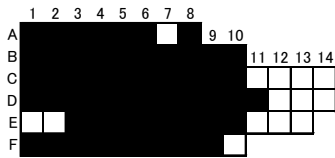
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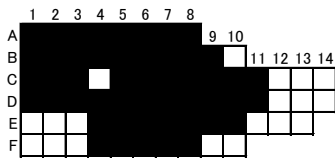
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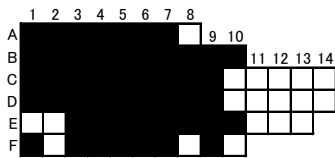
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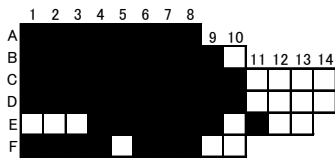
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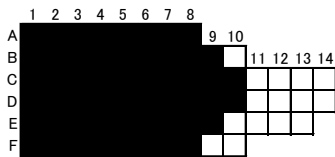
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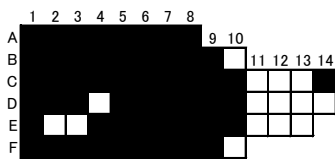
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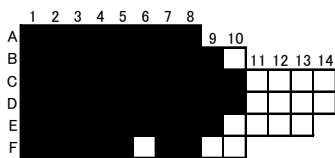
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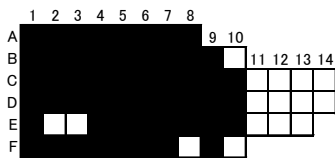
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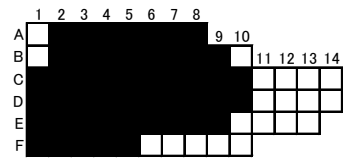
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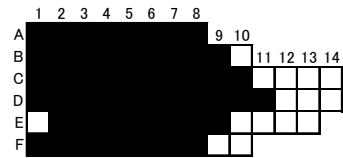
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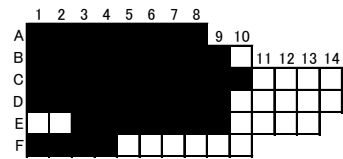
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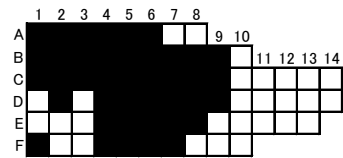
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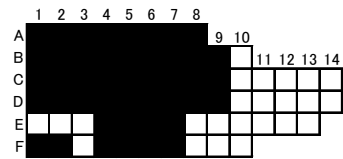
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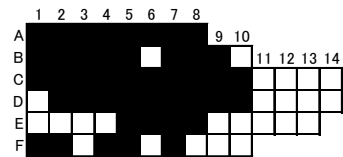
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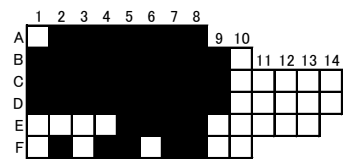
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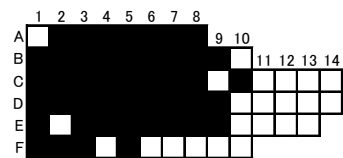
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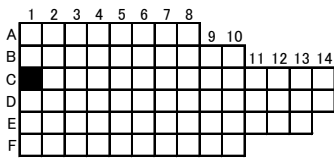
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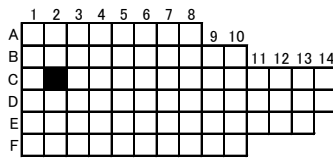
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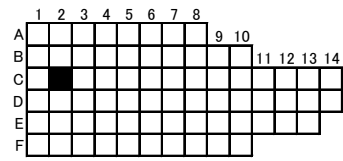
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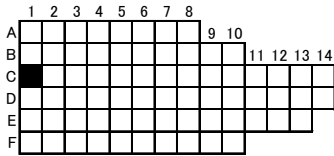
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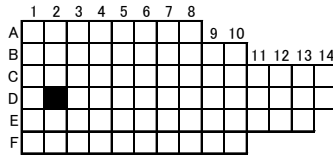
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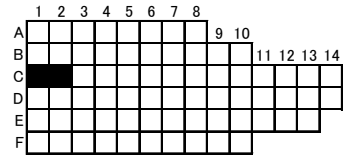
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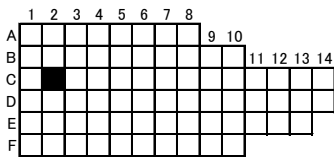
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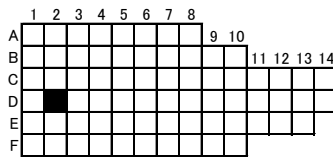
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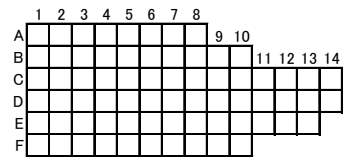
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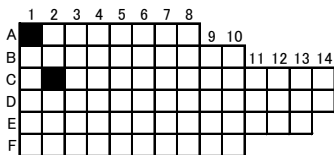
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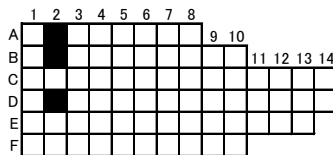
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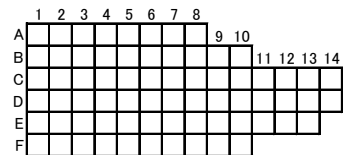
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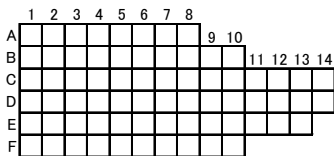
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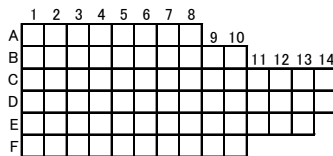
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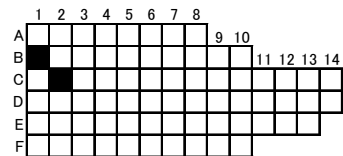
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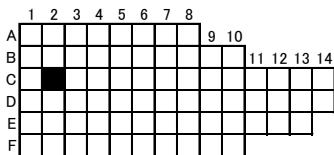
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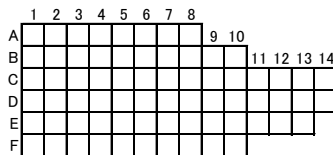
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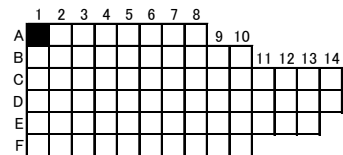
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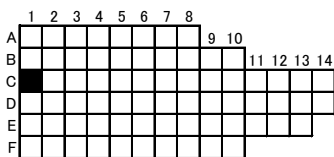
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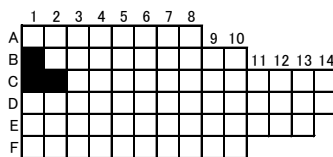
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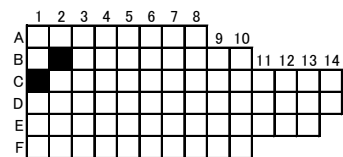
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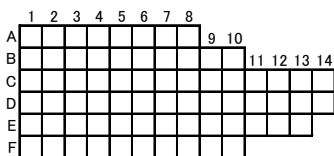
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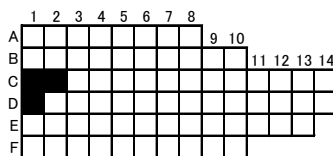
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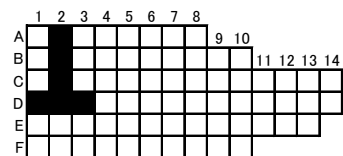
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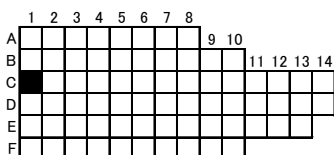
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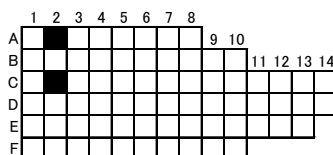
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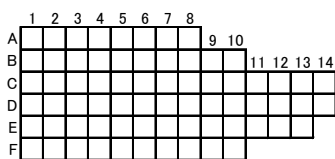
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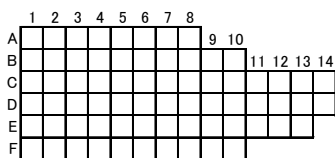
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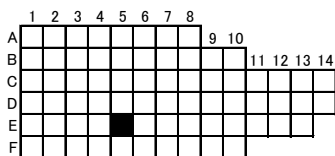
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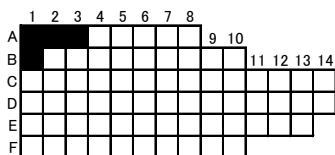
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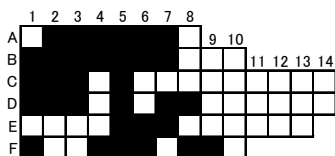
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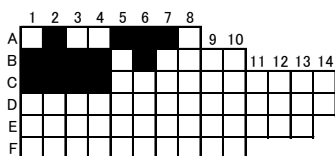
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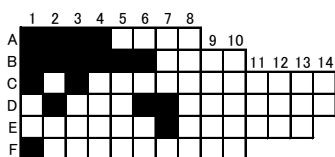
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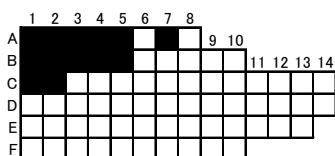
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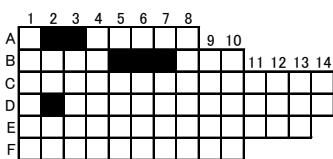
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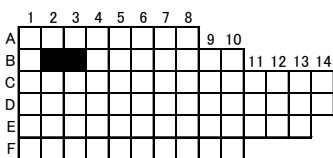
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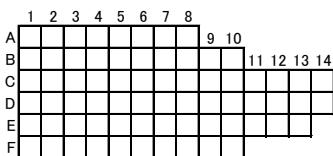
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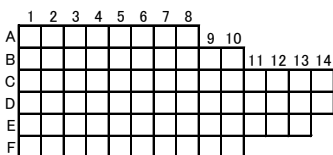
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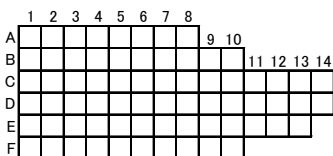
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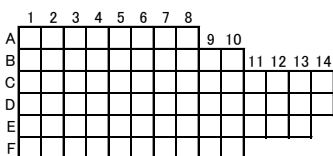
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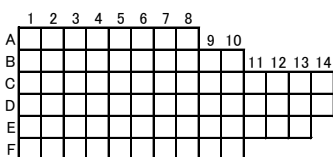
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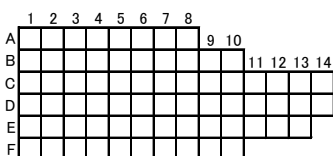
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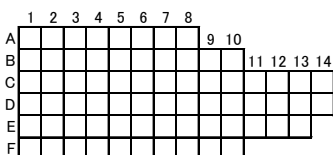
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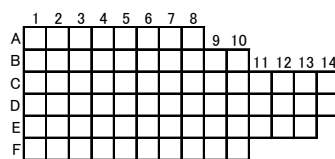
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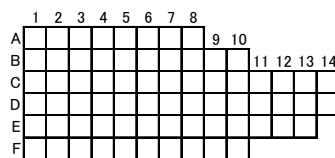
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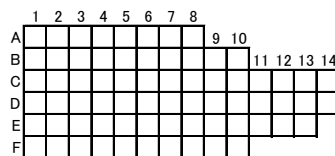
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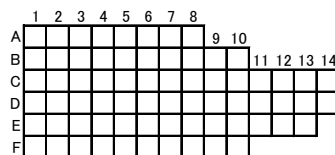
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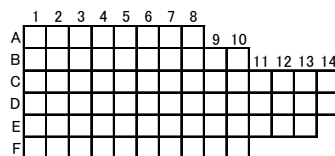
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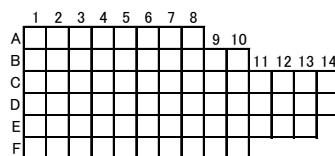
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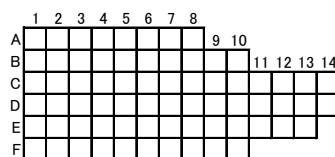
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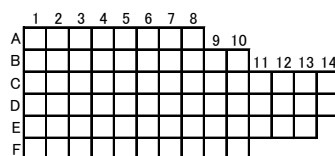
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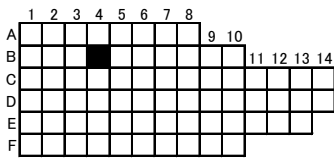


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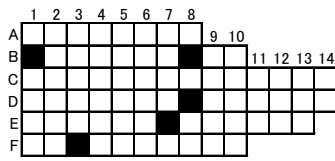


80 *Nodilittorina vidua* タイワンタマキビ

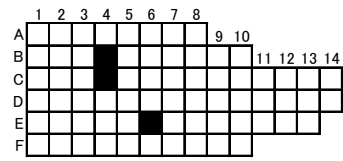
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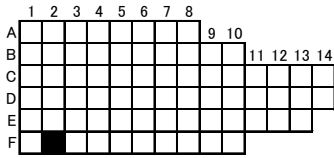
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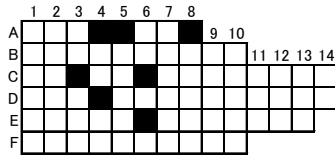
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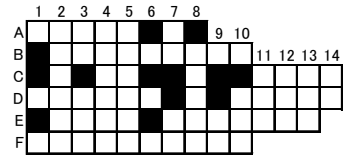
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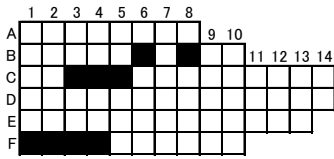
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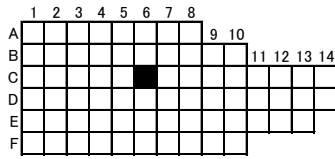
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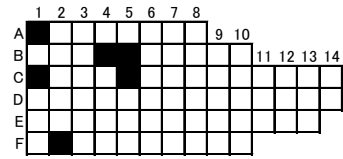
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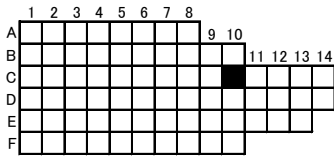
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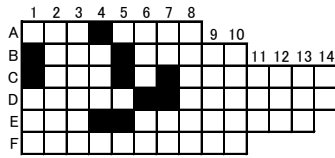
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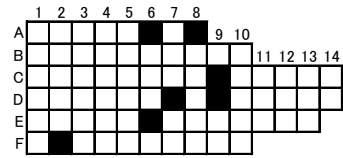
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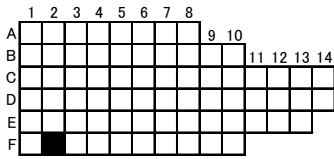
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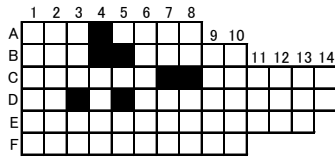
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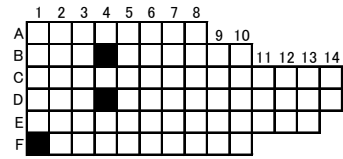
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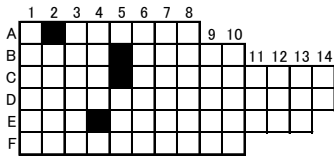
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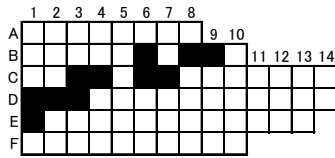
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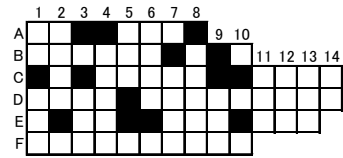
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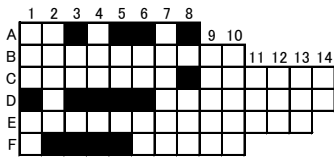
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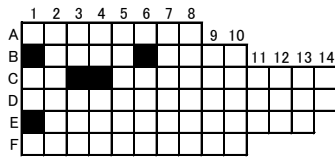
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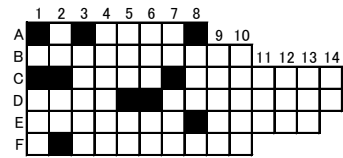
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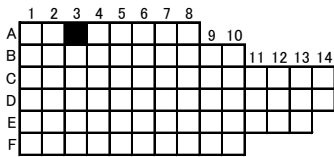
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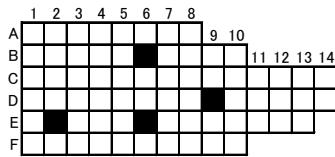
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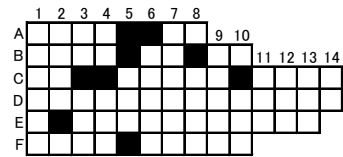
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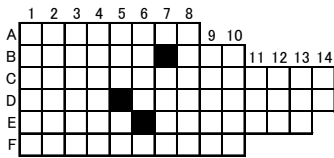
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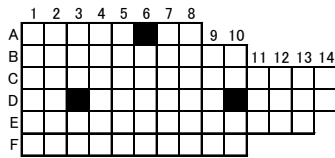
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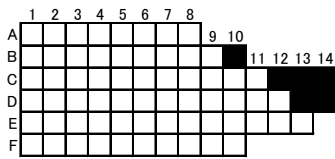


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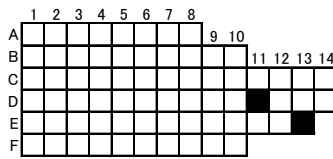


91 *Dendropoma dragonella* タツノコヘビガイ

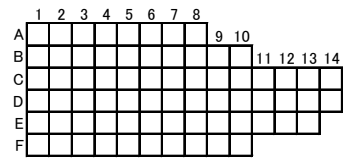
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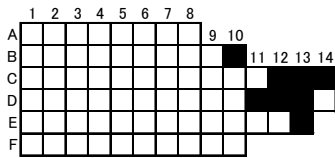
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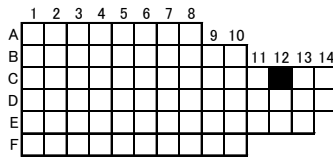
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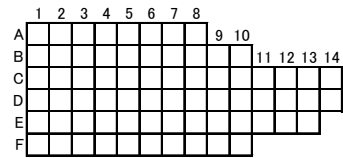
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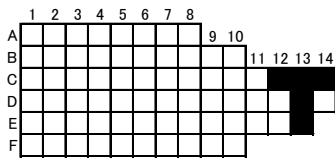
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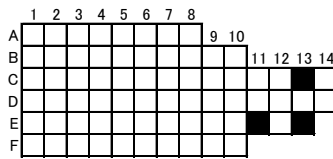
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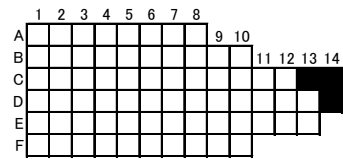
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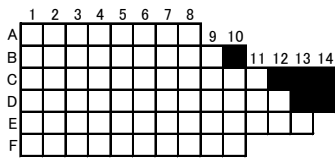
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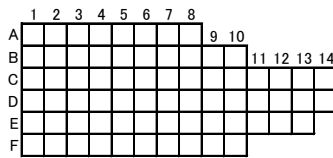
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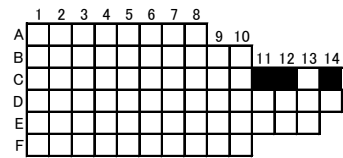
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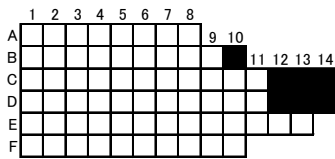
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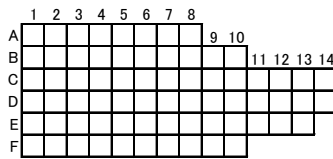
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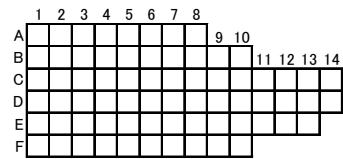
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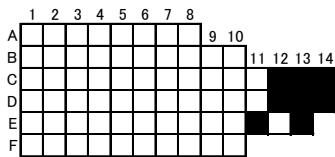
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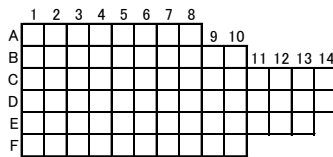
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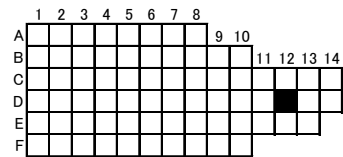
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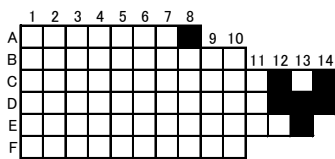
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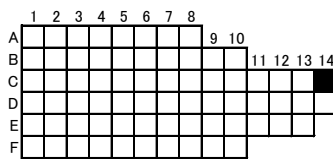
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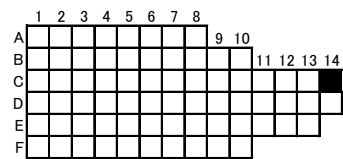
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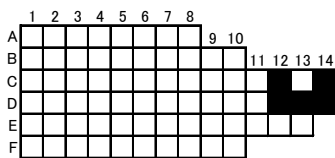
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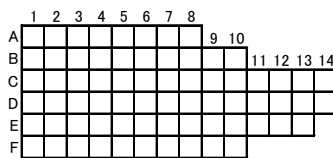
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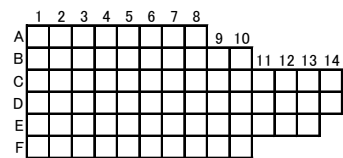
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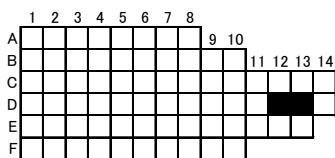
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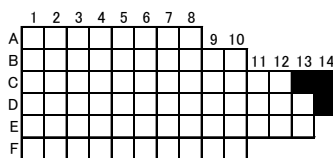
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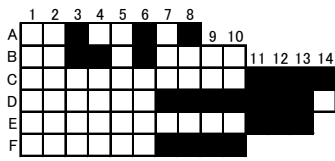


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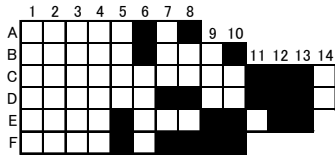


94 *Serpulorbis imbricatus* オオヘビガイ

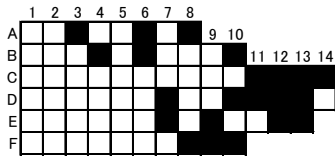
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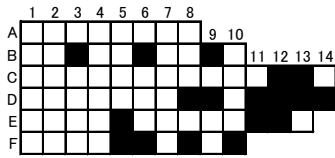
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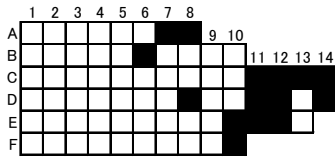
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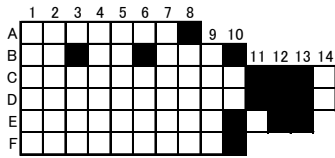
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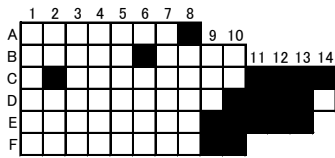
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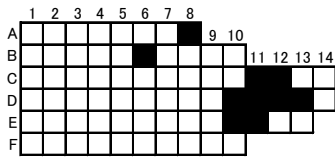
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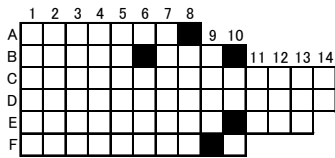
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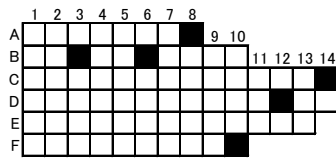
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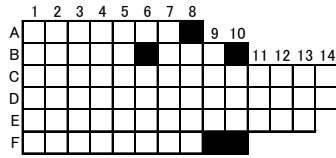
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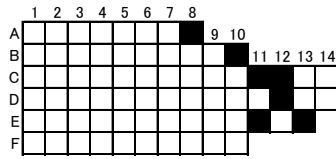
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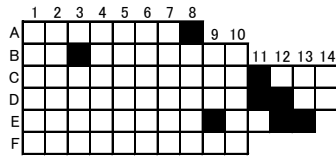
1995



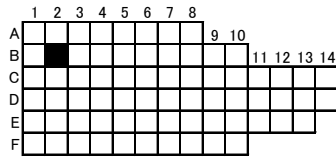
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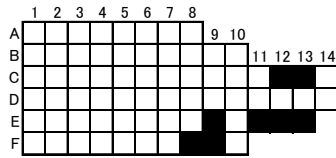
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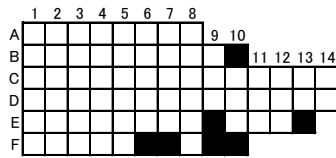
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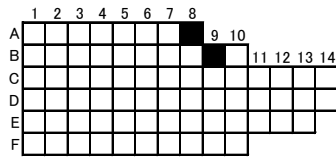
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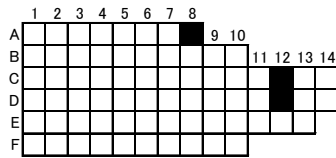
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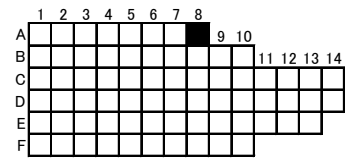
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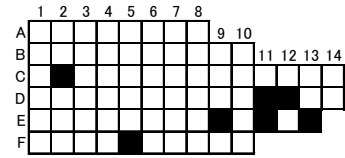
2002



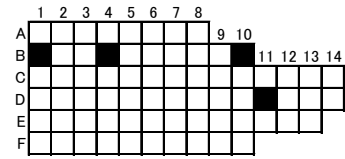
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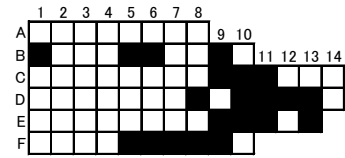
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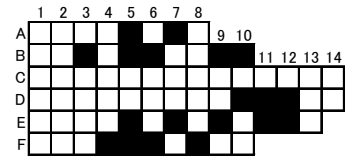
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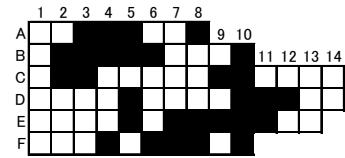
2006



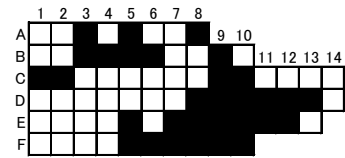
2007



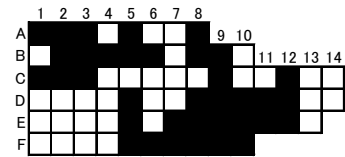
2008



2009

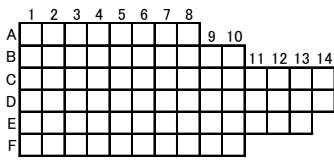


2010

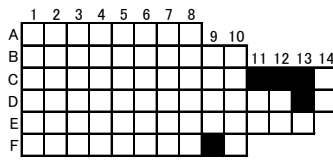


99 *Cypraea caputserpentis* ハナマルユキ

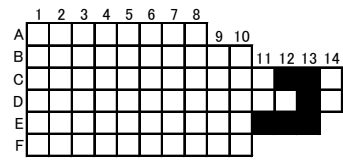
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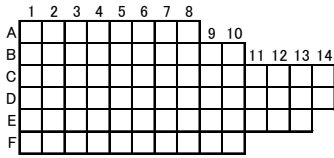
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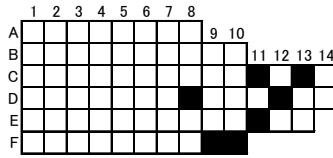
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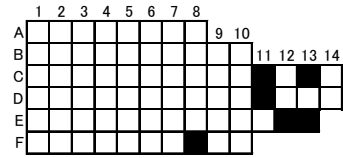
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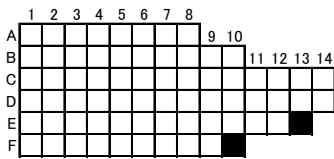
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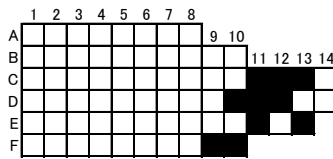
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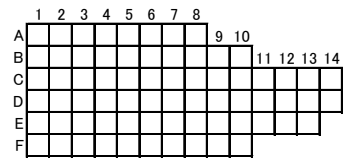
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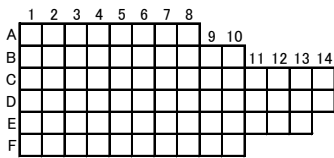
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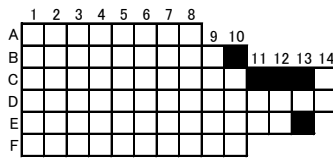
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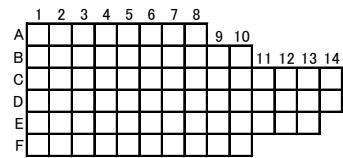
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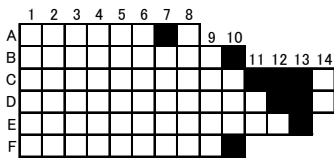
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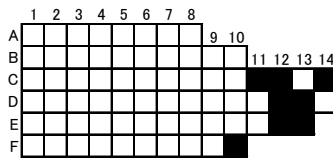
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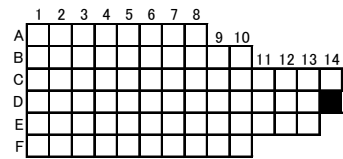
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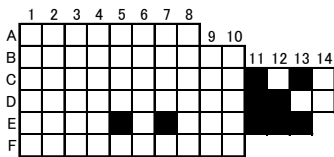
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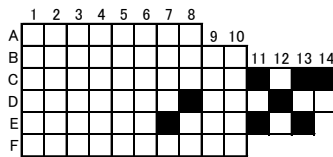
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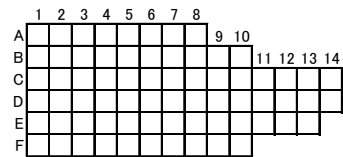
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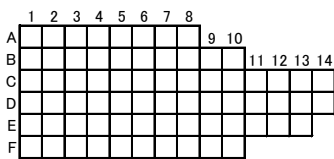
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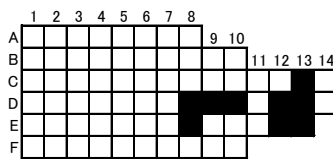
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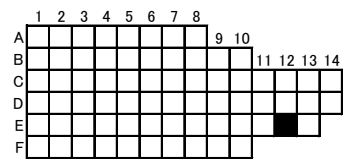
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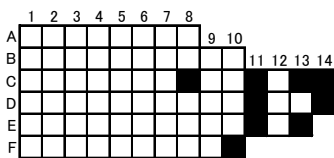
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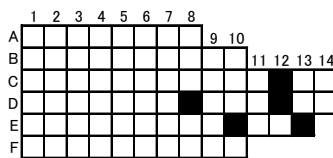
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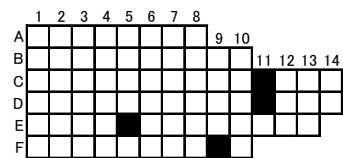
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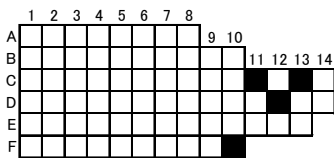
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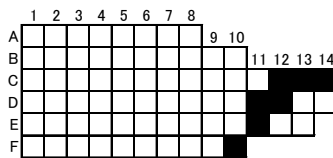
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1993



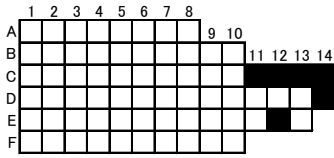
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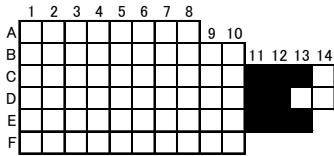
103 *Cypraea gracilis*

メダカラ

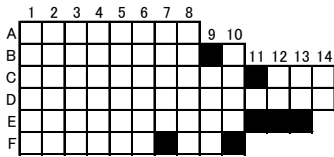
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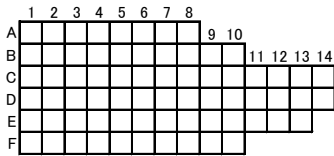
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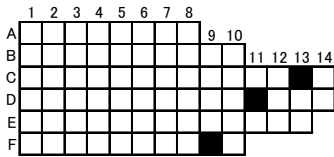
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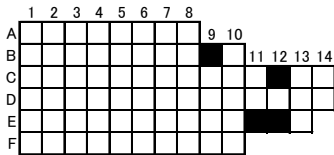
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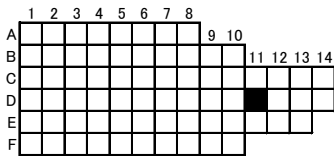
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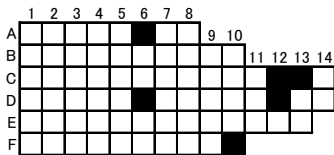
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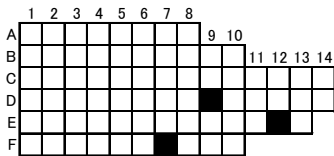
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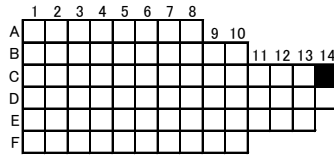
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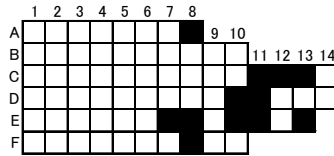
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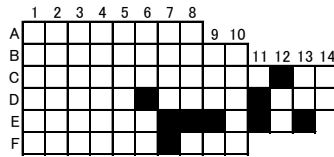
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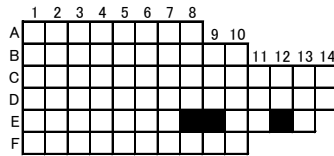
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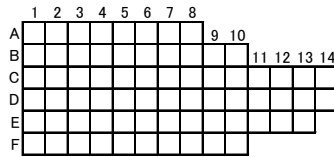
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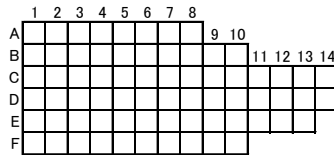
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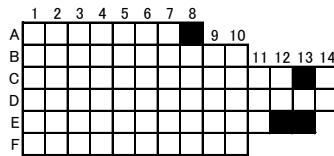
1998



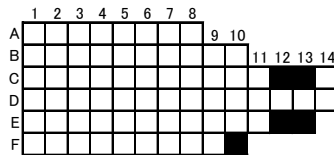
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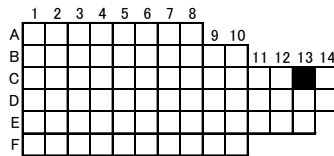
2000



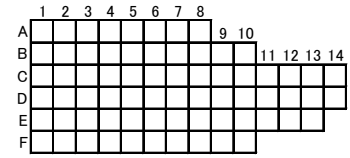
2001



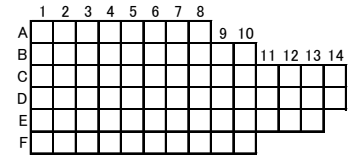
2002



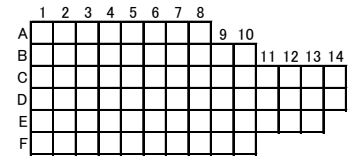
2003



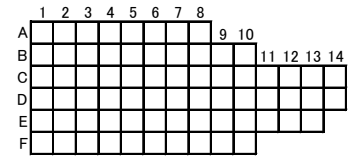
2004



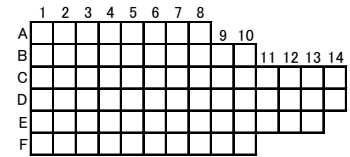
2005



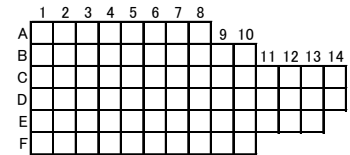
2006



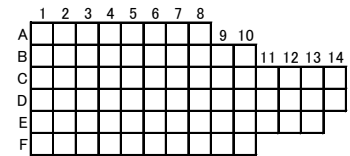
2007



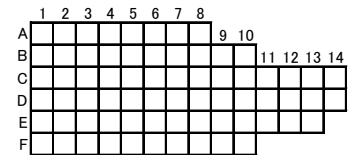
2008



2009

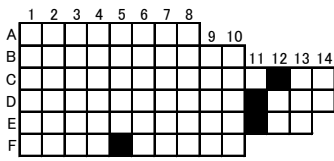


2010

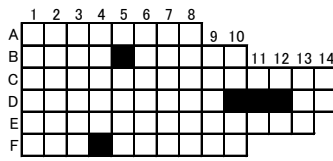


115 *Gyroscaia lamellosa* ネジガイ

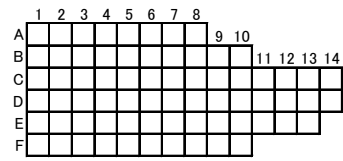
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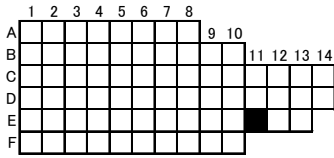
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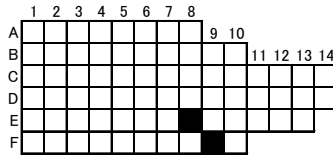
2003



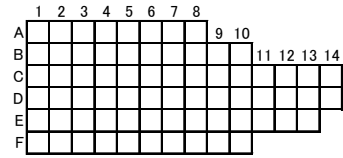
1986



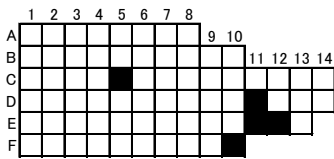
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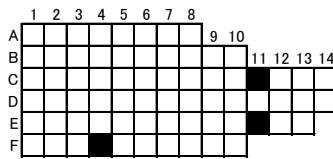
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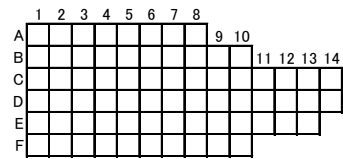
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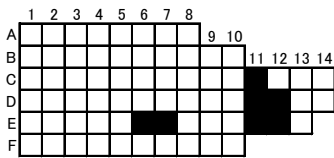
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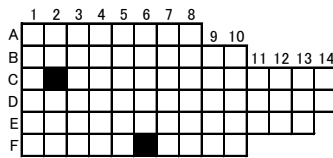
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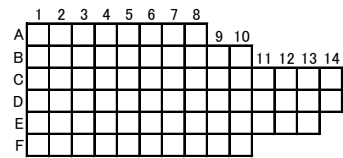
1988



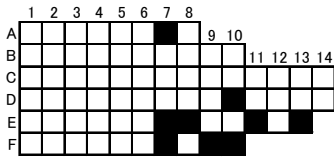
1997



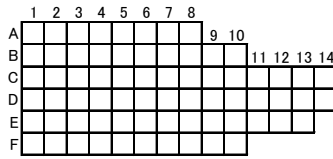
2006



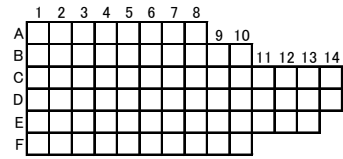
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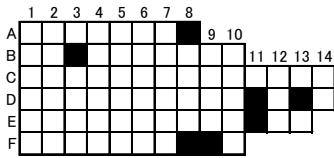
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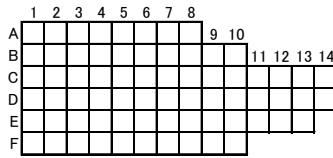
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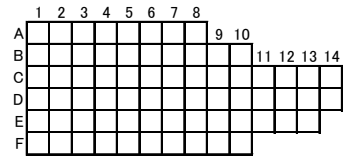
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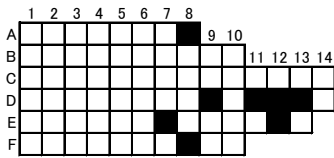
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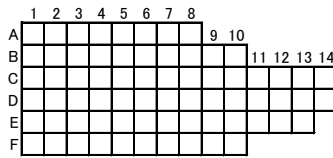
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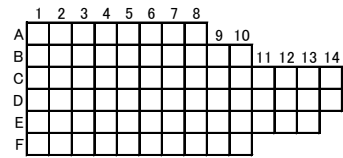
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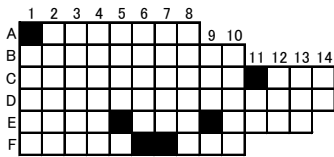
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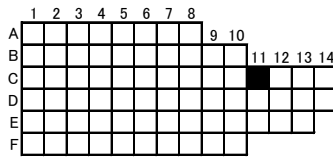
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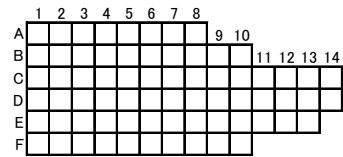
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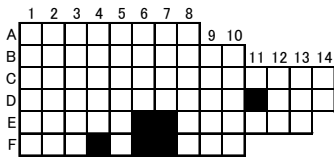
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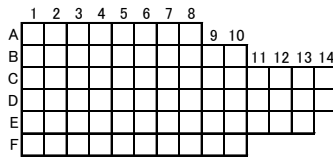
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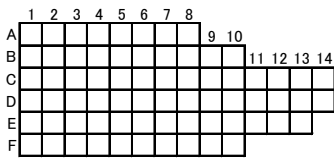
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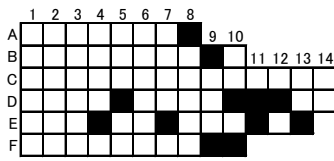
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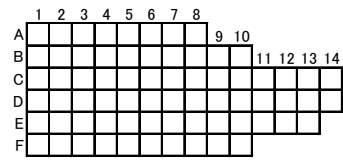
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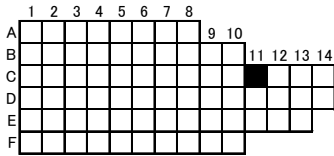
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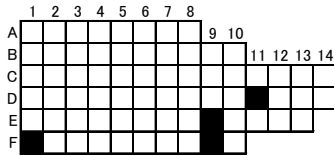
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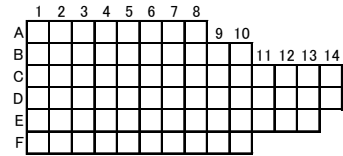
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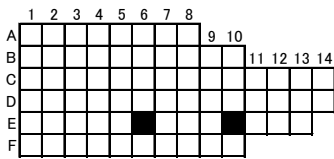
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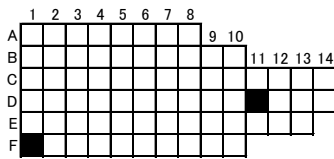
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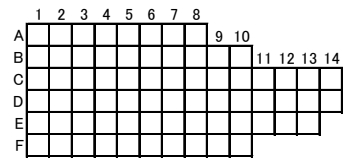
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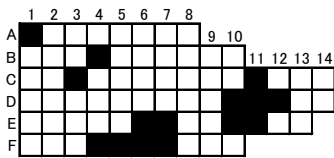
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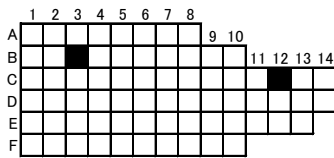
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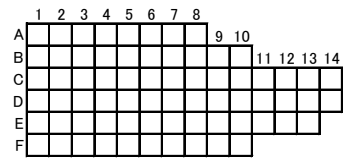
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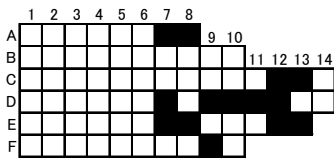
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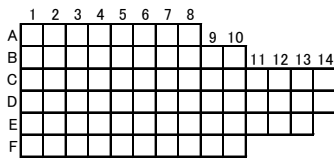
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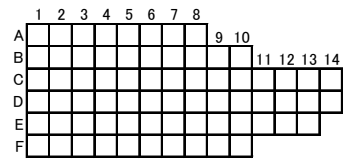
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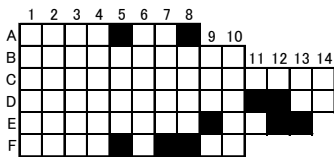
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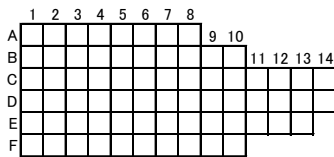
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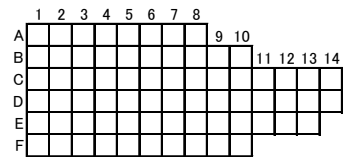
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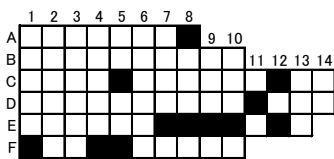
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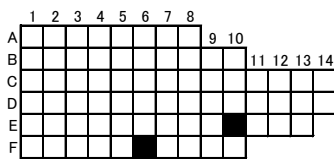
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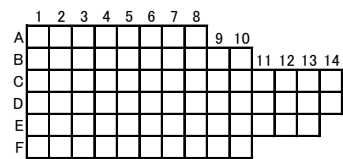
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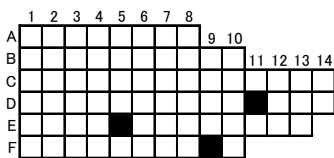
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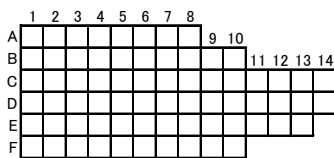
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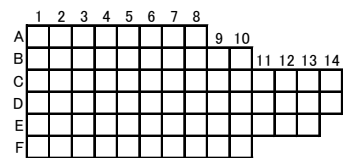
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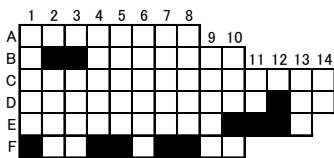
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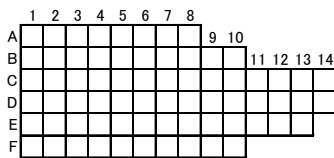
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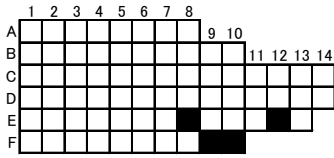
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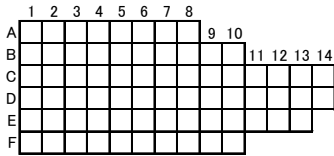
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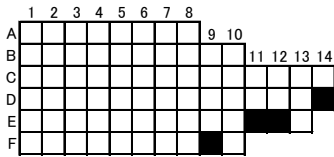
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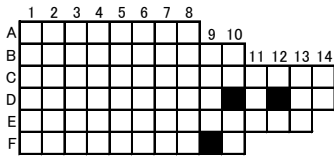
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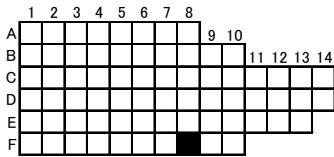
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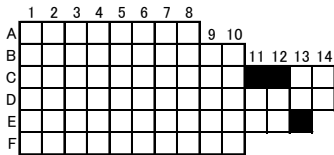
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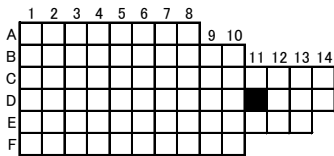
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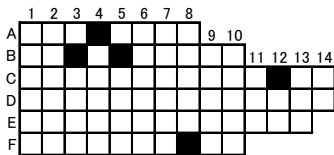
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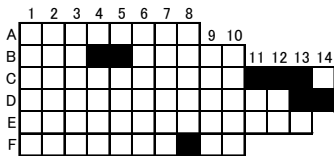
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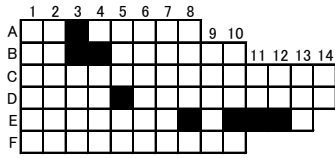
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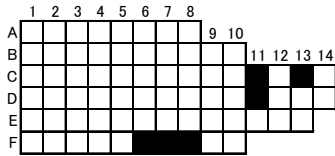
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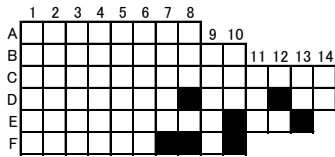
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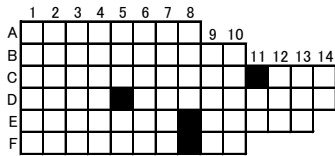
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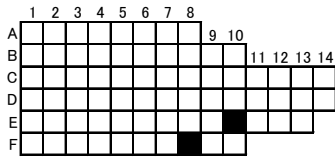
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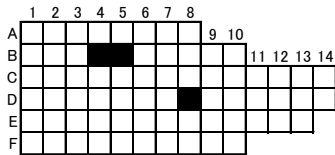
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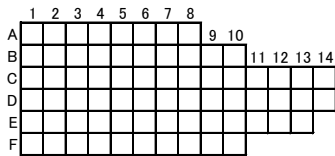
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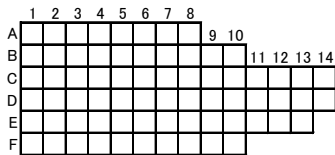
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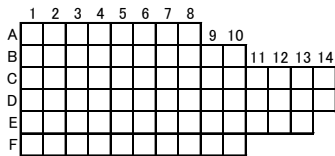
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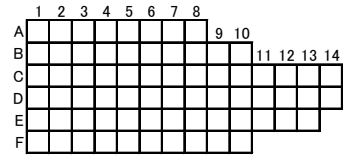
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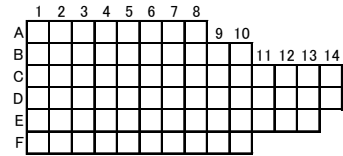
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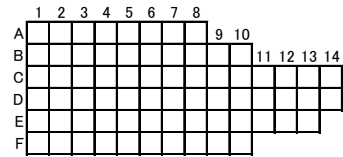
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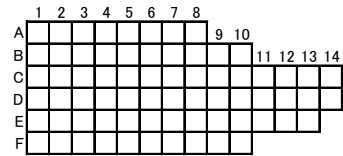
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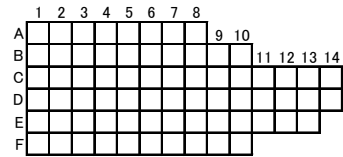
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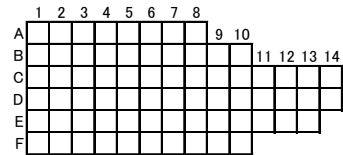
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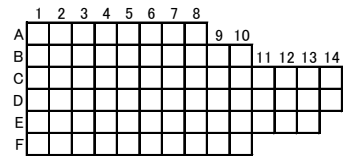
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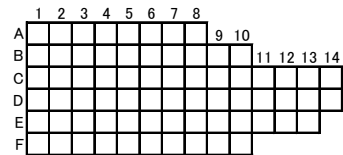
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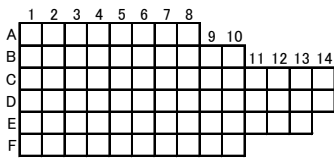
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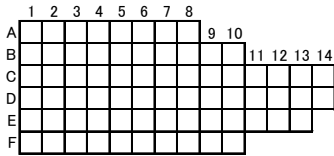
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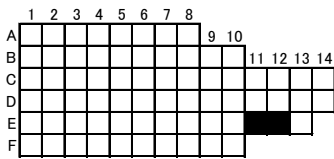
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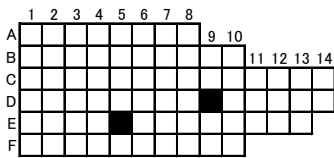
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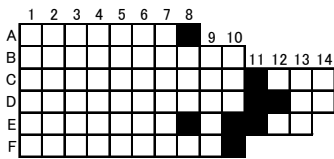
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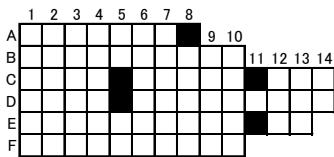
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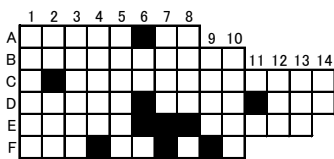
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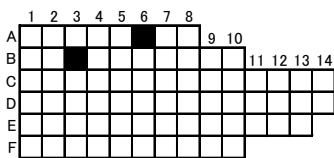
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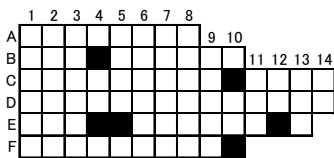
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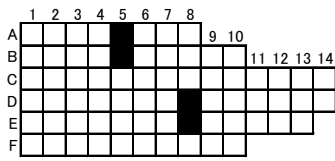
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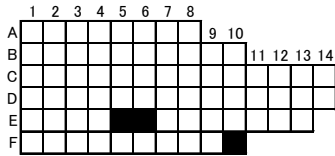
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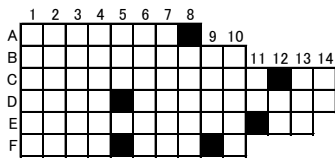
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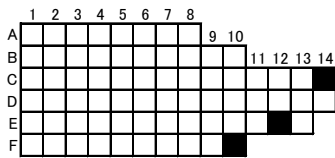
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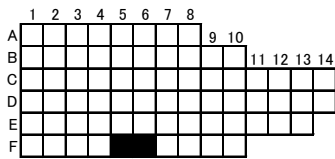
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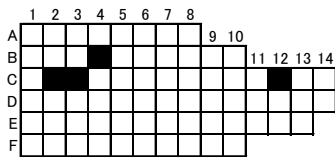
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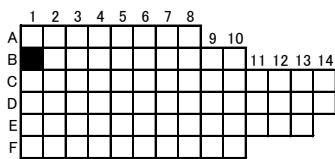
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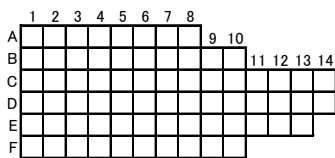
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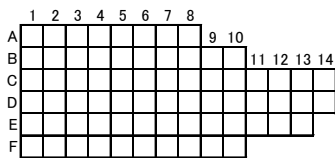
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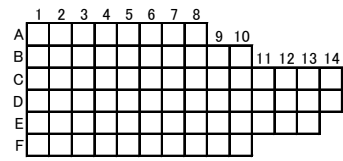
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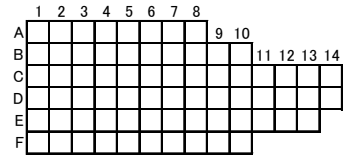
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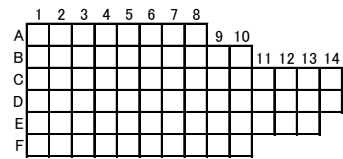
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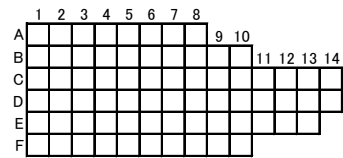
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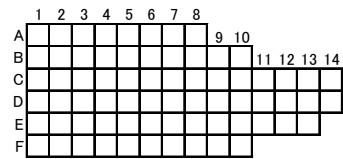
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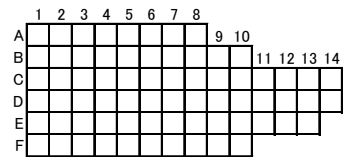
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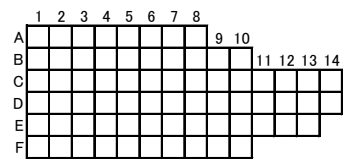
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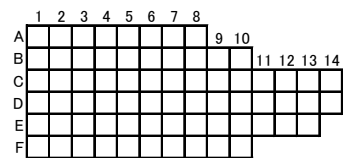
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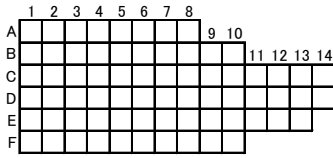
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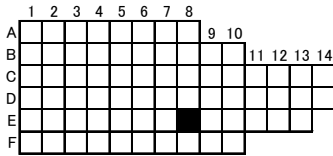
131 *Morula iostoma*

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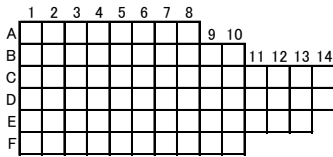
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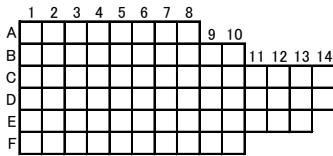
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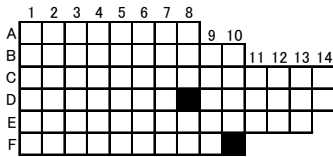
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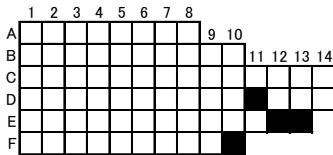
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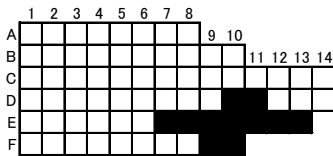
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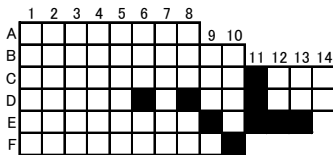
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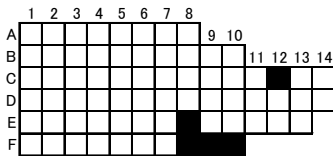
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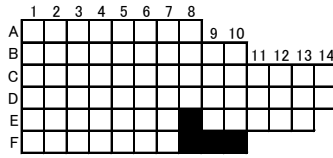
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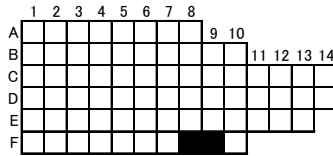
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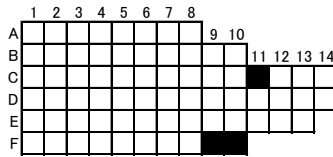
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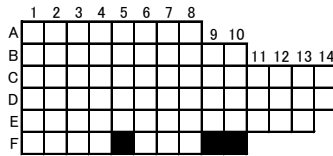
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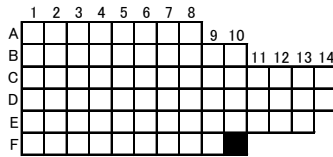
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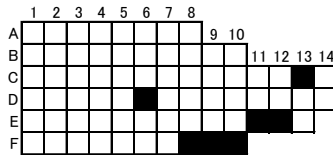
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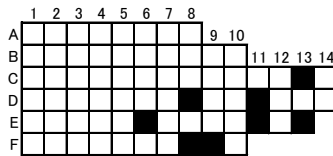
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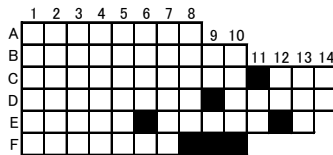
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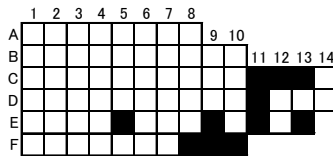
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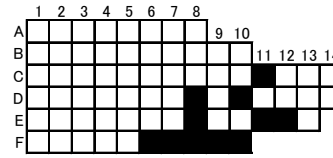
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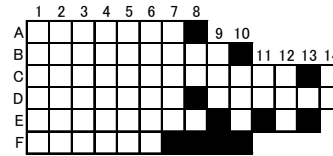
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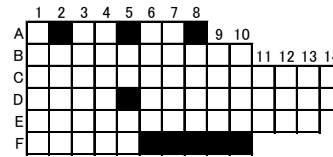
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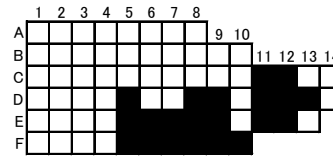
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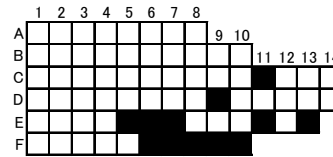
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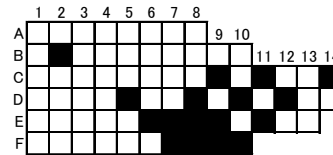
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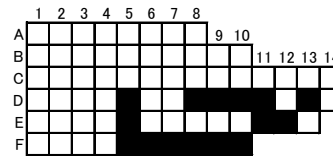
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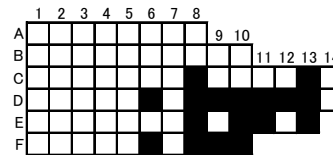
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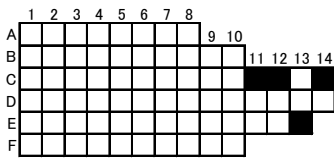
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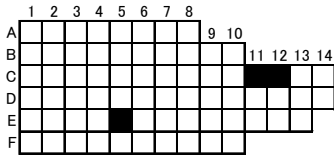
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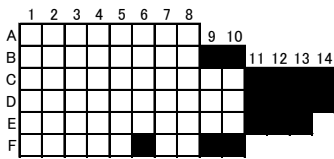
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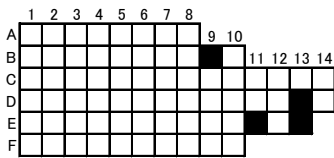
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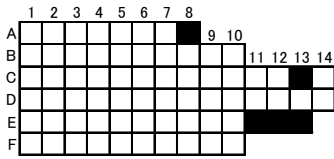
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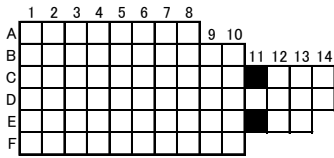
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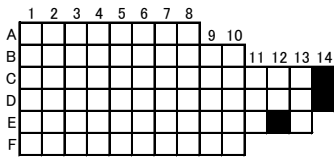
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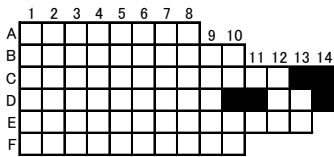
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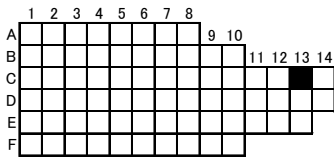
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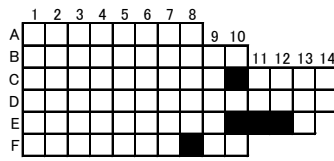
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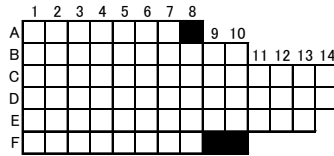
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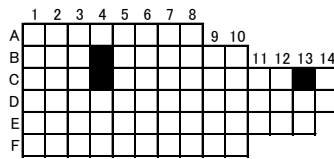
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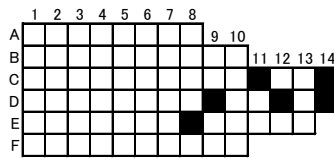
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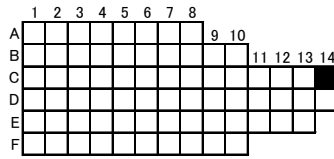
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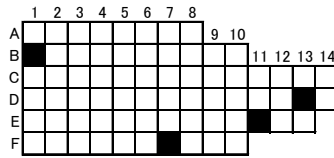
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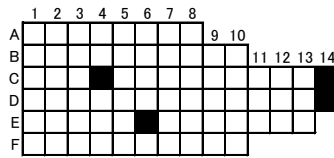
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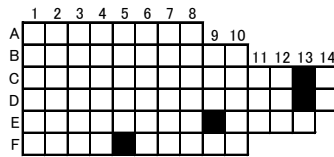
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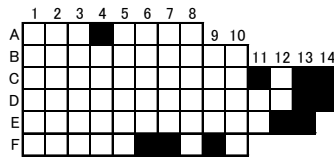
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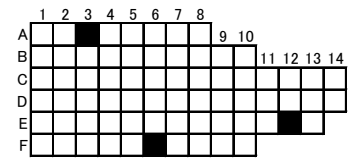
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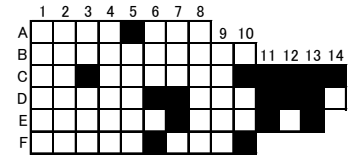
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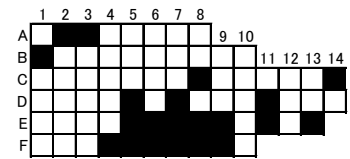
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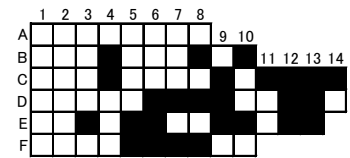
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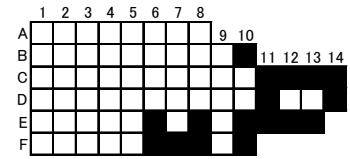
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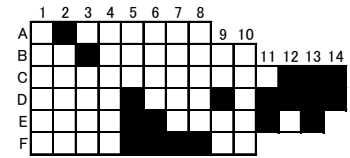
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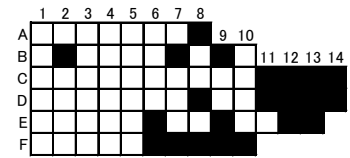
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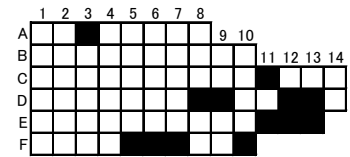
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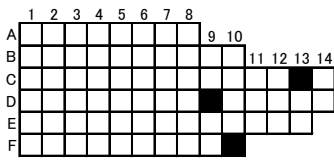


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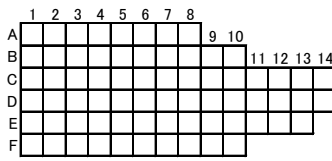


144 *Coralliophila squamosissima* カゴメサンゴヤドリ

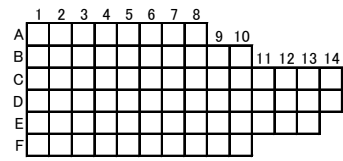
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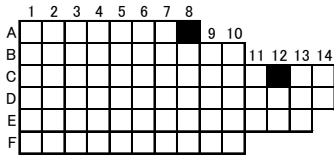
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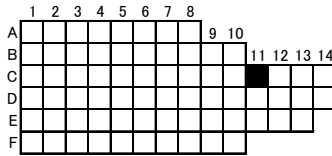
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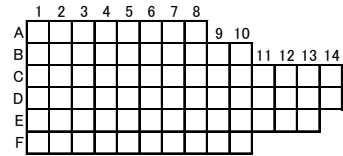
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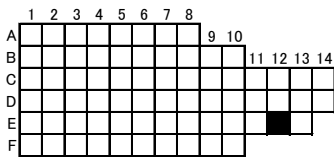
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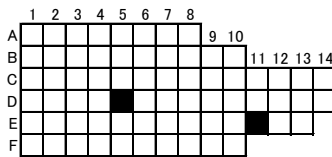
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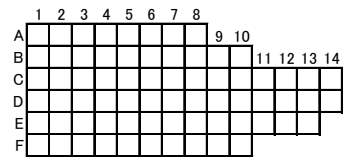
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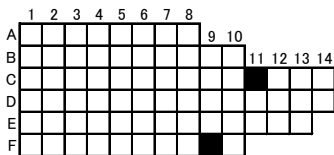
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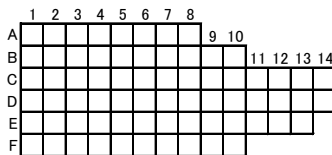
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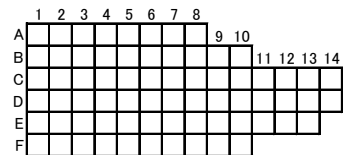
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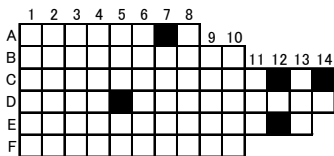
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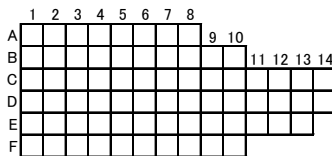
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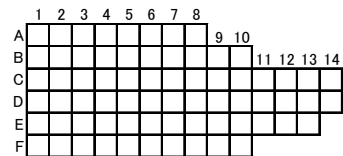
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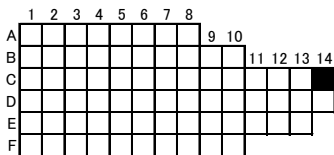
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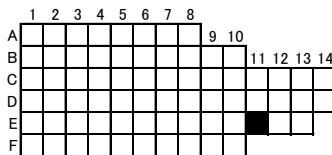
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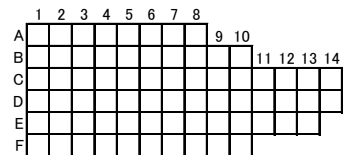
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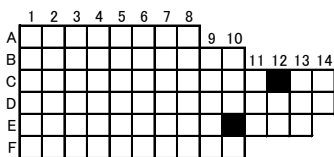
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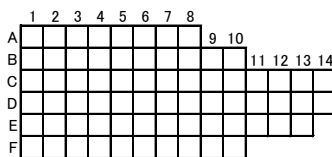
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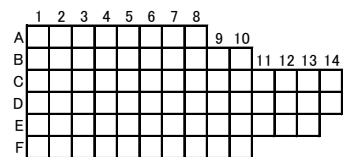
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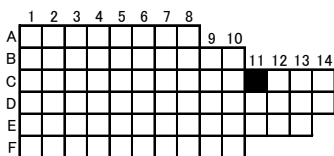
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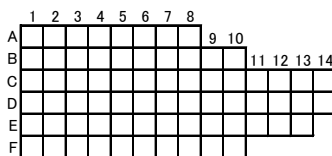
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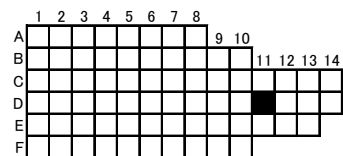
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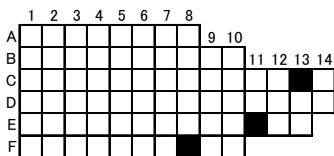
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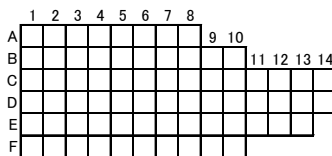
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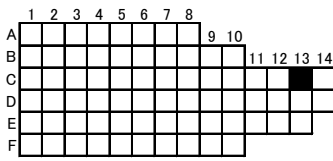
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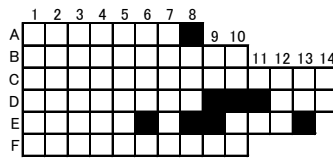
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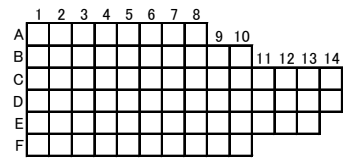
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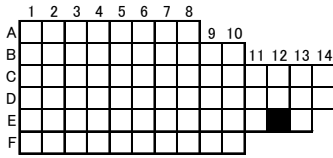
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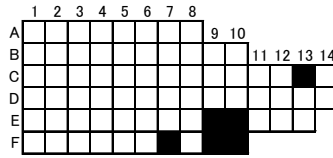
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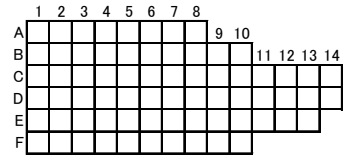
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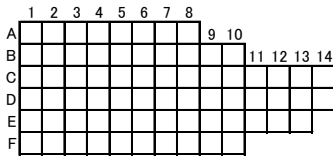
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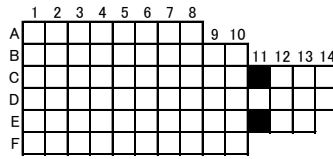
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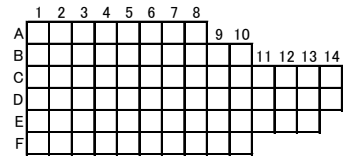
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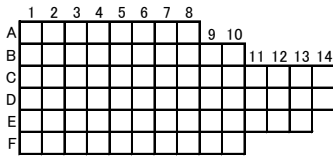
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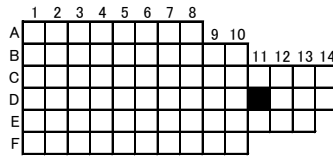
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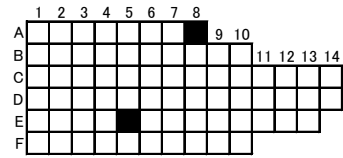
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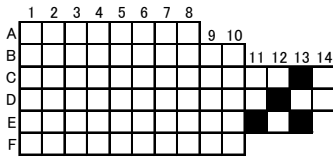
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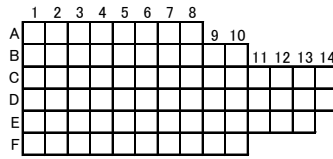
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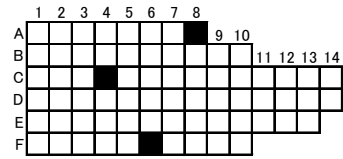
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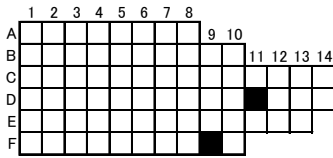
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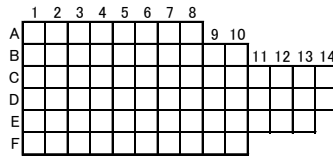
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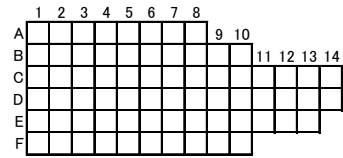
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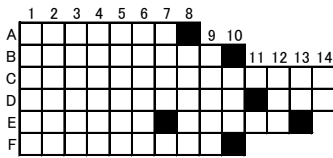
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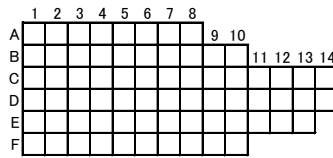
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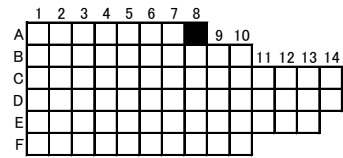
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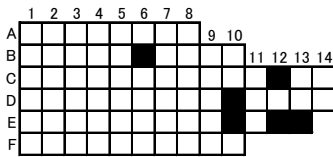
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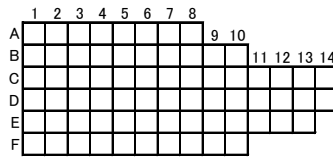
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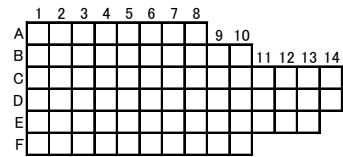
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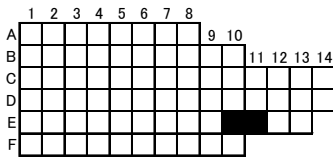
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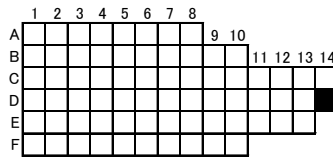
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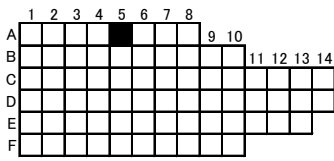


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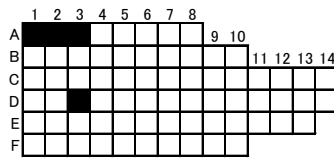


156 *Reticunassa fratercula* クロスジムシロ

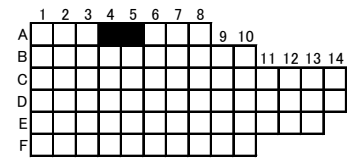
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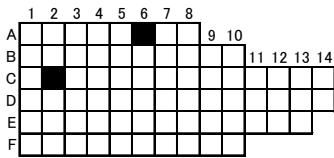
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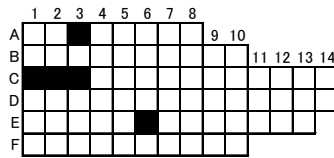
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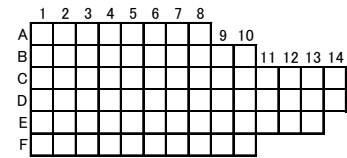
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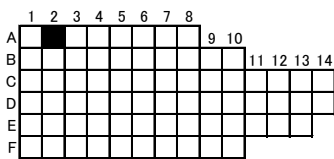
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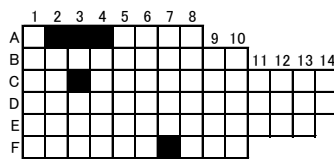
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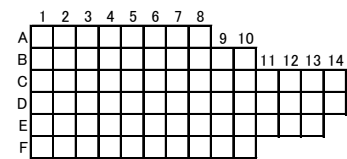
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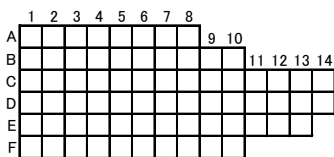
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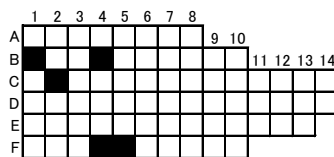
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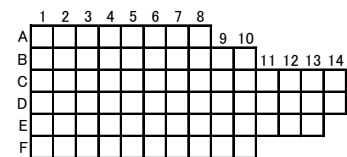
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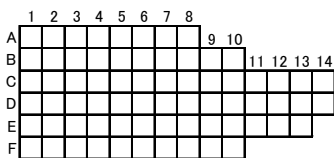
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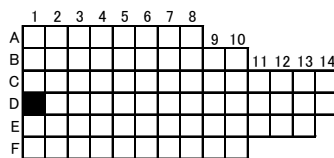
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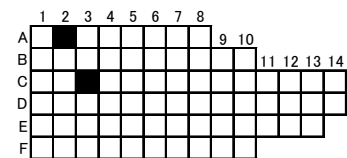
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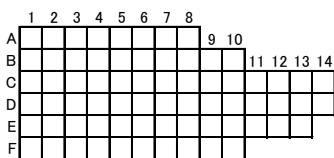
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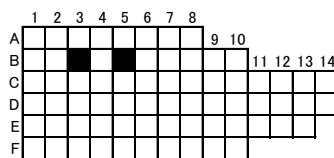
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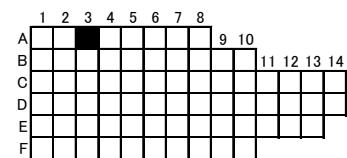
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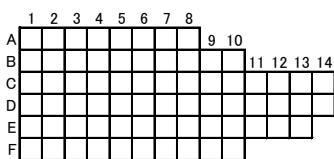
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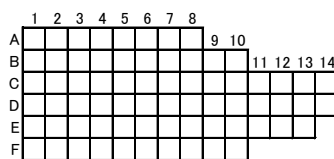
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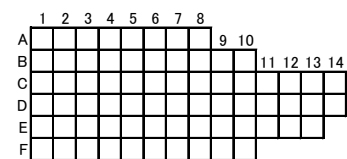
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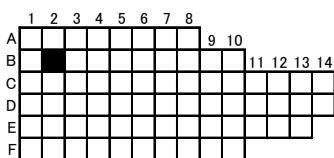
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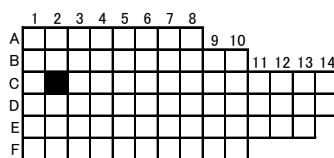
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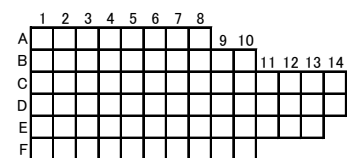
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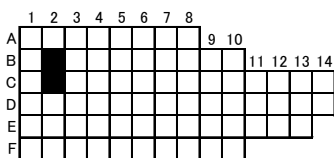
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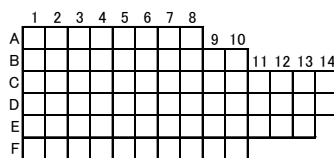
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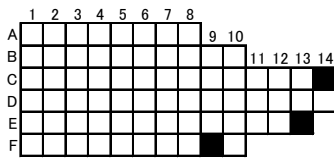
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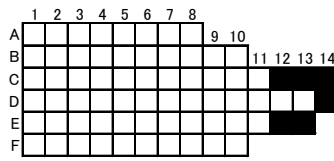
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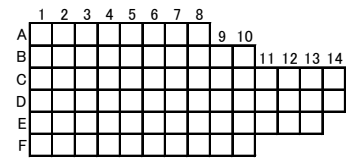
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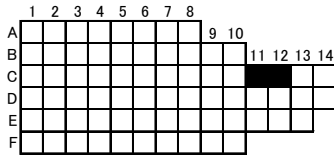
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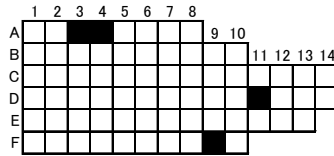
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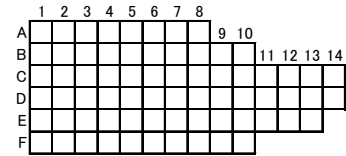
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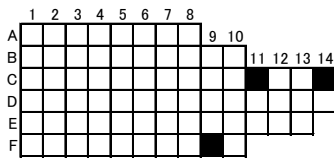
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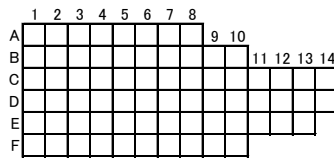
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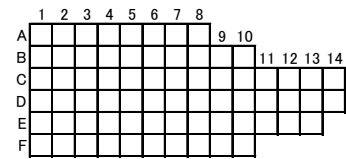
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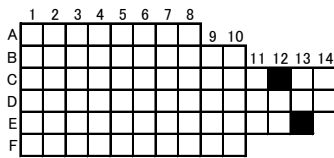
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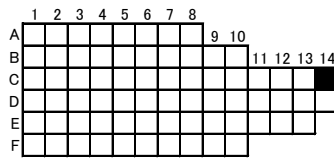
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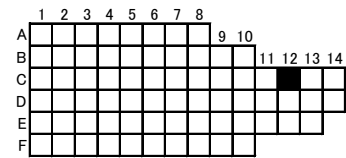
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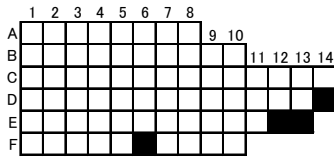
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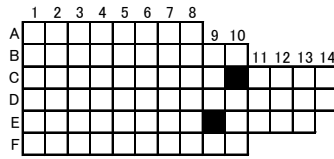
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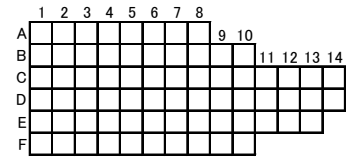
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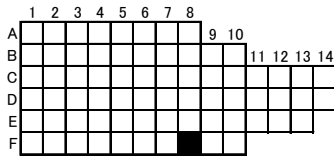
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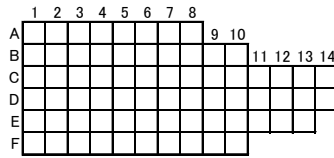
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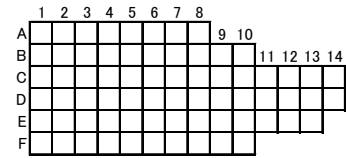
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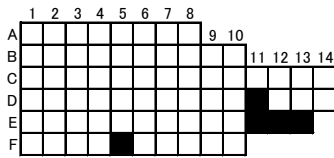
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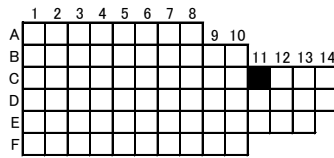
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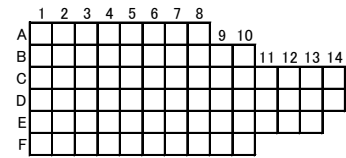
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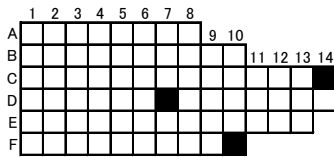
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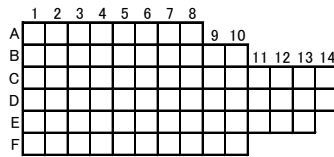
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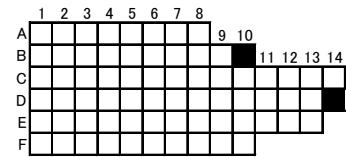
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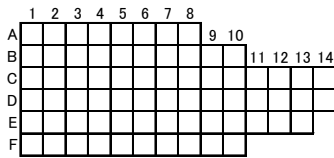
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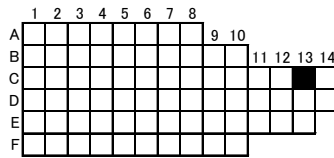
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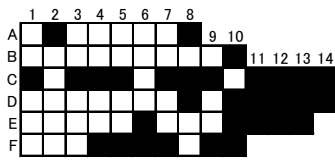
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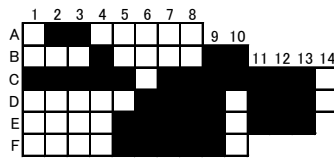
207 *Barbatia virescens*

カリガネエガイ

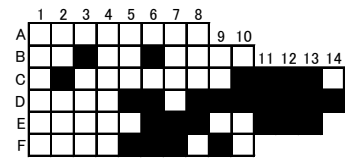
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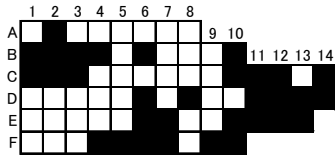
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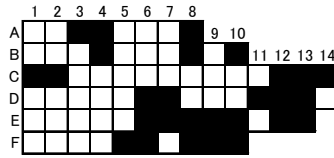
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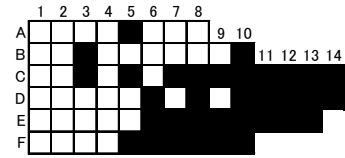
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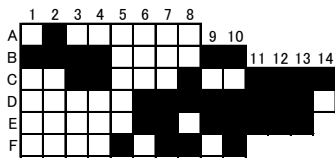
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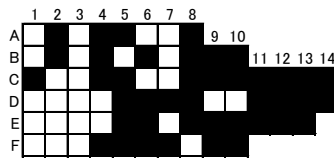
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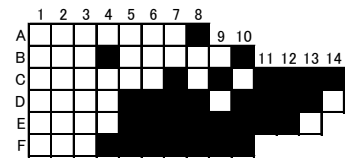
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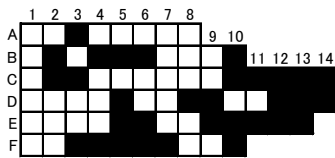
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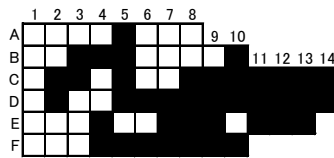
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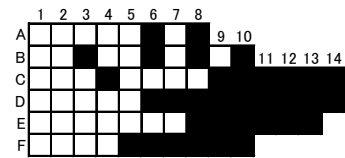
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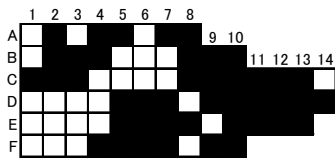
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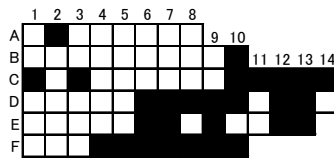
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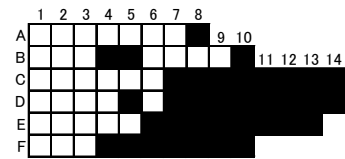
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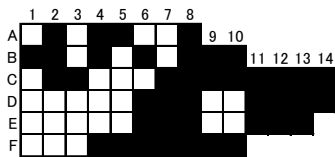
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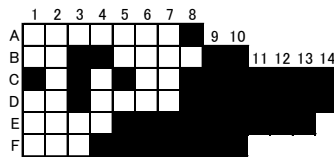
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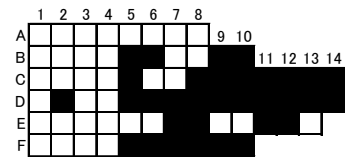
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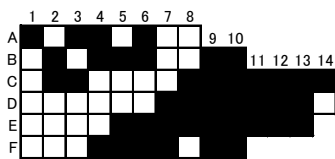
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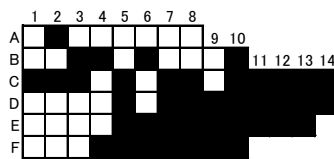
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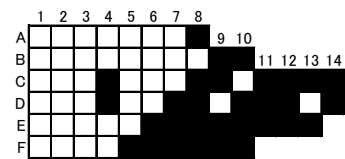
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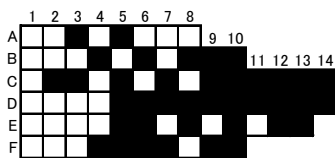
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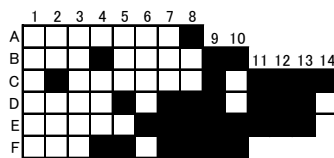
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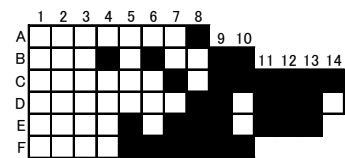
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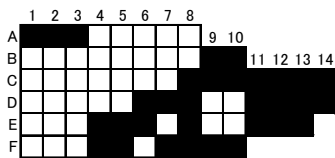
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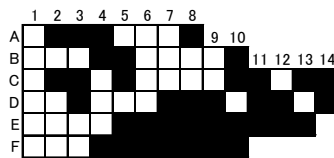
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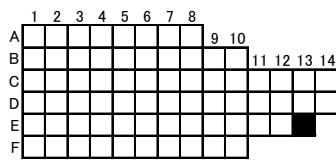


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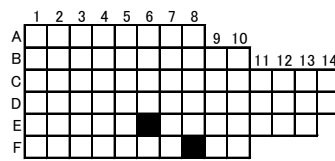


210 *Mytilus galloprovincialis* ムラサキイガイ

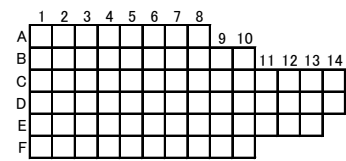
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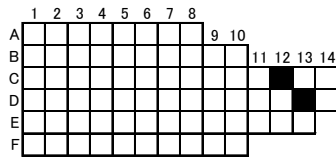
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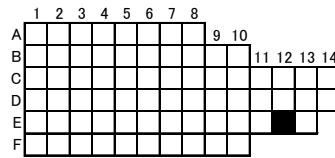
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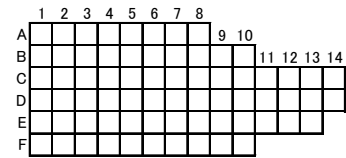
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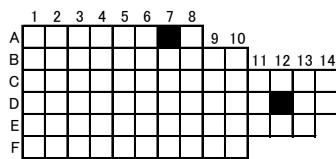
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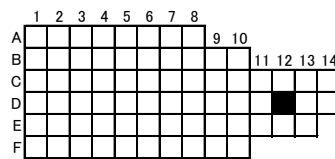
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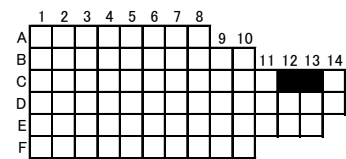
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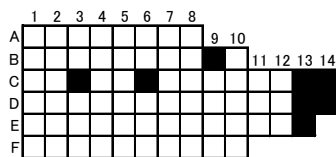
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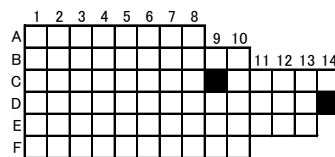
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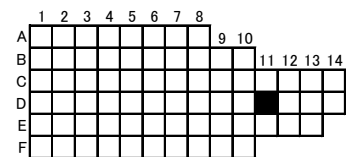
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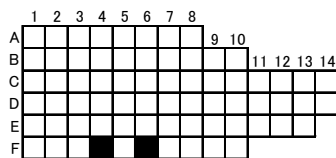
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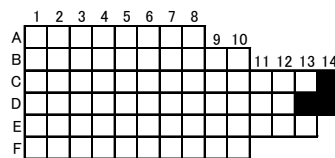
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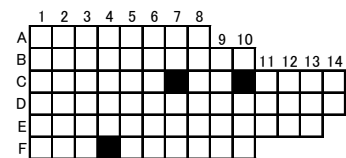
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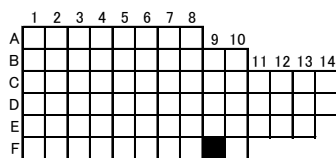
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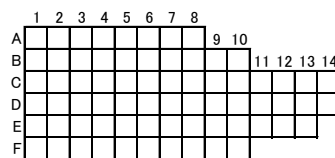
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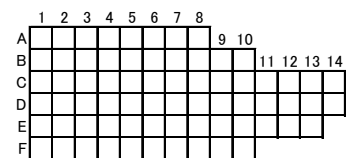
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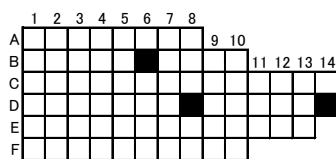
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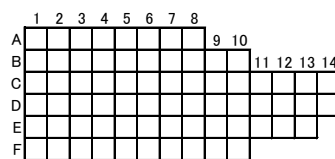
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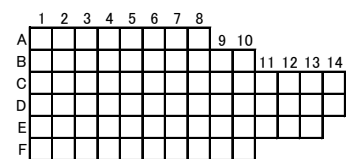
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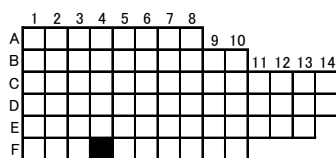
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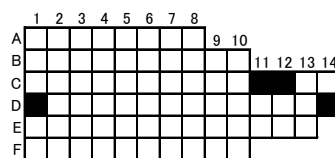
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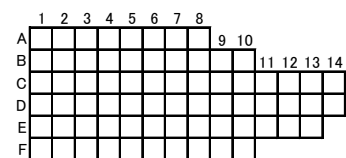
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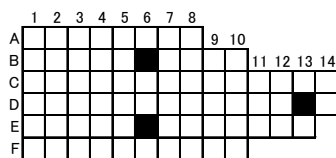
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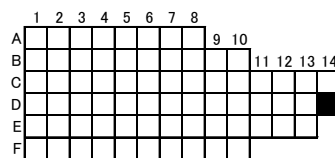
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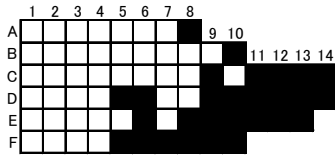
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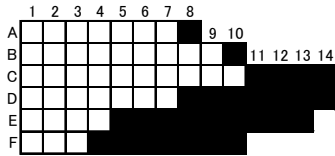
213 *Septifer bilocularis*

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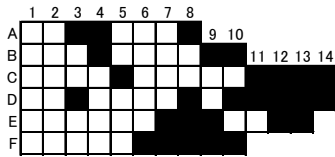
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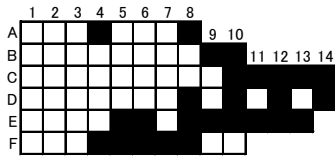
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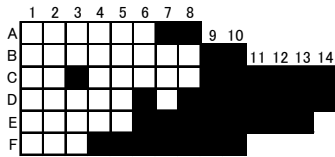
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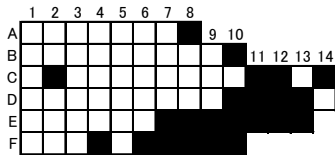
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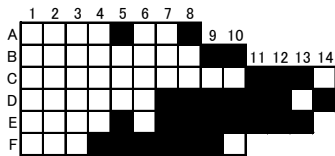
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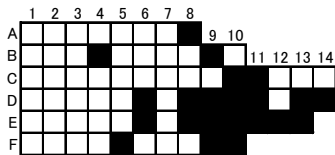
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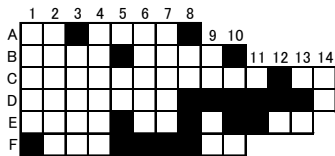
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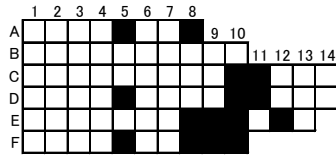
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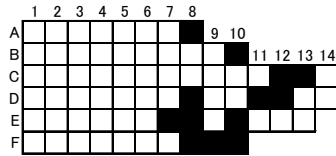
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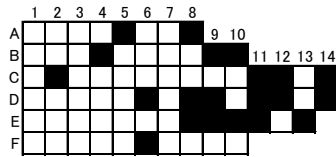
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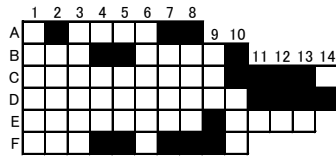
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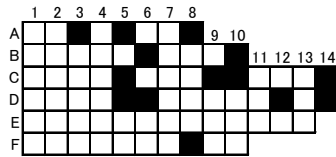
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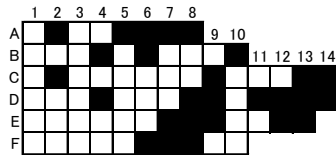
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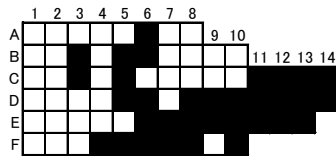
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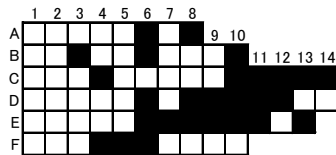
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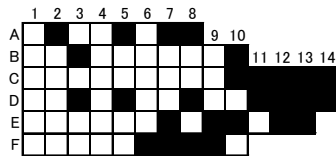
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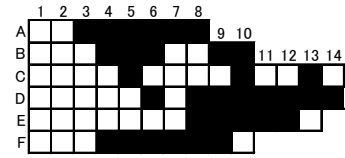
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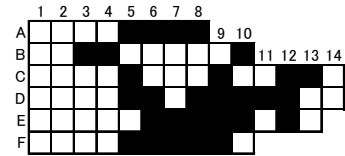
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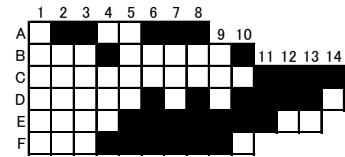
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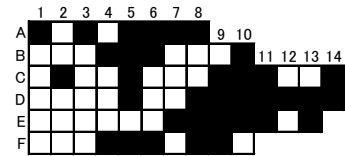
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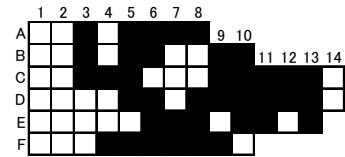
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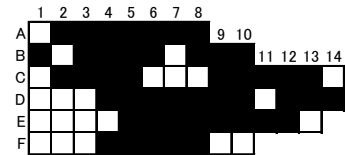
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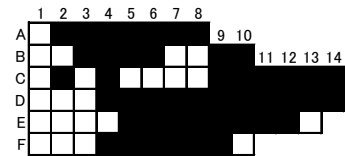
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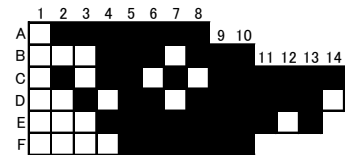
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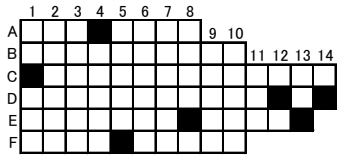


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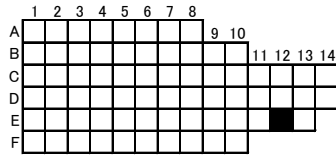


216 *Modiolus nipponicus* ヒバリガイ

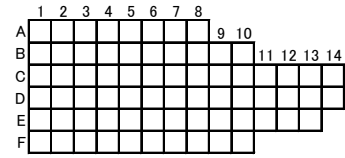
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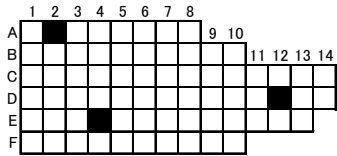
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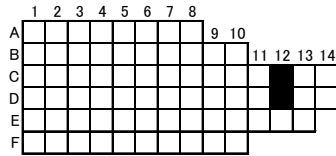
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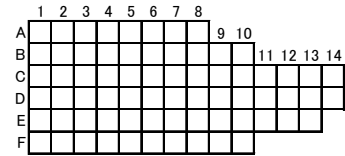
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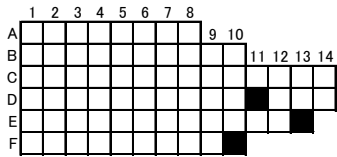
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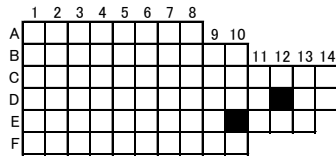
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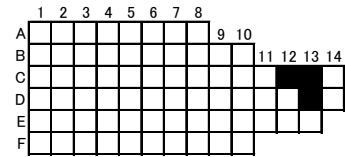
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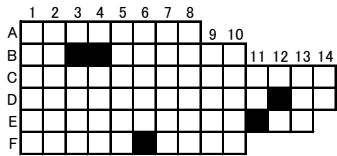
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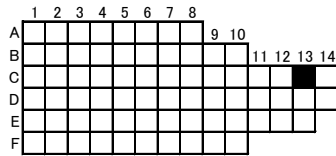
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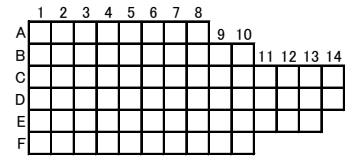
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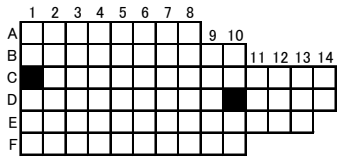
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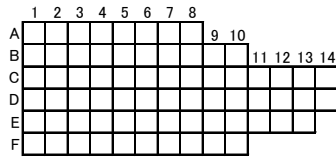
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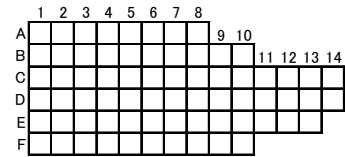
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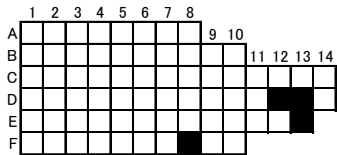
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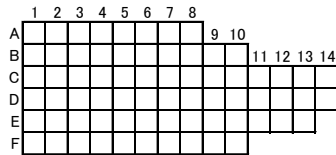
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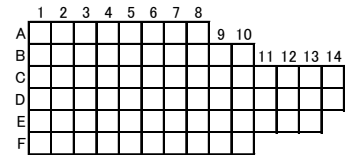
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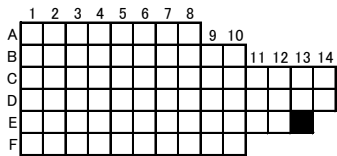
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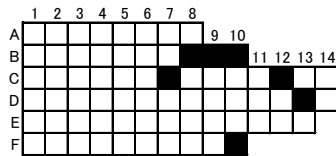
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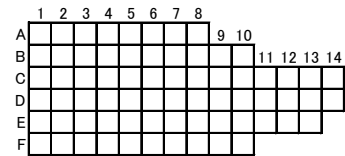
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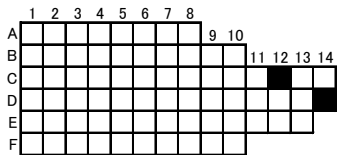
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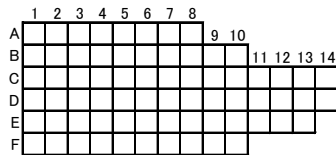
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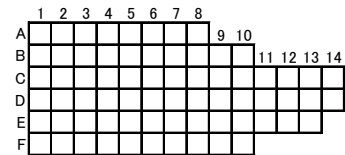
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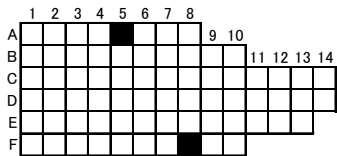
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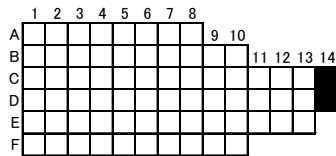
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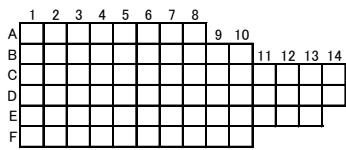
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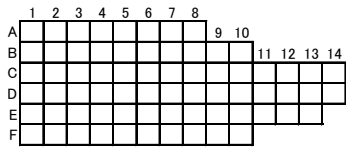
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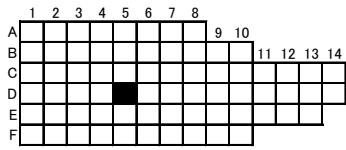
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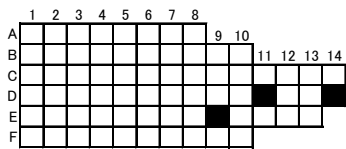
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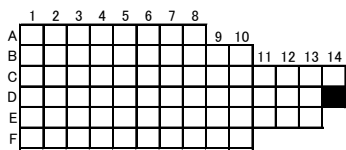
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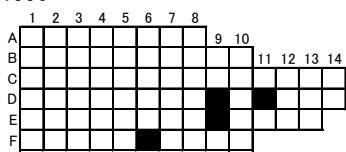
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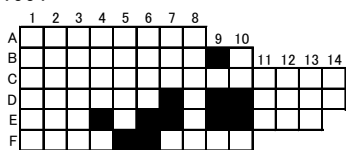
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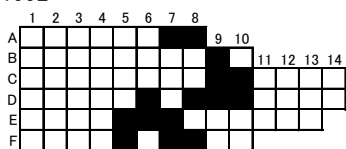
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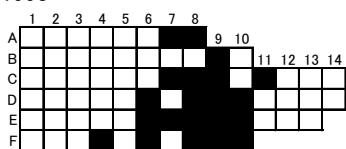
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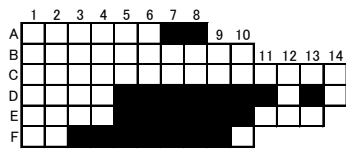
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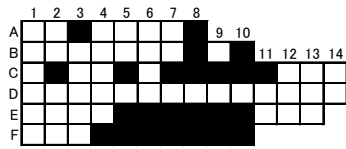
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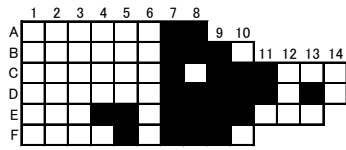
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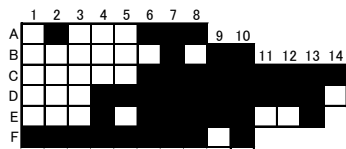
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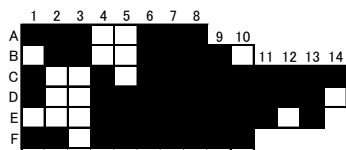
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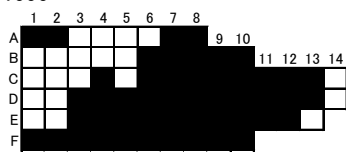
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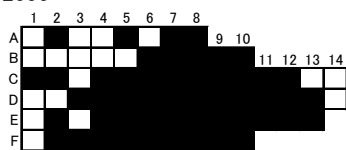
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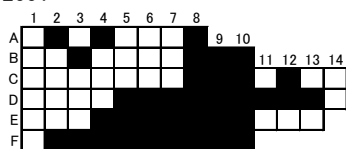
1999



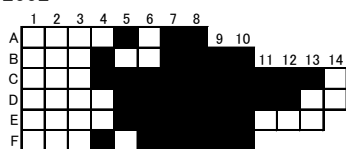
2000



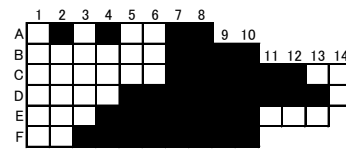
2001



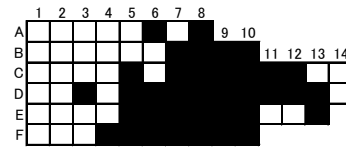
2002



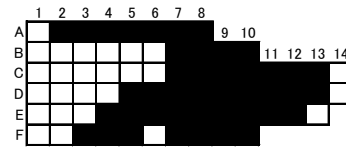
2003



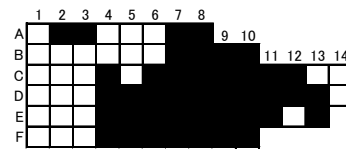
2004



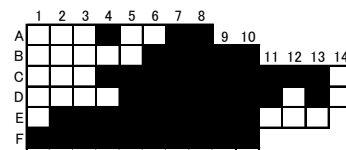
2005



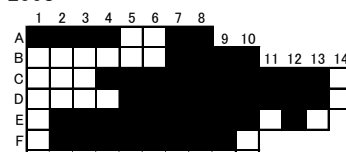
2006



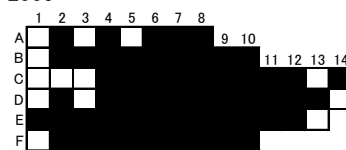
2007



2008



2009



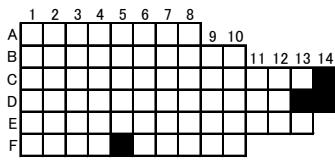
2010



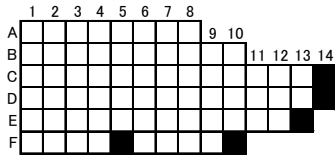
234 *Chama japonica*

キクザル

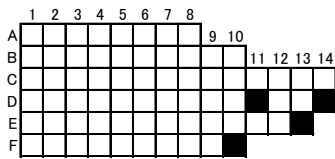
1985



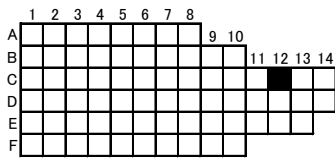
1986



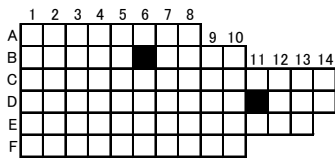
1987



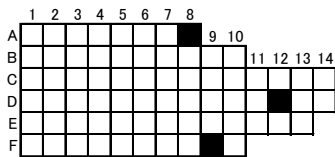
1988



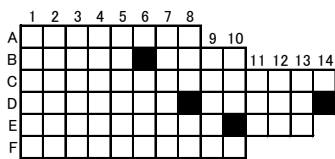
1989



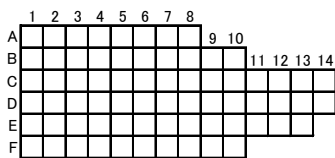
1990



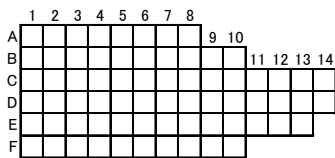
1991



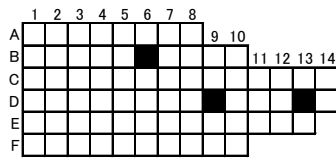
1992



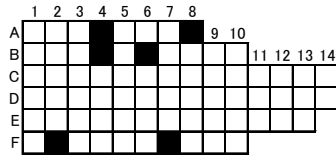
1993



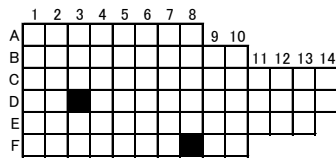
1994



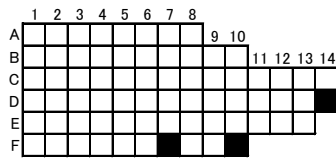
1995



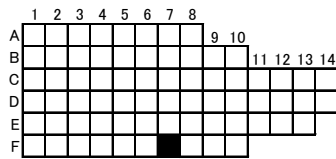
1996



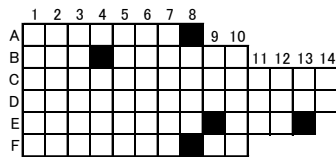
1997



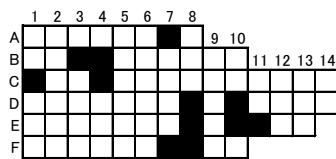
1998



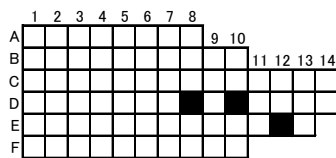
1999



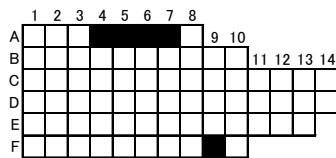
2000



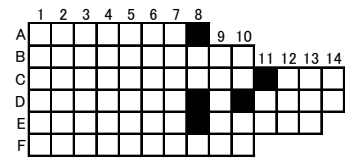
2001



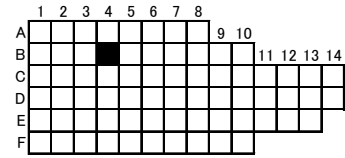
2002



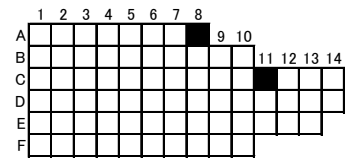
2003



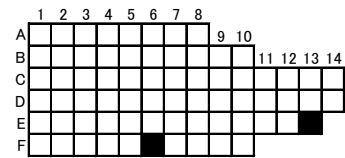
2004



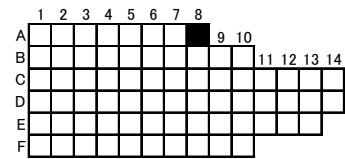
2005



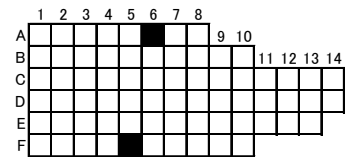
2006



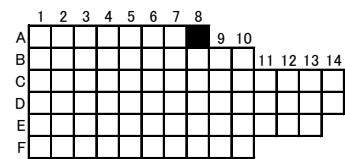
2007



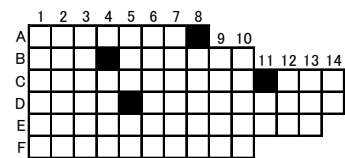
2008



2009



2010



5-2. Cumulative distribution patterns of the 242 species

Figure 3.

Distribution of all of the species recorded in the study area during the 25-year period (1985 to 2010). The cumulative number of years when each species was present is shown for each quadrat. A numeral attached to a species name corresponds to the species code in the List of recorded species (Section 2).

1 *Ischnochiton boninensis*
ホソウスヒザラガイ

A			1						9	10					
B												11	12	13	14
C		2		1											
D					1										
E															
F															

2 *Ischnochiton comptus*
ウスヒザラガイ

A			8	7	8	4	5	10	9	10					
B	4	6	3	5	3				1	1	11	12	13	14	
C	4	4	5	9					1	3	2	5	4		
D	1				1	2		1	2		1	3	1	1	
E						2	1			2	4	8	6		
F				3	8	13	5	5	6	3					

3 *Placiphorella stimpsoni*
ババガセ

A								1	9	10					
B									1	11	12	13	14		
C									2	1	2	4	4		
D									2	1	1	2	3		
E									1		4	3			
F					3	1	1	1	4	4					

4 *Acanthopleura japonica*
ヒザラガイ

A	10	26	19	17	21	23	24	24	9	10					
B	8	16	24	23	16	18	16	25	26	26	11	12	13	14	
C	10	12	17	12	17	9	24	21	25	25	22	24	21	8	
D	3	5	9	20	21	26	25	25	26	26	26	25	24	9	
E				21	26	26	25	26	25	24	25	19	16		
F	1	3	13	26	26	26	26	25	24	23					

5 *Acanthopleura loochooana*
リュウキュウヒザラガイ

A	1	1	2	3	3	6	6	18	9	10					
B	2	2	3	7	3	7	8	19	16	11	11	12	13	14	
C	1		2	2	6	4	13	16	17	16	8	12	5	5	
D		1	4	3	7	14	14	15	16	18	15	12	12	3	
E				3	15	13	15	13	14	13	14	5	4		
F			1	11	6	7	12	11	9	10					

6 *Onithochiton hirasei*
ニシキヒザラガイ

A			1			1		1	7	9	10				
B								1	3	7	11	12	13	14	
C				1					1	17	10	15	18		
D					2		1		1	1	9	13	14	20	
E							1	2	2	5	12	13	17		
F					1	2	2	3	9	16					

7 *Acanthochitona achates*
ヒメケハダヒザラガイ

A	3	8	7	5	8	4	8	25	9	10					
B	3	7	10	9	7	9	2	13	22	23	11	12	13	14	
C	1	2	3	3	5	2	10	19	24	19	23	20	23	21	
D			1	1	11	15	15	20	24	23	24	23	24	21	
E				1	19	19	22	19	25	24	24	23	19		
F			1	13	16	23	19	16	19	23					

8 *Acanthochitona dissimilis*
ビロウドヒザラガイ

A							1	1	1	9	10				
B							1			2	11	12	13	14	
C										1	11	3	8	4	
D							1			2	6	3	9	9	
E			1				2	3	5	1	6	7	6		
F						1	1		2	3					

9 *Cryptoplax japonica*
ケムシヒザラガイ

A								1		9	10				
B												11	12	13	14
C															
D															
E															
F							1								

10 *Scutellastra flexuosa*
ツタノハ

A								2	10	9	10				
B			1			2	1	1	8	13	11	12	13	14	
C					1		2	3	7	8	15	14	16	18	
D						1	4	6	9	7	18	14	15	18	
E	1			1	1	5	7	8	12	13	12	14	15		
F				2	1	6	4	8	11	13					

11 *Cellana grata*

ベッコウガサ

	1	2	3	4	5	6	7	8
A	1	1		1	1	2	5	19
B	1		1	1	1	3	3	10
C		2		1	2	4	10	11
D				2	8	11	8	5
E				8	1	8	9	8
F	1	2	3	11	5		2	3

12 *Cellana nigrolineata*

マツバガイ

	1	2	3	4	5	6	7	8
A	18	25	23	15	19	19	15	15
B	20	22	21	23	20	19	11	21
C	19	15	19	19	20	10	20	24
D	7	10	11	14	26	23	25	21
E	1	1	3	22	25	22	25	16
F	13	10	17	24	17	4	14	5

13 *Cellana toreuma*

ヨメガカサ

	1	2	3	4	5	6	7	8
A	16	20	22	21	26	25	23	26
B	16	24	25	26	22	24	16	25
C	16	20	20	18	20	9	23	23
D	2	16	21	15	25	25	26	26
E			2	12	24	26	26	24
F	7	2	7	25	25	25	24	26

14 *Patelloida pygmaea heroldi*

ヒメコザラ

	1	2	3	4	5	6	7	8
A	13	15	20	13	14	12	13	9
B	15	17	16	17	15	8	13	15
C	17	22	21	17	15	12	17	14
D	13	15	16	17	17	10	8	12
E			2	15	16	11	14	11
F	10	7	6	14	9	13	12	6

15 *Patelloida saccharina lanx*

ウノアシ

	1	2	3	4	5	6	7	8
A	21	26	26	25	23	26	25	26
B	14	21	25	25	22	25	26	26
C	17	20	23	24	22	23	26	26
D	17	23	25	23	24	25	25	25
E	9	12	20	25	26	26	26	26
F	21	22	24	24	25	24	25	26

16 *Lottia langfordi*

キクコザラ

	1	2	3	4	5	6	7	8
A					1	1	1	9
B	1					1	1	6
C		1		1	1		1	2
D			1	1		2	4	5
E						4	4	5
F			1	1	2	3	6	7

17 *Lottia kogamogai*

コガモガイ

	1	2	3	4	5	6	7	8
A	10	20	18	10	10	10	23	24
B	10	14	15	14	14	9	16	22
C	10	14	12	11	13	16	24	23
D	9	9	16	12	18	21	22	20
E	3	4	7	23	23	24	24	23
F	9	15	17	24	22	16	18	19

18 *Lottia tenuisculpta*

コモレビコガモガイ

	1	2	3	4	5	6	7	8
A	2	2	3	1	1	2	1	5
B		1	3	2			1	3
C				1		3	2	4
D			2	3	3	3	3	2
E			1	3	2	4	5	5
F		1	1	3	5	3	2	4

19 *Lottia lindbergi*

オボロツキコガモガイ

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E							4	1
F							1	

20 *Nipponacmea fuscoviridis*

クサイロアオガイ

	1	2	3	4	5	6	7	8
A	11	15	14	3	6	4	4	9
B	10	7	12	7	4		2	5
C	9	9	15	7	11	2	7	8
D	6	5	4	5	12	19	14	11
E		1	2	9	16	23	18	11
F	4	1	7	16	12	5	3	1

21 *Nipponacmea gloriosa*
サクラアオガイ

	1	2	3	4	5	6	7	8						
A			2		2		1	4	9	10				
B	1	3	2							1	11	12	13	14
C	2	4	1	1					1	4				
D				2	1			1		2				2
E				3	1	1	2		2	5	3	3		
F			1	5	4	2	8	6	3					

26 *Haliotis varia*
イボアナゴ

	1	2	3	4	5	6	7	8						
A							1	4	9	10				
B									6	7	11	12	13	14
C									1	1	14	11	13	20
D	1						1				4	5	10	17
E	1								2	3	15	14	19	
F	1			1	1		1	3	4	9				

22 *Nipponacmea nigrans*
ケモリアオガイ

	1	2	3	4	5	6	7	8						
A	6	6	7	3	1		3	2	9	10				
B	13	11	9	4	3	1					11	12	13	14
C	13	11	14	2	6									
D	5	3	1	2	7	3	1		1					
E	1			2	1	1						1		
F	1			2	1									

27 *Tugali decussata*
シロスソカケガイ

	1	2	3	4	5	6	7	8						
A				1					9	10				
B								1	1	1	11	12	13	14
C											8	11	12	5
D									1	1	3	9	9	7
E			1					1	2	2	8	7	12	
F												4		

23 *Nipponacmea schrenckii*
アオガイ

	1	2	3	4	5	6	7	8						
A	1	2	4	3		1		1	9	10				
B	5	7	5	2	1			1			11	12	13	14
C	5	5	6	2	3	1		2					1	
D			1	1	2	2		1	1				1	
E	1		1		3	2	3	3						
F	2	1		1	4	5	3	2	1					

28 *Montfortula picta*
スソカケガイ

	1	2	3	4	5	6	7	8						
A	2	1	2	1	2	7	6	24	9	10				
B	1	1	1	9	4	1	2	10	19	25	11	12	13	14
C	3		2	3	3		8	13	18	23	19	22	9	3
D			2	1	12	10	13	16	21	20	25	24	10	1
E				1	6	9	12	19	22	24	18	16	9	
F	1		1	6	15	18	17	17	18	14				

24 *Haliotis discus discus*
クロアワビ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														1
E														
F														

29 *Macroschisma dilatatum*
ヒラスカシガイ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C		1									4	2	4	5
D								1	1	1	4	1	1	2
E								3	4	1	8	6	5	
F			1		4	6	2	2	4	6				

25 *Haliotis diversicolor aquatilis*
トコブシ

	1	2	3	4	5	6	7	8						
A							1		9	10				
B											11	12	13	14
C											1	1	3	
D														1
E											2	1		
F				1	1		1							

30 *Macroschisma sinense*
スカシガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														1
D											1			2
E												2		
F								1	1					

31 *Chlorostoma lischkei*
クボガイ

	1	2	3	4	5	6	7	8							
A	1						1	2		9	10				
B												11	12	13	14
C			1					2							
D						1	1		1						
E						1				2	2				
F						1									

36 *Omphalius rusticus*
コシダカガンガラ

	1	2	3	4	5	6	7	8							
A		1	1	1				1		9	10				
B			1		1							11	12	13	14
C		1	1												
D												1			
E									2						
F						1						1			

32 *Chlorostoma turbinatum*
ヘソアキクボガイ

	1	2	3	4	5	6	7	8							
A										9	10				
B												11	12	13	14
C	1														
D															
E															
F															

37 *Trochus histrio*
ハクシャウズ

	1	2	3	4	5	6	7	8							
A										9	10				
B												11	12	13	14
C													1	1	
D															
E															
F															

33 *Chlorostoma xanthostigma*
クマノコガイ

	1	2	3	4	5	6	7	8							
A			1	2	1	1	1	3		9	10				
B		2	1					1	3			11	12	13	14
C		2	1					2	1						
D		1			1	1	2			2					
E				1		1	2				1				
F	2	1		1	2	1	1	1	1						

38 *Trochus maculatus*
ニシキウズ

	1	2	3	4	5	6	7	8							
A		1						3		9	10				
B	1											11	12	13	14
C												2	1	2	3
D															4
E									1		1		3	3	
F									1	2					

34 *Omphalius nigerrimus*
ヒメクボガイ

	1	2	3	4	5	6	7	8							
A	1	1				1		3		9	10				
B		1	2							1		11	12	13	14
C												1			
D									1						
E										1		1			
F				1	1		2	1	2						

39 *Trochus rota*
ウズイチモンジ

	1	2	3	4	5	6	7	8							
A							2	11		9	10				
B									1	5		11	12	13	14
C			1							1	7	3	5	7	
D										4	1	4	1	4	5
E									1	2	1	4	3	9	12
F										3	9	5			

35 *Omphalius pfeifferi*
バテイラ

	1	2	3	4	5	6	7	8							
A										9	10				
B		1	2									11	12	13	14
C		1													
D															
E										1		1			
F							2								

40 *Tectus conus*
ベニシリダカ

	1	2	3	4	5	6	7	8							
A										9	10				
B												11	12	13	14
C															
D															
E															
F										1					

41 *Tectus pyramis*
ギンタカハマ

	1	2	3	4	5	6	7	8						
A	1	2		2		1	3	10	9	10				
B		2	2	4	3		1	6	7	11	12	13	14	
C		4	1					2	7	6	7	8	6	
D				2		1	5	3	1	8	7			
E				7		1	6	2	3	15	10	15		
F				3	3	5	16	13	9					

46 *Cantharidus callichroa*
ハナチグサ

	1	2	3	4	5	6	7	8					
A							1	9	10				
B										11	12	13	14
C													
D								1					
E												1	
F													

42 *Eurytrochus cognatus*
クルマチグサ

	1	2	3	4	5	6	7	8					
A							1	9	10				
B	1									11	12	13	14
C													
D													
E									1				
F				1	2		1						

47 *Cantharidus japonicus*
チグサガイ

	1	2	3	4	5	6	7	8					
A								9	10				
B										11	12	13	14
C										1			
D									2		1		
E						1				2			
F							1						

43 *Fossarina picta*
チビアシヤ

	1	2	3	4	5	6	7	8						
A	3	4	2	1	2	1	4	15	9	10				
B		1	4	2	1			3	5	6	11	12	13	14
C		1		1		2	2	1	10	8	4	3	1	1
D	1	1			6	3	7	7	8	5	3	3	1	1
E		1		3	7	7	11	10	15	9	2		3	
F			3	12	6	7	7	5	4	2				

48 *Diloma suavis*
メクラガイ

	1	2	3	4	5	6	7	8						
A						1	2	19	9	10				
B							1	3	18	20	11	12	13	14
C							1	7	17	17	19	20	20	20
D			1				2	11	17	20	20	20	20	20
E				2	1	1	5	12	20	20	20	19	19	
F			1	3	8	4	11	14	14	18				

44 *Monodonta labio confusa*
イシダタミ

	1	2	3	4	5	6	7	8						
A	22	25	26	24	18	19	21	16	9	10				
B	22	22	26	25	26	19	21	21	19	9	11	12	13	14
C	25	25	26	26	25	21	24	23	23	19	7			
D	25	24	26	26	26	26	24	21	19	4	1			
E	18	16	19	24	24	24	24	17	16	10		1	1	
F	24	25	21	25	19	6	9	4	1	1				

49 *Broderipia iridescens*
ハナザラ

	1	2	3	4	5	6	7	8						
A							1	1	9	10				
B											11	12	13	14
C											3		1	18
D												1	5	18
E									2		2	6	10	
F					1			2	2	3				

45 *Monodonta perplexa perplexa*
クビレクロツケ

	1	2	3	4	5	6	7	8						
A	1								9	10				
B											11	12	13	14
C	2													
D		1												
E														
F	1													

50 *Stomatella impertusa*
ヒメアワビ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F						1								

51 *Thalotia attenuatus*
オニノハ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F					1									

56 *Collonista glareosa*
コダマサンショウスガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F														

52 *Calliostoma unicum*
エビスガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C											1	1		
D					1									2
E													2	
F														

57 *Bothropoma pilulum*
サンショウスガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C			1									1	1	
D									1			1	1	
E						1	3	1	1			1		
F						1	4	1	1	3				

53 *Conotalopia mustelina*
アワジチグサ

	1	2	3	4	5	6	7	8						
A	1	2	5	9	3	6	5	10	9	10				
B	1	3	1	5	5	5		3	3	2	11	12	13	14
C	1	2	3	1			1	5	3	2	10	14	11	11
D					5	1	6	12	12	8	9	10	9	11
E					3	6	9	11	10	17	10	9	11	
F			1	9	8	10	8	9	6	12				

58 *Astraliium haematragum*
ウラウスガイ

	1	2	3	4	5	6	7	8						
A		1	4	2	2	2	2	2	9	10				
B	1	3	3	6	5			1		2	11	12	13	14
C		6	2		1		1	1					1	2
D		1			11	4	1	2	2					2
E					10	2	2	5			2		3	
F				5	4	8	6	9	4	3				

54 *Angaria neglecta*
カタベガイ

	1	2	3	4	5	6	7	8						
A	1					1		4	9	10				
B											11	12	13	14
C	1	1											1	
D			1		4						1			
E				1			2				1			
F			2		4	1	8	7						

59 *Astraliium heimbürgi*
カサウラウス

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D			1											
E					1			1						
F						1	1							

55 *Collonista amakusaensis*
シラタマサンショウスガイ

	1	2	3	4	5	6	7	8						
A	1								9	10				
B											11	12	13	14
C														
D														
E														
F														

60 *Turbo coronatus coreensis*
スガイ

	1	2	3	4	5	6	7	8						
A	19	26	25	22	19	11	3		9	10				
B	21	25	26	25	22	3	6	3		1	11	12	13	14
C	25	25	22	20	14		5	6	2	1				
D	13	19	21	7	17	8	9	9	1	2				
E		1	2	3	25	18	14	4	4	3	1	1		
F	13	1	3	23	20	17	8	4	3	1				

61 *Turbo stenogyrus*
コシダカサザエ

	1	2	3	4	5	6	7	8							
A				1	1		2	7	9	10					
B		1		1					1	3	11	12	13	14	
C				1				1			4	8	9	5	
D											4	8	9	6	5
E					1	2	1	3	5	7	12	14	12		
F				3	1	4	5	9	12	9					

62 *Phasianella solida*
サラサバイ

	1	2	3	4	5	6	7	8						
A							1		9	10				
B								1			11	12	13	14
C			1	1	1		1				2			
D											2			
E					1		1				3	5	1	
F							1	2	3					

63 *Nerita albicilla*
アマオブネガイ

	1	2	3	4	5	6	7	8						
A	19	24	23	23	25	26	21	19	9	10				
B	21	24	26	26	21	20	23	24	22	2	11	12	13	14
C	25	25	22	21	23	23	22	23	22	16	1			1
D	17	20	19	19	22	21	24	25	24	13	5			
E	6	5	9	18	26	25	25	23	20	8	1			
F	18	18	14	21	21	16	20	15	5	1				

64 *Nerita japonica*
アマガイ

	1	2	3	4	5	6	7	8						
A	12	9	13	19	20	22	21	9	9	10				
B	11	3	5	17	23	23	25	25	1		11	12	13	14
C	20	6	22	24	26	26	26	23	5					
D	23	20	21	22	25	26	20	3	2					
E	16	15	13	24	12	10	4	2	1					
F	24	22	20	20	4	1		1						

65 *Nerita plicata*
キバアマガイ

	1	2	3	4	5	6	7	8						
A	1								9	10				
B	1										11	12	13	14
C	1													
D	4													
E														
F	3													

66 *Phenacolepas unguiformis*
ツメナリミヤコドリ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C		1												
D														
E														
F														

67 *Cerithium citrinum*
キイロカニモリ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C					1									
D														
E														
F														

68 *Cerithium lifuense*
ヨロイツノブエ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D						1								
E						1								
F														

69 *Cerithium variegatum*
マダラチビカニモリ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F							1							

70 *Clypeomorus bifasciata*
カヤノミカニモリ

	1	2	3	4	5	6	7	8						
A	2	3							9	10				
B	2	3									11	12	13	14
C	8	11												
D	2	4	1											
E														
F														

71 *Ittibittium parcum*
オオシマチグサカニモリ

	1	2	3	4	5	6	7	8		9	10							
A	8	16	21	17	19	17	15	2										
B	15	23	21	20	21	18							11	12	13	14		
C	17	12	11	5	1		1										1	
D	1	4	4		7	1	1	3			1	1						
E					3	3	3	3			2	1						
F	5		1	8	8	5	4	3	2	2								

72 *Diala semistriata*
スズメハマツボ

	1	2	3	4	5	6	7	8		9	10							
A	3	6	5	4	3	2	3											
B	5	6	6	5	4	5	2							11	12	13	14	
C	4	3	3	1	1													
D	1	3	1		1	1	2	1										
E					2	1	2											
F	2			1	1	1		1	1									

73 *Planaxis sulcatus*
ゴマフニナ

	1	2	3	4	5	6	7	8		9	10							
A	24	26	26	23	23	23	18	9		9	10							
B	24	26	22	25	23	21	25	23	8									
C	26	22	24	26	25	25	24	19	10	2			1					
D	26	26	26	26	25	26	26	17	13	1								
E	24	25	24	26	26	26	23	12	4	1				1				
F	26	26	26	25	21	4	6			1								

74 *Fossarus trochlearis*
トリデニナ

	1	2	3	4	5	6	7	8		9	10							
A																		
B																		
C										1								
D																		
E								1										
F				1		1	1											

75 *Littoraria pintado*
コウダカタマキビ

	1	2	3	4	5	6	7	8		9	10							
A					1													
B																		
C	3																	
D																		
E																		
F																		

76 *Littoraria undulata*
ホソスジウズラタマキビ

	1	2	3	4	5	6	7	8		9	10							
A	3																	
B	4																	
C	2																	
D																		
E	1																	
F	1																	

77 *Peasiella habeii*
コビトウラウズガイ

	1	2	3	4	5	6	7	8		9	10							
A	19	21	24	26	26	24	25	23										
B	12	14	16	23	26	26	25	26	25	15								
C	22	17	22	24	25	25	26	23	23	23	5	2	5					
D	24	26	24	26	25	26	24	24	24	19	5	5						
E	23	26	25	23	25	22	19	17	18	13	2	2	1					
F	26	26	26	25	24	8	11	4	5	2								

78 *Nodilittorina radiata*
アラレタマキビ

	1	2	3	4	5	6	7	8		9	10							
A	20	5	17	26	25	25	25	26										
B	13	3	4	19	26	26	26	24	25	3								
C	23	7	25	26	26	26	26	26	25	23	1							
D	26	24	26	26	25	26	20	21	24	23								
E	26	26	26	25	18	15	11	3	7	6								
F	26	23	25	22	5					1								

79 *Nodilittorina trochoides*
イボタマキビ

	1	2	3	4	5	6	7	8		9	10							
A	13		1	7	16	17	18											
B	11			4	22	19	20	7	4									
C	17			26	26	22	22	16	2	2								
D	24	3	8	8	7	4		1										
E	23	15	11	8														
F	24	8	4	4														

80 *Nodilittorina vidua*
タイワンタマキビ

	1	2	3	4	5	6	7	8		9	10							
A	2	1	4	4	3	5		6										
B	4			5	5	4	2	4	2									
C	5	1	7	5	4	4	5	2	3	4								
D	2	1	4	3	5	3	3	1	3	1								
E	3	3		2	2	7	1	1		1								
F	2	7	3	2	2													

81 *Littorina brevicula*
タマキビ

	1	2	3	4	5	6	7	8						
A	22	13	24	26	20	22	25	14	9	10				
B	18	8	16	16	26	25	26	23	20		11	12	13	14
C	21	11	25	25	26	24	25	23	21	14				
D	26	21	25	25	19	22	16	12	11	7				
E	26	24	23	24	12	10	5							
F	26	26	24	18	5	1	1							

82 *Barleeia angustata*
チャツボ

	1	2	3	4	5	6	7	8						
A	5	12	15	10	9	5	5	2	9	10				
B	8	14	13	12	10	12	1				11	12	13	14
C	10	6	6	2	2		1				1			
D	1	3	4		11	3	6	6	1	1		1		
E					8	4	6	4	2					
F	4			8	6	3								

83 *Schwartziella zeltnerioides*
ハスメチョウジガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F						1	1							

84 *Strombus luhuanus*
マガキガイ

	1	2	3	4	5	6	7	8						
A	1								9	10				
B											11	12	13	14
C														
D								1						
E										1				
F					1	1			1					

85 *Strombus mutabilis*
ムカシタモト

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F							1	2						

86 *Hipponix conica*
キクスズメ

	1	2	3	4	5	6	7	8						
A			2	4	3	3	1	7	9	10				
B			4	1		1			2	6	11	12	13	14
C		4	2	1	2		1	1	1		12	4	5	9
D					5	5	1	6	3	2	7	6	3	9
E					4	6	5	5	4	1	9	11	8	
F	1		1	5	7	9	12	7	14	9				

87 *Hipponix foliacea*
カワチドリ

	1	2	3	4	5	6	7	8						
A	1	5	3	3	2	2		4	9	10				
B	1	9	8	5		2			1	6	11	12	13	14
C	5	8	4		2						9	4	7	18
D			3		3		3	2	2		10	10	8	21
E					6	4	5	6	3	7	8	15	10	
F	1		1	4	17	13	7	9	9	13				

88 *Hipponix trigona*
スズメガイ

	1	2	3	4	5	6	7	8						
A	1	7	7	2		5		1	9	10				
B	2	7	8	1	2					2	11	12	13	14
C	2	3		1					1	1	4	2	5	7
D	1	1		1	1		1				4	6	2	12
E				1	2	5	8	13	1	2	7	9	8	
F			1	17	22	17	15	16	7	5				

89 *Crepidula gravispinosus*
アワブネ

	1	2	3	4	5	6	7	8						
A							1	7	9	10				
B				1					1	2	11	12	13	14
C										3	5	3	8	8
D							1			1	1	3	1	9
E							1	1	2		10	18	17	
F						1	1		6	13				

90 *Crepidula onyx*
シマメノウフネガイ

	1	2	3	4	5	6	7	8						
A							1		9	10				
B											11	12	13	14
C												1		
D														
E												1		
F														

91 *Dendropoma dragonella*
タツノコヘビガイ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B									4	11	12	13	14	
C									1	10	9	13		
D									2	7	9	8		
E									2		6			
F														

92 *Dendropoma planorbis*
ミジンムカデガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C													1	
D										1				
E														
F														

93 *Serpulorbis daidai*
オレンジヘビガイ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B									2	11	12	13	14	
C									1					
D									1	1				
E									1	2	1			
F				2						2				

94 *Serpulorbis imbricatus*
オオヘビガイ

	1	2	3	4	5	6	7	8						
A	1	1	5	1	4	3	2	18	9	10				
B	2	3	9	6	5	16		1	6	10	11	12	13	14
C	2	5	2					4	3	10	12	8	5	
D				2		3	7	4	9	16	18	9	2	
E				6		5	3	12	10	13	12	11		
F			2	7	7	7	10	11	13					

95 *Cypraea annulus*
ハナヒラダカラ

	1	2	3	4	5	6	7	8						
A							1	1	9	10				
B											11	12	13	14
C														
D														
E				1										
F					1									

96 *Cypraea arabica asiatica*
ヤクシマダカラ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C														
D														
E								1						
F														

97 *Cypraea artuffeli*
チャイロキヌタ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C										2		1		
D												1		
E										4	2	2		
F							1				1			

98 *Cypraea boivinii*
オミナエシダカラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C												1		
D														
E														
F														

99 *Cypraea caputserpentis*
ハナマルユキ

	1	2	3	4	5	6	7	8						
A								1		9	10			
B										2	11	12	13	14
C								1			12	8	13	4
D								4	1	2	6	10	5	2
E				2		2	1		1	7	6	12		
F							1	4	8					

100 *Cypraea clandestina clandestina*
カミスジダカラ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C											2	1		
D											1			
E											2		2	
F								1						

101 *Cypraea erronea erronea*
ナツメモドキ

	1	2	3	4	5	6	7	8						
A								2	9	10				
B											11	12	13	14
C														
D											1			
E														
F				2										

106 *Cypraea limacina limacina*
シボリダカラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C										1				
D									1			1		
E											1	1		
F											1			

102 *Cypraea fimbriata fimbriata*
ツマムラサキメダカラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D											1			
E														
F														

107 *Cypraea listeri*
クロダカラ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C											3	1	3	
D											1		2	3
E						1		1	2					
F									1	2				

103 *Cypraea gracilis*
メダカラ

	1	2	3	4	5	6	7	8						
A					1		2	9	10					
B								2			11	12	13	14
C											4	7	8	2
D					2			1	1	5	2			1
E					2	3	2	1	5	8	6			
F					3	1	1	3						

108 *Cypraea moneta*
キイロダカラ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C														
D														
E														
F														

104 *Cypraea helvola helvola*
カモンダカラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E											1			
F											2			

109 *Cypraea poraria*
アヤメダカラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E												1		
F														

105 *Cypraea labrolineata*
ナシジダカラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F											1			

110 *Cypraea vitellus*
ホシキヌタ

	1	2	3	4	5	6	7	8						
A									9	10				
B										2	11	12	13	14
C														
D														
E														
F														

111 *Erato callosa*
ザクロガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C												1		
D											1			
E											1	1		
F				1										

116 *Epitonium japonicum*
ヒメネジガイ

	1	2	3	4	5	6	7	8							
A	1					1		1	4	9	10				
B		1	2	1						1		11	12	13	14
C			1		1							2	3	1	
D					1		1			1	3	8	5		
E				1	1	2	4	2	3	5	3	4	3		
F	4			3	4	2	3	2	4	1					

112 *Lamellaria kiiensis*
キシユウベッコウタマガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D										1				1
E										1				
F														

117 *Epitonium vigintifoliatum*
ハタエイトカケ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E						1								
F														

113 *Natica gualteriana*
ホウシュノタマ

	1	2	3	4	5	6	7	8						
A	1								9	10				
B	1										11	12	13	14
C														
D														
E														
F														

118 *Alexania inazawai*
イナザワハベガイ

	1	2	3	4	5	6	7	8						
A	3	1							9	10				
B	1		1								11	12	13	14
C	2	1						1	1					
D		2												
E		1			1									
F				1	1									

114 *Charonia lampas sauliae*
ボウシュウボラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E											1			
F														

119 *Vitreolina auratas*
キンイロセトモノガイ

	1	2	3	4	5	6	7	8						
A			1	1					9	10				
B			2	3	3						11	12	13	14
C											4	3	2	
D					2			2		1	2	2	1	2
E								3		3	2	3	2	
F						1	2	7	3	2				

115 *Gyroscalea lamellosa*
ネジガイ

	1	2	3	4	5	6	7	8						
A	1						1	2	9	10				
B			1		1						11	12	13	14
C		1			1						4	1		
D								1	2	7	3	2		
E				1	2	4	2	1		7	3	1		
F			3	1	3	3	2	3	2					

120 *Vitreolina langfordi*
ムラサキウニヤドリニナ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E									1		1			
F														

121 *Apicalia habeii*
ヤツデヒトデヤドリニナ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C												1		
D														
E														
F														

126 *Maculotriton serriale*
ゴマフヌカボラ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C													1	
D											2			
E											1	1	4	
F														

122 *Cronia margariticola*
ウネレイシダマシ

	1	2	3	4	5	6	7	8						
A	2	7	7	5	10	17	13	17	9	10				
B		3	6	10	6	4			1		11	12	13	14
C	1	7	3	6	2			1			2	1		
D		2	1	4	11	7	6	12	9	6	6			
E		1		1	10	15	16	23	17	13	10	4		
F	1			12	22	22	25	25	24	21				

127 *Drupella fragum*
ヒメシロレイシダマシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D								1						
E									1					
F														

123 *Ergalatax contractus*
ヒメヨウラク

	1	2	3	4	5	6	7	8						
A	1	6	11	12	9	12	9	19	9	10				
B	5	15	13	16	14	4	3	3	7	9	11	12	13	14
C	8	17	11	9	15	2	5	8	6	11	15	10	5	8
D	1		2	3	15	18	10	18	18	7	16	15	3	2
E		1		1	18	13	21	20	15	12	16	16	9	
F	1	1	1	14	21	23	18	21	20	15				

128 *Morulaanaxeres*
ウネシロレイシダマシ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C														
D														
E														
F					1									

124 *Muricodrupa fusca*
レイシダマシモドキ

	1	2	3	4	5	6	7	8						
A	19	26	25	26	26	26	14	17	9	10				
B	22	24	26	26	21	26	24	25	21	3	11	12	13	14
C	26	25	25	20	26	24	26	25	22	10	2	1		
D	10	24	26	24	26	26	26	26	24	16	3	1		
E	2	8	15	21	25	26	25	23	17	2	2	2	1	
F	16	18	16	26	23	16	18	8	2	1				

129 *Morula funiculata*
クロフレイシダマシ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B									1	1	11	12	13	14
C											4	1	1	2
D					1	1		1	2		2			
E						1	1	3	1	4	4	3		
F					1	2	1	6	5	3				

125 *Muricodrupa sp.*
コウシレイシダマシ

	1	2	3	4	5	6	7	8						
A					1	2		3	9	10				
B	1		1	2	1						11	12	13	14
C		2	1		1				1	2	2			1
D					2	1		1	1		2	1		
E				1	3	2	1	3		1	4	3		
F				1	2	1	1		2	4				

130 *Morula granulata*
レイシダマシ

	1	2	3	4	5	6	7	8						
A			1	1			3	14	9	10				
B			2	1		1	1	1	2	5	11	12	13	14
C							1		1	4	17	15	13	9
D							1	4	7	5	20	20	13	2
E				1			3	9	9	17	14	19	17	
F				1	4	8	6	8	15	17				

131 *Morula iostoma*
イトマキレイシダマシ

	1	2	3	4	5	6	7	8						
A		1			1			2	9	10				
B		1								1	11	12	13	14
C							1	1			8	3	5	1
D				4	3		9	5	5	8	3	3		
E				4	5	4	8	6	2	12	8	8		
F				3	6	7	15	18	20					

132 *Morula musiva*
シマレイシダマシ

	1	2	3	4	5	6	7	8						
A	1	10	7	6	11	19	21	26	9	10				
B	1	8	10	13	7	9	13	15	21	25	11	12	13	14
C	4	10	8	10	9	6	12	15	24	23	25	18	3	2
D	2	4	6	6	23	23	21	21	26	24	26	24	14	
E	1		1	2	20	22	26	24	25	26	17	16	10	
F	3	1	3	23	26	23	24	24	25	16				

133 *Morula sp.*
ニッポンレイシダマシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C											1			
D					1			1						
E									1	1		1		
F														

134 *Habromorula spinosa*
トゲレイシダマシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F					1									

135 *Drupa ricinus hadari*
シロイガレイシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														1
D														
E													1	
F														

136 *Mancinella bufo*
タイワンレイシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C									1	1			1	
D														1
E													1	
F						1								

137 *Mancinella echinata*
ウニレイシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E								1			1			
F														

138 *Mancinella mancinella*
キナレイシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C												1	2	2
D								1			1	2	1	
E												1	2	
F														

139 *Mancinella tuberosa*
ツノレイシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														1
D														
E														
F														

140 *Purpula panama*
テツボラ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C											1		1	
D								1						
E												1	1	
F														

141 *Thais bronni*
レイシガイ

	1	2	3	4	5	6	7	8						
A		1	1	3	4	4	3	5	9	10				
B	1	1	3	4	1	3	4	8	1	10	11	12	13	14
C		1	2	3	5	2	4	13	8	3	25	21	24	25
D		1	1	1	7	11	8	17	15	6	21	19	23	23
E				1	7	4	11	11	10	12	23	25	23	
F	1			2	8	16	18	21	22	22				

146 *Anachis misera misera*
ボサツガイ

	1	2	3	4	5	6	7	8						
A				1			1	5	9	10				
B						1			2	2	11	12	13	14
C											7	7	11	2
D								2	1	9	9	8	5	4
E					1		1	4	6	5	8	8	9	
F					2	1	3	5	7	9				

142 *Thais clavigera*
イボニシ

	1	2	3	4	5	6	7	8						
A	7	12	11	11	10	9	9	26	9	10				
B	4	10	15	16	9	12	16	16	23	26	11	12	13	14
C	9	14	12	6	8	5	11	20	25	26	25	26	25	22
D	2	9	11	6	17	19	24	23	25	26	24	26	24	17
E	2		6	13	21	26	25	25	25	26	25	25	25	
F	2	5	9	25	26	26	25	25	24	25				

147 *Pyrene flava*
ムシエビ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C								1			1			
D														
E														
F														

143 *Thais luteostoma*
クリフレイシ

	1	2	3	4	5	6	7	8						
A		2	3	1	1			3	9	10				
B	2	1	1	2			1	1	3	3	11	12	13	14
C			1	3			1	1	2	11	8	12	14	
D					2	2	3	3	4	1	7	7	10	9
E			1		4	6	2	3	4	3	11	10	12	
F				1	5	10	8	6	5	6				

148 *Pyrene testudinaria tylerae*
マツムシ

	1	2	3	4	5	6	7	8						
A	1		1						9	10				
B		1				1					11	12	13	14
C								1			1			1
D						1			1	1				
E			1	1				1		1	2		1	
F										1				

144 *Coralliophila squamosissima*
カゴメサンゴヤドリ

	1	2	3	4	5	6	7	8						
A							1	1	9	10				
B											11	12	13	14
C											3	3	2	2
D					2			1		1				
E									1	3	2			
F							1	1	1					

149 *Mitrella bicincta*
ムギガイ

	1	2	3	4	5	6	7	8						
A								5	9	10				
B						1				1	11	12	13	14
C				1							1	1	3	
D									1	2	4	1		1
E					1	1	1	1	2	3	3	2	4	
F						1	1		2	2				

145 *Euplica scripta*
フトコロガイ

	1	2	3	4	5	6	7	8						
A		2	8	12	16	22	14	16	9	10				
B	1	7	12	18	20	11		3	3	8	11	12	13	14
C	3	5	2	4	1	1		3	4		13	9	5	5
D					15	5		15	16	4	12	12	8	3
E		1			11	5	3	18	5	6	18	11	11	
F				9	11	15	15	21	23	18				

150 *Zafra pumila*
ノミニナ

	1	2	3	4	5	6	7	8						
A				1					9	10				
B	1										11	12	13	14
C														
D														
E														
F														

151 *Zafra sinensis*
ケシマツムシ

	1	2	3	4	5	6	7	8	9	10				
A														
B											11	12	13	14
C														
D														
E														
F			1											

156 *Reticunassa fratercula*
クロスジムシロ

	1	2	3	4	5	6	7	8	9	10				
A	1	4	4	2	2	1					9	10		
B	1	2	1	1	1						11	12	13	14
C	1	5	3											
D	1		1											
E						1								
F				1	1		1							

152 *Niotha livescens*
ムシロガイ

	1	2	3	4	5	6	7	8	9	10				
A														
B											11	12	13	14
C														
D														
E														
F				1										

157 *Enzinopsis menkeana*
ナガゴマフホラダマシ

	1	2	3	4	5	6	7	8	9	10				
A														
B											11	12	13	14
C														
D									1					
E														
F														

153 *Niotha semisulcata*
アツムシロ

	1	2	3	4	5	6	7	8	9	10				
A														
B											11	12	13	14
C	1													
D														
E														
F														

158 *Japeuthria ferrea*
イソニナ

	1	2	3	4	5	6	7	8	9	10				
A	1	6	4		13	13	6				9	10		
B	1	1	4	9	8						11	12	13	14
C		1	22	16	9	1								
D		1		2	20	18	3	6	5					
E					6	4	5	1	1			1		
F	3			2				1						

154 *Telasco sufflatus*
ヨフバイ

	1	2	3	4	5	6	7	8	9	10				
A														
B				1							11	12	13	14
C														
D														
E														
F							1							

159 *Strigatella litterata*
ミダレシマヤタテ

	1	2	3	4	5	6	7	8	9	10				
A														
B											11	12	13	14
C														
D										1	2			
E														
F										1				

155 *Telasco velatus*
シイノミヨフバイ

	1	2	3	4	5	6	7	8	9	10				
A		1		1	1		1							
B		2	1		1						11	12	13	14
C	1	1												
D					1									
E														
F														

160 *Strigatella paupercula*
ナガシマヤタテ

	1	2	3	4	5	6	7	8	9	10				
A					1									
B											11	12	13	14
C														
D														
E												1		
F						1								

161 *Strigatella scutulata*
ヤタテガイ

	1	2	3	4	5	6	7	8						
A		3	2				1	4	9	10				
B		1		2				1			11	12	13	14
C						1			2	2	1	1		
D			1		1				1	3	2			
E				3	5	1	4	1	1	6	1	2		
F			1	11	13	6	7	4	3					

166 *Conus musicus*
ガクファイモ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C														
D														
E														
F									1					

162 *Conus coronatus*
ジュズカケサヤガタイモ

	1	2	3	4	5	6	7	8						
A							2	9	10					
B											11	12	13	14
C													1	
D							1							
E									1	2	1			
F						1	1	1						

167 *Conus sponsalis*
セイロンイモ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F									2					

163 *Conus miliaris*
サヤガタイモ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F							1							

168 *Hemicythara octangulata*
ハッカクフタナシシャジク

	1	2	3	4	5	6	7	8						
A									9	10				
B			1		1						11	12	13	14
C														
D														
E													1	
F														

164 *Conus ebraeus*
マダライモ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D					1									
E														
F					1		2	1						

169 *Lienardia malleti*
モモイロフタナシシャジク

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D						1								
E														
F								1						

165 *Conus lividus*
イボシマイモ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E											1			
F														

170 *Heliacus enoshimensis*
ナワメグルマ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F							1							

171 *Paracingulina triarata*
ミスジヨコイトカケギリ

	1	2	3	4	5	6	7	8						
A							1		9	10				
B											11	12	13	14
C														
D														
E					1									
F	1		2	1	1	1	1							

176 *Smaragdinella sieboldi*
タテジワミドリガイ

	1	2	3	4	5	6	7	8						
A		1				1		2	9	10				
B										1	11	12	13	14
C									3					
D							1							
E					1					4				
F				1	1	1			2					

172 *Bullina lineata*
ベニシボリガイ

	1	2	3	4	5	6	7	8						
A							1	9	10					
B											11	12	13	14
C														
D														
E														
F				1										

177 *Bulla ventricosa*
ナツメガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E											1			
F														

173 *Hydatina physis*
ミスガイ

	1	2	3	4	5	6	7	8						
A							1	1	9	10				
B		1	1	1	1						11	12	13	14
C	1	1	2				1				1			
D					1									
E									1		1			
F			1	2	4			1						

178 *Ercolania boodleae*
アリモウミウシ

	1	2	3	4	5	6	7	8						
A					1				9	10				
B		1	1								11	12	13	14
C			1											
D									1					
E														
F														

174 *Chelidonura inornata*
オハグロツバメガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F									1					

179 *Aplysia dactylomela*
ジャノメアメフラシ

	1	2	3	4	5	6	7	8						
A									9	10				
B					1						11	12	13	14
C														
D														
E														
F														

175 *Haloa japonica*
ブドウガイ

	1	2	3	4	5	6	7	8						
A	2	1	1						9	10				
B		1									11	12	13	14
C			1											
D						1								
E														
F														

180 *Aplysia juliana*
アマクサアメフラシ

	1	2	3	4	5	6	7	8						
A				1	1	2		3	9	10				
B		1	1	2						2	11	12	13	14
C	1										2	1		
D				1			1	1	2	2	1	1		
E				1	1	1	2	3	1	3	3	3		
F			1		2	3	5	4	5					

181 *Aplysia kurodai*
アメフラシ

	1	2	3	4	5	6	7	8						
A		1	3	2	3	4		4	9	10				
B	1		2	3	1	3	2		1	1	11	12	13	14
C		2	3		1							1		
D				3	1		2		1					
E				1	1	4	4	3	2	5	4	2		
F			1	2	3	3	4	6	3					

186 *Kalinga ornata*
ハナデンシヤ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E														
F	1													

182 *Aplysia oculifera*
ミドリアメフラシ

	1	2	3	4	5	6	7	8						
A	1		1	3	3	2		3	9	10				
B	1	4	1	3	3	4			1		11	12	13	14
C	3	2	1	1							1	3	1	2
D							3	1		1	2	1		
E					5	3	2	3	1	3	1			
F		1		3	3	6	6	5	2	5				

187 *Hypselodoris festiva*
アオウミウシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C								1						
D														
E														
F														

183 *Aplysia parvula*
クロヘリアメフラシ

	1	2	3	4	5	6	7	8						
A				1	1	1			9	10				
B	1				2						11	12	13	14
C												1		
D														1
E								1		1				
F					1	1	1	1						

188 *Discodoris concinna*
ツヅレウミウシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E												1		
F														

184 *Dolabella auricularia*
タツナミガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E				1										
F						1								

189 *Doriopsis granulosa*
キイロクシエラウミウシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D									1					
E														
F														

185 *Goniodoris castanea*
ネコジタウミウシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E							1							
F														

190 *Platydoris speciosa*
クモガタウミウシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D														
E						1					1	1		
F														

191 *Platydoris tabulata*
ネズミウミウシ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B											11	12	13	14
C														
D														
E														
F														

196 *Onchidella kurodai*
ヒメアワモチ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C		1							1	1				
D														
E														
F							1							

192 *Dendrodoris arborescens*
クロシタナシウミウシ

	1	2	3	4	5	6	7	8						
A				1					9	10				
B			1								11	12	13	14
C														
D														
E														
F							1	1						

197 *Peronia sp.*
イソアワモチ近似種

	1	2	3	4	5	6	7	8						
A		2						1	9	10				
B		1				6	3				11	12	13	14
C						4	8		1		1			
D			1		1	2	7	4	1					
E					7	5	5							
F					1	1								

193 *Doriopsilla miniata*
ダイダイウミウシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C											1		1	
D											2		1	
E											3	6	2	
F								1	6					

198 *Siphonaria acmaeoides*
シロカラマツガイ

	1	2	3	4	5	6	7	8						
A	3		5	9	8	24	21	1	9	10				
B			1	3	16	16	25	16	13		11	12	13	14
C	2	2	10	20	20	21	21	13	5	3		1	1	
D	11	11	22	22	3	16	8	10	3		1			
E	18	22	23	15	4	1	6	2	2	1				
F	14	16	17	7	2		1	1						

194 *Melibe papillosa*
メリベウミウシ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D			1											
E														
F														

199 *Siphonaria japonica*
カラマツガイ

	1	2	3	4	5	6	7	8						
A	13	15	15	15	15	22	21	19	9	10				
B	5	5	9	11	15	16	23	25	21	16	11	12	13	14
C	6	10	14	11	20	19	23	24	18	24	12	5	1	2
D	19	20	22	20	22	22	21	21	23	22	10	9	5	1
E	11	10	15	18	20	18	17	21	22	14	8	2	3	
F	22	22	20	17	18	19	15	13	8	7				

195 *Spurilla chromosoma*
イロミノウミウシ

	1	2	3	4	5	6	7	8						
A	1								9	10				
B	2										11	12	13	14
C														
D		1											1	
E							1							
F				1										

200 *Siphonaria sirius*
キクノハナガイ

	1	2	3	4	5	6	7	8						
A	1	2	2	2	8	14	17	21	9	10				
B	1	1	3	4	4	11	19	15	18	13	11	12	13	14
C	2		3	4	9	10	18	18	24	16	20	20	21	22
D	1	1	3	4	9	14	19	24	25	22	25	20	25	14
E	1	1		5	12	17	22	26	26	25	26	24	20	
F	1	4	2	19	25	25	24	26	25	25				

201 *Nucula paulula*
マメクルマミガイ

	1	2	3	4	5	6	7	8		9	10						
A																	
B			1									11	12	13	14		
C			1														
D																	
E																	
F					2	2	1										

206 *Barbatia stearnsii*
ハナエガイ

	1	2	3	4	5	6	7	8		9	10								
A																			
B																11	12	13	14
C															1				
D																			
E																			
F																			

202 *Arca avellana*
フネガイ

	1	2	3	4	5	6	7	8		9	10						
A							1	1									
B											1		11	12	13	14	
C											1		1		1		
D											1			1			
E														1	1		
F											1	2					

207 *Barbatia virescens*
カリガネエガイ

	1	2	3	4	5	6	7	8		9	10						
A	2	11	7	6	6	2	1	13									
B	3	7	9	18	6	11		6	13	25			11	12	13	14	
C	9	13	15	6	10			9	15	18	20	25	25	25	25	23	
D		2	2	1	11	16	19	24	17	16	24	26	24	18			
E				2	12	22	20	21	18	18	23	26	24				
F			1	17	26	23	25	18	24	24							

203 *Arca boucardi*
コベルトフネガイ

	1	2	3	4	5	6	7	8		9	10						
A			1	1													
B											1		11	12	13	14	
C											1	3	4	2	5		
D						1					2					3	
E										1		1	3	5			
F				1	1		1	3	1								

208 *Arcopsis symmetrica*
ミミエガイ

	1	2	3	4	5	6	7	8		9	10								
A																			
B																11	12	13	14
C																			
D																			1
E																			
F																			

204 *Barbatia fusca*
ベニエガイ

	1	2	3	4	5	6	7	8		9	10								
A																			
B																			
C																			1
D																			
E																			
F																			

209 *Mytilus coruscus*
イガイ

	1	2	3	4	5	6	7	8		9	10								
A																			
B																			
C																2	1	2	
D																1	2	8	
E															1				
F																			

205 *Barbatia lima*
エガイ

	1	2	3	4	5	6	7	8		9	10								
A								2											
B																			
C																			2
D																1			
E											1	4	1						
F								1											

210 *Mytilus galloprovincialis*
ムラサキイガイ

	1	2	3	4	5	6	7	8		9	10								
A								1											
B							2			1						11	12	13	14
C			1				1	1		1	1	1	3	2	2				
D	1							1				1	2	4	6				
E							2								1	2			
F				3		1		1	1										

211 *Xenostrobus atratus*
クログチ

	1	2	3	4	5	6	7	8						
A	16	12	21	23	21	22	26	23	9	10				
B	7	7	8	18	20	23	25	24	24	7	11	12	13	14
C	18	14	18	22	23	24	25	26	23	20			1	1
D	24	25	26	26	24	24	19	19	16	14	2	2	1	
E	25	23	24	26	17	15	16	6	5	3	2		1	
F	22	26	26	19	9	8	6	3	1	2				

212 *Hormomya mutabilis*
ヒバリガイモドキ

	1	2	3	4	5	6	7	8						
A		13	12	10	11	8	17	17	9	10				
B	3	11	12	18	9	10	15	14	9	6	11	12	13	14
C	16	19	17	1	4	13	15	15	10	5	16	22	19	19
D	6	9	11	3	18	16	14	12	2	5	21	24	22	20
E	1		3	1	18	22	18	20	8	11	22	22	23	
F	3	1	1	8	21	23	21	21	20	15				

213 *Septifer bilocularis*
クジャクガイ

	1	2	3	4	5	6	7	8						
A	1	7	10	6	13	11	12	25	9	10				
B	1		7	12	9	10		2	11	23	11	12	13	14
C		7	4	5	9		1		10	14	20	20	19	16
D			3	3	11	14	3	21	17	20	23	24	18	17
E				1	8	13	17	23	22	22	18	16	16	
F	1			14	19	21	19	23	18	10				

214 *Septifer virgatus*
ムラサキインコ

	1	2	3	4	5	6	7	8						
A	8	12	13	8	10	3	8	11	9	10				
B	9	12	12	11	15	15	16	16	18	24	11	12	13	14
C	14	15	19	12	17	24	25	21	26	26	26	25	26	26
D	11	16	15	20	19	22	21	18	22	26	26	26	26	25
E	4	3	4	16	16	17	17	20	19	20	15	17	24	
F	10	16	6	12	14	9	12	11	10	14				

215 *Modiolus auriculatus*
リュウキュウヒバリガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D												1		
E														
F														

216 *Modiolus nipponicus*
ヒバリガイ

	1	2	3	4	5	6	7	8						
A		1		1	1				9	10				
B			1	1				1	1	1	11	12	13	14
C	2						1					4	2	1
D										1	1	6	3	3
E			1				1		1	1	1	1	4	
F					1	1		2		2				

217 *Musculus pusio*
チビタマエガイ

	1	2	3	4	5	6	7	8						
A			1						9	10				
B											11	12	13	14
C											1			1
D					1		2	1		1		1		
E						1	1	1						
F										1				

218 *Pinctada maculata*
ミドリアオリ

	1	2	3	4	5	6	7	8						
A								1	9	10				
B									2		11	12	13	14
C											1	3	2	1
D										2	4	1	3	1
E								2		4	2		1	
F									1	2				

219 *Pinctada margaritifera*
クロチョウガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C														
D										1				
E														
F														

220 *Pinctada martensii*
アコヤガイ

	1	2	3	4	5	6	7	8						
A	1	2	6	6	7	8	8	12	9	10				
B	5	5	9	10	7	7	1		1	9	11	12	13	14
C	6	9	3	3					1	2	9	12	11	5
D					2	3	3	15	10	11	6	11	8	4
E					2	4	8	15	13	12	6	12	7	
F	2		1	3	9	7	13	16	11	13				

221 *Isognomon acutirostris*
ヘリトリアオリ

	1	2	3	4	5	6	7	8						
A	3	1	1	1	1	1	2	3	9	10				
B	6	1			3	2	4	2	1		11	12	13	14
C	2		1	3	6	6	3	3	2					
D	3		2	1	5	5	2	1		1			1	
E		2	3	3	2	3							1	
F	1	1	2	2	2									

226 *Hyotissa chemnitzii*
ベニガキ

	1	2	3	4	5	6	7	8						
A								2	9	10				
B									1	1	11	12	13	14
C									2				1	4
D								2					1	9
E								1			2	2	6	
F											1			

222 *Isognomon legumen*
シロアオリ

	1	2	3	4	5	6	7	8						
A							1		9	10				
B	1										11	12	13	14
C											5	3	5	2
D				1								4	1	
E									1	1		1		
F				1	1	1								

227 *Crassostrea gigas*
マガキ

	1	2	3	4	5	6	7	8						
A	3		1		1	5	5	5	9	10				
B	1	1		1	1	1	5	10	8	4	11	12	13	14
C	1	2	2	1		8	6	6	7	6		4	4	2
D	3	2	1	7	5	3	4	4	1	6	2	4		
E	2	3	3	4	3	2	2	7	1	3	1	1	3	
F	3	1	2	4	2	1	2	1						

223 *Lima vulgaris*
ミノガイ

	1	2	3	4	5	6	7	8						
A									9	10				
B									1		11	12	13	14
C														
D														
E														
F														

228 *Crassostrea nippona*
イワガキ

	1	2	3	4	5	6	7	8						
A									9	10				
B									1		11	12	13	14
C														
D										2	1	1		
E									1					
F														

224 *Spondylus barbatus*
ウミギク

	1	2	3	4	5	6	7	8						
A									9	10				
B						1					11	12	13	14
C														
D														
E														
F														

229 *Saccostrea kegaki*
ケガキ

	1	2	3	4	5	6	7	8						
A	22	26	26	25	25	22	26	22	9	10				
B	20	26	26	26	15	18	26	26	26	24	11	12	13	14
C	25	26	24	23	24	26	26	26	26	26	26	20	14	6
D	26	26	26	26	25	25	26	26	26	26	23	21	19	1
E	20	25	25	26	26	25	25	21	24	23	23	17	8	
F	26	26	26	26	25	19	20	13	12	21				

225 *Plicatula australis*
カスリイシガキモドキ

	1	2	3	4	5	6	7	8						
A							1		9	10				
B											11	12	13	14
C													1	
D														
E														
F														

230 *Saccostrea mordax*
オハグロガキ

	1	2	3	4	5	6	7	8						
A	4	10	6	7	3	6	16	19	9	10				
B		3	3	3	2	6	14	15	18	14	11	12	13	14
C	2	3		9	8	10	16	16	18	17	16	14	7	3
D	2	1	3	6	16	17	17	18	20	19	18	13	15	2
E	2	5	5	14	17	19	20	18	21	19	7	5	5	
F	5	9	11	17	18	18	18	19	17	15				

231 *Dendostrea crenulifera*
ノコギリガキ

	1	2	3	4	5	6	7	8	9	10					
A								1							
B									3	2		11	12	13	14
C									1	2					
D								2						1	1
E								4			1				
F									1						

232 *Lasaea undulata*
チリハギガイ

	1	2	3	4	5	6	7	8	9	10					
A	11	11	10	12	6	7	8	14							
B	5	6	8	8	6	8	12	19	14	13		11	12	13	14
C	9	10	8	5	7	10	15	15	17	16	11	6	4		
D	13	13	12	17	14	13	14	15	15	13	5	5	4	1	
E	8	11	8	15	15	15	15	14	13	11	2	1			
F	13	17	19	19	14	9	5	4	5	5					

233 *Cardita leana*
トマヤガイ

	1	2	3	4	5	6	7	8	9	10					
A		1		1		1	3	5							
B		1	2	2	2	1				3		11	12	13	14
C		3		1	1				1	1	11	11	5	2	
D					5	2	2	1			7	7	11	3	
E				1	1	2	3	2	3	6	7	7	6		
F				2	12	8	6	4	7	7					

234 *Chama japonica*
キクザル

	1	2	3	4	5	6	7	8	9	10					
A				2	1	2	2	8							
B			1	5		4						11	12	13	14
C	1			1							3	1		2	
D			1		1		4	1	3	2	1	2	5		
E							2	1	2	1	1	4			
F		1			3	1	4	3	2	3					

235 *Claudiconcha japonica*
セミアサリ

	1	2	3	4	5	6	7	8	9	10					
A	2	4	3			1		7							
B	1	1	7	5	1			3	8	11		11	12	13	14
C	4	7	4	1	2		1	1	3	4	5	1	3	4	
D	2	2			5	4	5	5	6	5	8	3	1	6	
E				1	4	6	4	7	2	6	1	3	5		
F		2	2	7	11	7	5	2	3	1					

236 *Gafrarium dispar*
イナミガイ

	1	2	3	4	5	6	7	8	9	10					
A								1							
B		1			1							11	12	13	14
C															
D			1												
E															
F															

237 *Gafrarium divaricatum*
ケマンガイ

	1	2	3	4	5	6	7	8	9	10					
A															
B												11	12	13	14
C															
D															
E						1									
F															

238 *Protothaca jodoensis*
オニアサリ

	1	2	3	4	5	6	7	8	9	10					
A															
B	1											11	12	13	14
C															
D															
E															
F															

239 *Ruditapes variegatus*
ヒメアサリ

	1	2	3	4	5	6	7	8	9	10					
A															
B	1											11	12	13	14
C				1											
D															
E															
F															

240 *Irus mitis*
マツカゼガイ

	1	2	3	4	5	6	7	8	9	10					
A															
B			2							1		11	12	13	14
C			1								1		1		
D															1
E						1	1								1
F						1				1					

241 *Irus macrophyllus*
ハネマツカゼ

	1	2	3	4	5	6	7	8						
A									9	10				
B											11	12	13	14
C											1			
D														
E														
F														

242 *Hiatella orientalis*
キヌマトイガイ

	1	2	3	4	5	6	7	8						
A							1		9	10				
B											11	12	13	14
C		1										1	1	
D													1	
E						1			1			3		
F														

5-3. Inter-annual variation in the abundance of the 242 species

Table 2.

The number of quadrats in which each species occurred each year. *Italic numerals* in the uppermost row indicate the lower two figures of the years in A.D. (e.g., 05 means 2005) SC, species codes in the List of recorded species (Section 2). NY, number of years when the species appeared. CQ, cumulative number of quadrats occupied by the species during the 25-year period. –, no data; when this symbol is included in the row of a species, the values of NY and CQ are in parentheses.

Table 2-1

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ	
1					1								2	1				1									4	5	
2	5	9	11	10	13	7	8	7	8	18	6	8	9	3	5	1	2	4	1	5	4	7	6	3	11	10	26	181	
3	2		3	3	5	8		1	1	5	4	3		2		5						1	1	1		1	16	46	
4	56	60	53	60	57	54	56	61	52	50	53	52	48	47	49	53	48	44	42	47	38	45	41	47	45	47	26	1305	
5	-	-	-	-	14	11	15	13	2	7	22	12	19	24	36	33	26	32	24	32	32	29	34	45	37	36	(22)	(535)	
6	11	10	11	7	18	17	14	11	10	9	11	7	9	15	8	12	5	5	3	5	4	10	4	3	3	7	26	229	
7	35	35	39	45	41	33	32	38	28	33	39	32	30	22	32	34	25	27	27	41	36	37	34	36	32	32	26	875	
8	-	-	7	4	5	9	9	7	4	11	5	5	7	1	2	5	2	4	2	3	3	2	1		1	2	(23)	(101)	
9			1		1																					2	2	2	
10	5	2	4	6	6	2	9	3	8	5	7	9	9	8	18	22	19	23	30	30	17	30	24	18	20	14	26	348	
11	3	11	13	11	19	20	16	28	27	26	25	14	11	3	10	10	2	6	4	3	2	18	5	2	1	3	26	293	
12	38	45	39	35	42	46	47	48	41	42	43	30	36	20	43	40	26	16	19	34	29	31	26	26	26	43	26	911	
13	43	51	57	61	47	56	59	58	46	56	51	47	50	48	50	52	39	49	44	61	58	63	48	57	41	58	26	1350	
14	34	14	45	40	39	35	30	37	9	30	31	22	32	24	22	32	21	25	27	17	14	31	28	30	30	34	26	733	
15	58	64	60	58	61	61	61	63	57	58	61	57	53	56	62	62	58	52	58	63	56	61	60	64	59	60	26	1543	
16	16	18	23	25	26	18	14	17	15	15	21	11	11	18	13	14	13	18	9	15	13	12	16	13	14	17	26	415	
17	39	58	51	56	61	53	57	58	46	58	38	36	32	41	40	41	38	32	44	53	45	50	34	41	41	48	26	1191	
18	-	-	-	-	-	5					19	6	7	4		1	6	2	5	7	8	23	24	29	19	29	(16)	(194)	
19	-	-	-	-	-						1			2			1									1	(5)	(6)	
20	20	24	30	27	29	27	18	24	19	24	18	13	11	3	8	14	7	3	10	20	13	19	9	12	8	21	26	431	
21		5	7		10	7	7	5	1	4	1	4	1		2		1				7	7	4	6	3	4	19	86	
22		1	2	3	7	2	1	3			1	7	7	4	10	7	6	7	12	4	6	9	13	10	15	11	23	148	
23	2	3	5		13	6	7	1	3	4	2	2	5	2		9	7	10	5			2		1	5	5	21	99	
24								1																			1	1	
25		1	1	1		2	1	1	1	2	1	1														1	11	13	
26	5	6	7	10	4	4	7	8	11	8	12	6	6	9	3	12	5	4	5	8	8	11	5	10	7	9	26	190	
27	8	8	12	8	9	10	7	6	3	9	10	6		1	2	5	1	1		1							18	107	
28	25	28	28	26	23	19	17	17	18	23	33	24	21	15	27	22	22	23	22	27	19	26	28	35	34	40	26	642	
29	5	7	15	3	2	9		5	4	1	7	7			2	2	3	2	1		1	1		1	1	1	21	80	
30						1			1			2				2		2									5	8	
31	1	1	4	2	2	1	2					2															8	15	
32										1																	1	1	1

Table 2-2

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ
33	10	5	10	1	1	1	1	1	2									1	1	1	1	1				2	11	44
34	3		2	4	3	1	5											1	1			2					8	21
35		1	1	1	2	3																					5	8
36				2	1	2	2	2	3	1								1	1			1	1				8	13
37	2																										1	2
38		2	1	1	3	2	3	3	1	3	1		3			3		2	2		1			4	2	13	28	
39	2	4	8	6	12	11	10	9	8	5	4	2	5	6	1	3		1	2	1		1	4	1	2	3	24	111
40												1															1	1
41	3	6	11	3	3	11	12	3	13	18	21	15	15	8	9	6	6	9	10	3	2	2	3	6	14	8	26	220
42		1	1	1	1													1								2	6	7
43		7	18	15	16	18	18	15	12	5	12	12	9	8	4	3	3	4	5	8	4	9	10	15	9	9	25	248
44	51	54	55	49	55	58	52	54	52	47	51	49	40	31	42	49	36	49	45	45	31	43	48	35	38	43	26	1202
45	1		2			1												1									4	5
46					2		1																				2	3
47				1		1	1	3	1	1			1														6	8
48	23	24	29	30	25	27	29	29	28	30	26	20	24	25	23	24	22	28	21	25	27	32	27	25	19	28	26	670
49	4	2	5	4	8	5	2	3	3	7	4	5	5	4	3	1	2	1	2		2	2			2	2	23	78
50								1																			1	1
51																									1		1	1
52		1	1				1	2	1	1	1																6	7
53	15	17	36	36	34	26	27	32	15	21	5	5	10	2	11	12	1	5	5	14	9	8	6	3	3	7	26	365
54									1	2	1	1	7	2	4	3	1	1	3	4	1	1	1	3	1	4	18	41
55					1																						1	1
56												1															1	1
57	4		3			5	1		1	1	4	1			1	1		1									11	23
58	3	1	6	7	6	13	13	6	3	9	13	1	5	3	11	6	2	1	3	6	4	5	1	3		5	25	136
59															1	2		1								1	4	5
60	15	21	27	27	28	36	23	28	16	19	18	24	29	21	18	25	27	30	33	28	19	20	35	30	26	29	26	652
61	13	12	22	12	6	18	9	18	12	18	17	6			2	6	2			1				1	1	1	19	177
62			1			1		4	1	2	1	3	1	1	1	4	1	1	1	3							16	27
63	31	33	22	22	19	39	43	46	44	49	55	50	50	51	54	54	53	53	49	54	47	41	45	44	43	46	26	1137
64	29	30	22	18	22	33	33	34	35	36	32	28	33	34	26	32	33	30	33	34	28	37	27	24	33	31	26	787

Table 2-3

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ
65													1			1	1			1	1	1	1	1	1	2	9	10
66													1														1	1
67																			1								1	1
68																										2	1	2
69						1						1															2	2
70	1	1	1	2		1	1		1	1	1	1	3			3	3	2	1	2		2	1	2	6	20	36	
71	18	10	23	23	27	21	13	13	9	13	8	16	9	4	11	17	18	13	14	6	1	15	21	15	11	8	26	357
72			1	4	32	13	17	13	5	6	2																9	93
73	28	33	39	38	36	39	40	39	39	38	41	47	44	45	46	44	48	52	47	48	39	47	47	49	51	48	26	1112
74												1				1	2			1							4	5
75			1			1				1										1							4	4
76					1	2	2		2							1				3							6	11
77	41	53	49	56	50	49	53	50	32	44	51	42	47	50	50	51	53	46	49	53	47	47	47	47	50	56	26	1263
78	41	43	42	40	43	43	43	42	40	38	42	37	45	44	38	37	43	39	37	43	44	44	43	45	44	38	26	1078
79	19	13	14	12	21	14	18	13	23	19	17	19	24	13	14	16	20	18	11	26	13	24	16	17	14	16	26	444
80	1	1	9	1	1	4	14	1	3	5	7	1	10	7	11	5	4	3	3	13	6	7	3	14	10	9	26	153
81	48	47	41	45	40	42	46	38	26	38	29	35	34	34	25	38	40	46	29	31	31	36	37	38	36	38	26	968
82	13	20	27	16	30	26	12	13	9	16	5	4	4	1	7	6	2	4	4	9		3	6		1	5	24	243
83																											1	2
84				1						1		1						1					2				6	7
85	1		1									1															3	3
86	10	10	20	18	24	24	21	16	14	20	13	7	14	3	2	5	1	4	1	5	3	1		3		2	24	241
87	11	13	15	18	19	10	21	6	15	8	3	10	7	4	17	16	5	7	5	17	22	14	7	9	13	17	26	309
88	10	11	9	9	15	9	11	5	5	6	8	10	6	2	13	15	11	12	12	9	8	10	13	11	14	12	26	256
89	8	10	8	9	11	8	8	6	4	8	5	8	7	4	6	6	2		1						3	3	20	125
90					1				1	1																	3	3
91	6	8	5	6	7	8	7	5	2	2	1	3				1		3			1	3		1	1		18	70
92				1																				1			2	2
93		1		2			1		2	1	3	1	1			1						1					10	14
94	24	22	22	18	15	14	18	10	5	6	5	7	8	1	8	7	2	3	1	7	4	21	19	29	31	36	26	343
95					1						3																2	4
96												1				1											2	2

Table 2-4

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ	
97	2	2			1	1	1	1	1	1		3			1	2											10	15	
98								1																		1	1	1	
99			2		9	9		9	4	5	7	10	5	8	8	9	5	7	6	6			1		1	4	19	115	
100	1				2		1	2	1	1	1	1							1							8	10		
101											1	2	1								1					4	5	5	
102	1																									1	1	1	
103	6	8	7		3	4	1	6	3	1	12	9	3		4	5	1	1								16	74		
104													1					1							1	3	3	3	
105					1																					1	1	1	
106						1		2			2			1												4	6	6	
107					1			1	1	1	5	1	2		5	2		1				1		1		11	21	21	
108																1										1	1	1	
109																1										1	1	1	
110												1					1									2	2	2	
111						1		2		1			1													4	5	5	
112								2			1															2	3	3	
113																							2			1	2	2	
114																										1	1	1	
115	4	1	5	7	9	7	8	6	6	5	2	3	2				1									14	66	66	
116		1	2	15	14	10	12	3	11	12	4	2	2		2											13	90	90	
117			1																							1	1	1	
118								4	3	5		1	1	1	1	1										8	17	17	
119	4		4	3	1	3	1	5	8	8	6	7	4	2	3											14	59	59	
120										2																1	2	2	
121									1																	1	1	1	
122	3	10	9	9	8	10	11	6	8	13	9	12	16	14	19	27	20	23	26	32	32	21	25	23	33	32	38	26	457
123	29	27	44	37	33	37	26	38	36	50	39	30	34	26	43	41	23	21	12	36	13	13	8	1	5	1	26	703	703
124	39	40	42	50	50	46	52	53	48	49	47	46	46	47	47	47	41	42	43	49	36	41	43	47	42	41	26	1174	1174
125			2	2	8	5	10	2	6	4	3	6	3	2	4	1										14	58	58	
126				1		2	2				1	2			1											6	9	9	
127						1							1													2	2	2	
128									1															1			2	2	2

Table 2-5

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ
129					3	1			1	8	1	2	4	1	4	12	2	4	5	3			2			2	16	55
130	1	1	5	7	7	5	6	5	10	7	12	21	19	14	15	24	16	14	11	25	9	9	11	13	22	23	26	312
131		1			2	4	11	9	5	4	2	3	3	1	7	8	7	11	11	11	9	21	12	17	15	17	23	191
132	21	26	21	28	24	24	27	26	28	33	29	29	39	40	40	44	41	42	45	55	49	51	48	53	49	58	26	970
133												2		1	2				1							4	6	
134						1																				1	1	
135													1	1												2	2	
136															1					1				2	1	1	5	6
137																				1		1				2	2	
138															1		2	3	3				1	4	2	7	16	
139													1													1	1	
140							1	1							1								1		1	6	6	
141	11	13	9	16	24	19	23	26	28	33	25	26	28	22	27	21	21	19	17	19	28	40	19	27	20	22	26	583
142	40	44	46	42	37	42	39	46	34	40	37	41	35	34	50	50	49	53	46	45	43	60	52	58	46	56	26	1165
143	4	3	16	4	5	2	3	5	1	5	3	3	6	1	4	4	4	11	3	17	21	26	17	19	22	13	26	222
144	3	2	1	2	5	1	2	1	3		1	2			1											1	13	25
145	21	23	26	28	21	17	15	20	13	23	18	21	21	15	13	33	21	22	17	14	25	27	18	16	16	15	26	519
146			1	3	12	14	14	21	10	17	18	8	6	1	2	6	3	3				2	1	1	3		20	146
147															2											1	2	
148	1		2	6	1		4	1		2					1											8	18	
149	1	1			4	2	6	6	2	8	6	2	1					1				2	3	1	1	15	46	
150																				1				1		2	2	
151	1																									1	1	
152															1											1	1	
153																									1	1	1	
154					1			1																	1	2	2	
155													1									1	2	1	1	6	11	
156	1	2	1					1	2	4	5	5	5	1	2		1		2				2	1		15	35	
157																				1						1	1	
158	11	8	10	7	8	7	2	8	1	6	8	6	12	11	14	19	7	6	6	5	3	7	6	6	5	5	26	194
159									1		2	1													1		4	5
160												1			1											1	3	3

Table 2-6

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ	
161	1	1	2	1	5	6	2		5	2	8	11	9	4	8	6	2	3	3	1	3	3	3	2	2	5	25	98	
162																2	2	1	1						4	1	6	11	
163																										1	1	1	
164															2									1	2	3	5	5	
165																		1								1	1	1	
166															1										1	2	2	2	
167															1									1	2	2	2	2	
168			1								1											1					3	3	
169											1	1														2	2	2	
170													1													1	1	1	
171	1			1	5	2																				4	9	9	
172													1			1										2	2	2	
173											5	2	2	2	2	3					7	1	1	1		8	23	23	
174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1								(1)	(1)	(1)	
175	1									3													1	1	1	5	7	7	
176			1			1	1	1		1	1	1		1	3	1	1	1	1	1				1	3	15	19	19	
177									1																	1	1	1	
178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1						3				1	(3)	(5)	(5)
179	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							1			(1)	(1)	(1)	(1)
180	-	-	-	-	-	-	-	-	-	-	20	4	2			17	4	2		1	9	2	1	1	1		(12)	(64)	(64)
181	-	-	-	-	-	-	-	-	-	-	15	17	7		3	4	11	4	1	3	27			1			(11)	(93)	(93)
182	-	-	-	-	-	-	-	-	-	-	13	12	3	4	12	4	8	4	6	15	11		6	2	2	1	(14)	(101)	(101)
183	-	-	-	-	-	-	-	-	-	-	1					2	1			2	6			1	1	1	(7)	(14)	(14)
184	-	-	-	-	-	-	-	-	-	-	1	1				1										(3)	(3)	(3)	(3)
185	-	-	-	-	-	-	-	-	-	-			1													(1)	(1)	(1)	(1)
186	-	-	-	-	-	-	-	-	-	-					1											(1)	(1)	(1)	(1)
187	-	-	-	-	-	-	-	-	-	-		1														(1)	(1)	(1)	(1)
188	-	-	-	-	-	-	-	-	-	-						1										(1)	(1)	(1)	(1)
189	-	-	-	-	-	-	-	-	-	-			1													(1)	(1)	(1)	(1)
190	-	-	-	-	-	-	-	-	-	-		2				1										(2)	(3)	(3)	(3)
191	-	-	-	-	-	-	-	-	-	-											1					(1)	(1)	(1)	(1)
192	-	-	-	-	-	-	-	-	-	-		1						2				1				(3)	(4)	(4)	(4)

Table 2-7

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ
193	-	-	-	-	-	-	-	-	-	-	-	5	1	2	-	4	1	1	1	-	1	2	2	-	2	1	(12)	(23)
194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	(1)	(1)
195	-	-	-	-	-	-	-	-	-	-	2	2	-	-	2	-	-	-	-	-	-	1	-	-	-	-	(4)	(7)
196	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	1	(4)	(5)	
197	-	-	-	-	3	-	-	-	-	-	3	2	2	2	3	5	3	3	2	2	2	5	3	5	7	10	(17)	(62)
198	7	27	18	18	17	10	19	18	8	21	18	13	22	25	25	19	20	15	21	26	26	27	31	33	26	29	26	539
199	46	46	52	42	54	42	48	34	23	38	34	26	23	20	39	55	35	31	46	53	40	50	44	43	39	44	26	1047
200	26	33	37	40	36	33	39	32	27	31	30	24	31	31	38	37	33	34	34	44	46	53	38	43	38	42	26	930
201	-	-	-	2	1	-	1	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	6	7	
202	-	-	1	1	1	2	1	1	3	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	9	13	
203	3	2	3	2	4	1	5	3	-	6	4	-	1	2	-	1	-	1	-	-	1	-	-	-	2	16	41	
204	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
205	-	-	2	-	2	1	-	1	1	-	-	2	-	-	-	-	1	-	-	-	-	1	-	1	-	1	10	13
206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	
207	31	32	33	32	43	41	41	39	32	37	28	42	40	28	39	41	31	37	26	34	32	34	36	33	31	30	26	903
208	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
209	2	2	2	1	1	1	1	1	-	1	1	1	1	-	1	-	-	-	-	-	-	3	-	1	-	12	17	
210	1	2	2	8	2	1	3	1	3	2	1	1	2	3	-	4	1	-	-	-	2	1	3	-	-	19	43	
211	42	44	41	41	51	52	45	34	28	34	37	28	48	44	42	47	46	41	41	35	34	37	37	41	40	39	26	1049
212	12	8	18	13	22	25	22	26	13	24	26	24	33	36	44	50	49	45	52	52	45	44	51	44	46	48	26	872
213	28	29	28	26	34	23	28	22	20	15	13	21	20	14	27	33	27	27	33	29	30	35	38	47	46	47	26	740
214	53	54	61	57	63	63	59	62	59	56	59	53	47	40	38	45	38	30	22	22	17	31	32	24	18	19	26	1122
215	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
216	7	3	3	5	2	4	1	2	2	1	2	2	1	1	-	7	-	2	-	-	3	-	-	-	-	16	47	
217	-	-	-	-	-	-	9	-	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	13
218	-	-	-	-	-	-	-	-	-	-	-	-	1	1	8	-	1	5	2	2	-	-	6	2	4	2	10	33
219	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
220	16	23	34	16	24	30	18	14	21	30	36	25	23	8	19	11	2	7	-	2	5	2	2	5	8	11	25	392
221	-	-	-	-	1	-	-	-	-	-	1	2	3	1	2	6	4	2	3	3	4	4	8	12	24	24	16	101
222	1	2	-	-	-	-	-	-	1	-	-	1	-	-	2	3	-	2	-	-	1	2	3	5	3	3	13	29
223	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
224	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	

Table 2-8

SC	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	NY	CQ
225												1										1					2	2
226	-	-	-	-	-	-	-	-	-	-		3	3	1	1	3	3	1	2	2		1	1	7	4	3	(14)	(35)
227	1	14	6	8	19	21	20	25	14	24	16	12	10	2		1								1		16	194	
228											1	1										1		1	2	5	6	
229	52	52	53	51	53	54	57	55	47	60	62	64	64	67	67	67	65	65	66	65	62	66	68	63	65	59	26	1569
230			1	3	1	4	11	15	21	23	24	25	42	52	49	51	36	38	38	37	43	42	45	47	56	55	24	759
231	-	-	-	-	-	-	-	-	-	-						1	2	3	1			7	1	1	3		(8)	(19)
232	18	29	30	29	50	46	34	47	36	49	44	39	46	40	38	40	22	1	1	42	1	3	5	4	4	5	26	703
233	11	11	15	12	14	14	12	9	6	11	8	8	6	3	8	4	4	2	2	1	5	2	1	3	3	5	26	180
234	4	5	4	1	2	3	4			3	6	2	3	1	5	12	3	5	5	1	2	2	1	2	1	4	24	81
235	8	18	16	18	23	21	19	13	8	9	9	11	14	4	6	6	2	3	1	5	5	1	3	3		24	226	
236													1	1					1							1	4	4
237															1												1	1
238					1																						1	1
239			1		1																						2	2
240	1		2		2				1	1	1	1	1					1								9	11	
241																								1			1	1
242		2	1		1	1					1		1		1	1							1			9	10	