

Chinese Remainder Theorem



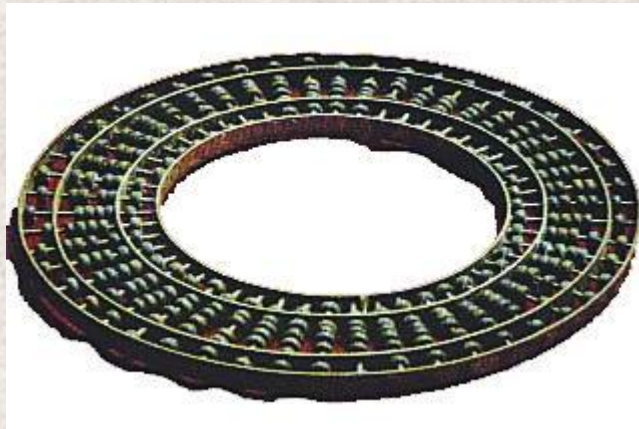
起舞弄清影
何似在人間



Three people walk together in seventy, with twenty one plum blossoms on five trees, and seven children reunite on the first half of the first lunar month. Only one hundred and five can obtain it.

$$70 \times 2 + 21 \times 3 + 15 \times 2 = 233$$

$$233 - 105 \times 2 = 23$$





Chinese Remainder Theorem:

Let m_1 , m_2 , m_3 be prime to each other a_1 , a_2 , a_3 be integers, there exists an element x , such that

$$***$x \equiv a_1 \pmod{m_1},$***$$

$$***$x \equiv a_2 \pmod{m_2},$***$$

$$***$x \equiv a_3 \pmod{m_3}.$***$$

and $x \pmod{m_1 m_2 m_3}$ is unique.





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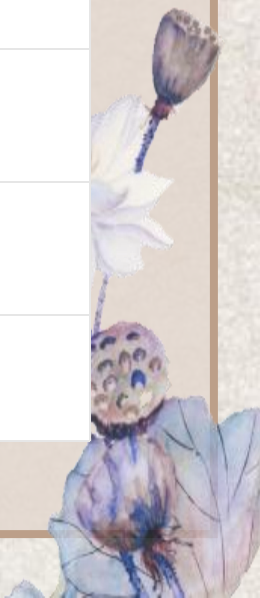
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$$(1*9+1*8+1*3+1*2+1*2+1*6) + (3*7+3*7+3*0+3*1+3*2+3*0) = 81$$

$$81/10=8, \text{ remainder } 1, 10-1=9$$




ISBN?

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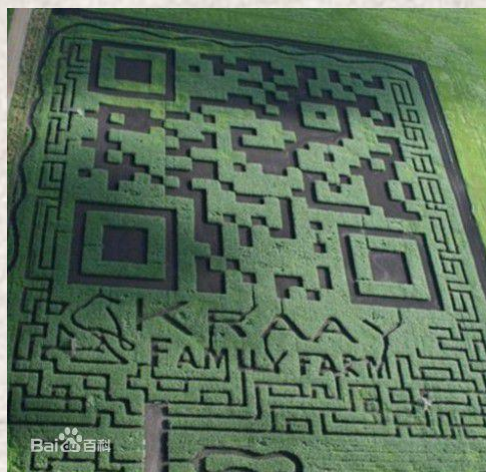
Bar code

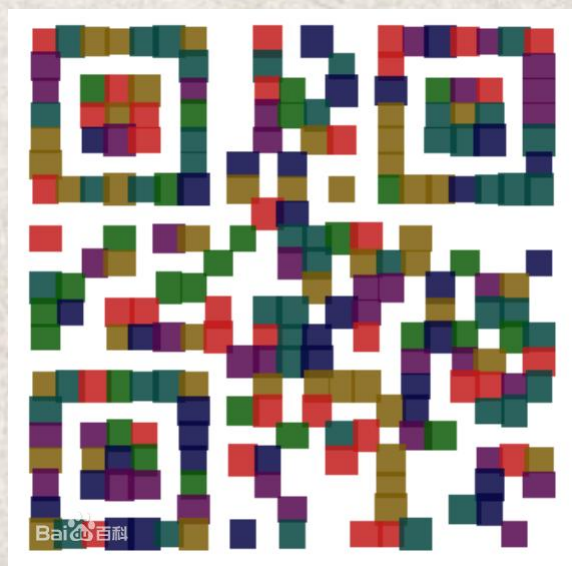




2-dimensional bar code







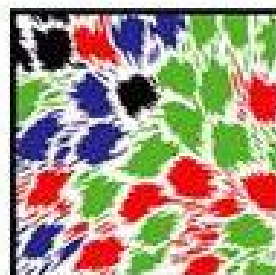
永远爱你





Sankei Co. Ltd.

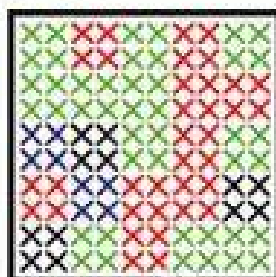
Origin



Sankei Co. Ltd is using these codes, which captures four aspects of their company.

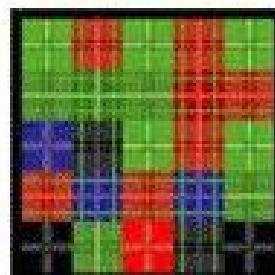
1. Starting point
2. Going back to the basic
3. Sending out message
4. Tradition.

Folklore



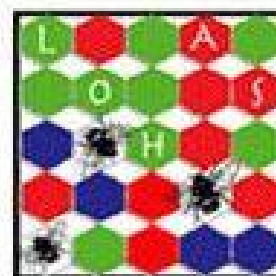
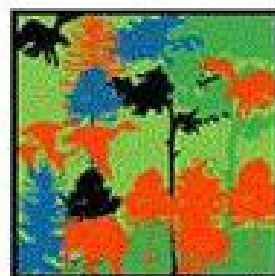
These designs are based on ethnic and tribal costumes from Around the World.

Modern Classic



The design is a contemporary version of classic and modern age.

LOHAS



These designs emphasize a healthy and consistent lifestyle.





Other codes

