

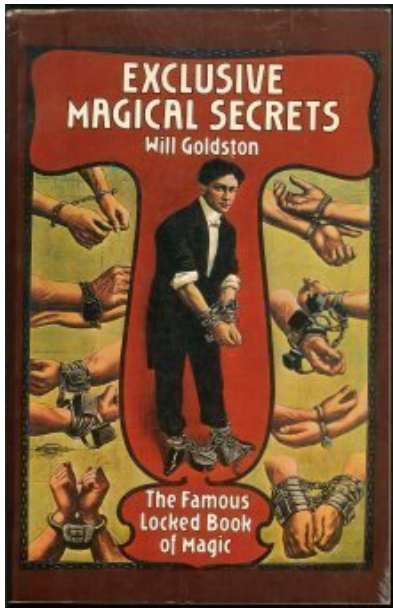
# Sztuczki, gierki i teoria Ramseya

Piotr Dyszewski

Uniwersytet Wrocławski



Raffaele Chevalo (1885 – 1964)



THIS BOOK IS DEDICATED  
TO  
**HARRY HOUDINI,**  
WHOSE BRILLIANT MAGICAL WORK HAS EARNED FOR  
HIM, BOTH AS A PERFORMER AND AS A WRITER,  
THE ADMIRATION OF THE WHOLE WORLD,  
WHOSE FRIENDSHIP HAS LONG BEEN ONE OF MY  
MOST VALUED POSSESSIONS,  
WHOSE WISE COUNSEL HAS HELPED ME  
AT MANY IMPORTANT STAGES OF MY CAREER,  
AND WHOSE NAME I HONOUR AS  
THAT OF A GREAT ARTIST  
AND A GREAT MAN.

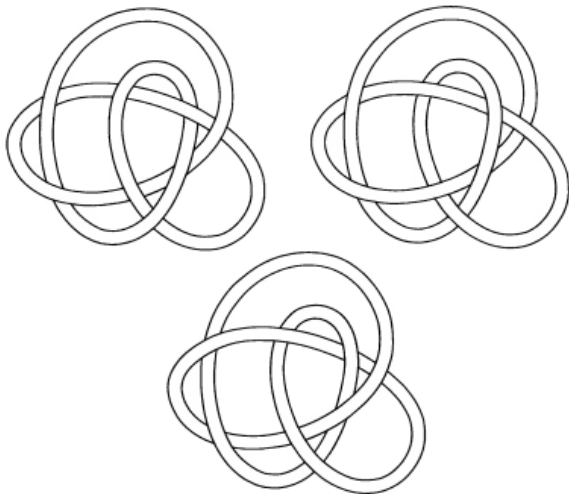
*Will Goldston.*

**PART I.**

**Pocket Tricks.**

	PAGE.
THE CHEFALO DISAPPEARING KNOTS - - -	26
A LOOP OF STRING AND A FINGER - - -	30
CAUGHT WITH A LOOP - - - - -	32
FROM HAT TO HAT - - - - -	34
THE HANDKERCHIEF AND THE WAND - - -	36
THE MESMERISED MATCH BOX - - - - -	39
THE MYSTIC MATCHES - - - - -	41
A NEW MATCH TRICK - - - - -	43
THE ANIMATED CIGAR - - - - -	44
THE COIN AND THE GLASSES - - - - -	46
THE MISSING SIXPENCE - - - - -	47

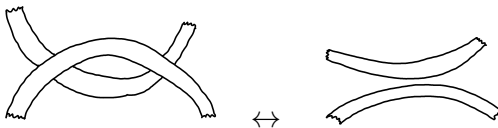
## Diagram węzła



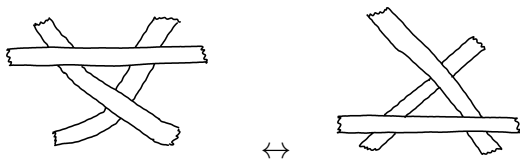
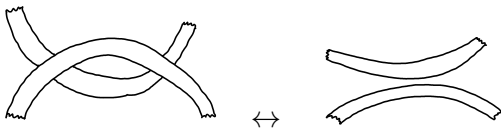
# ruchy Reidemeistera

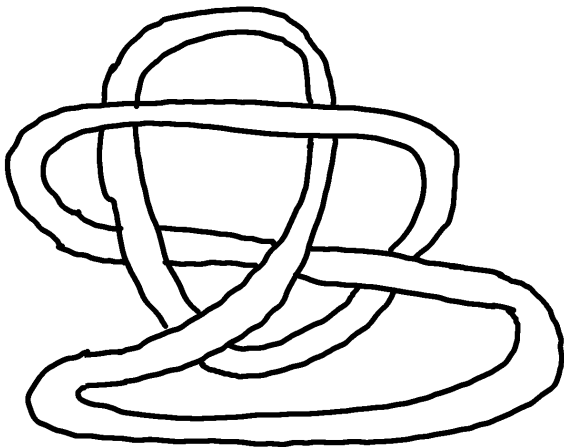


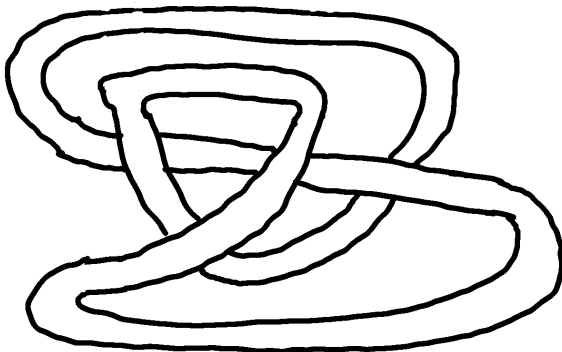
# ruchy Reidemeistera

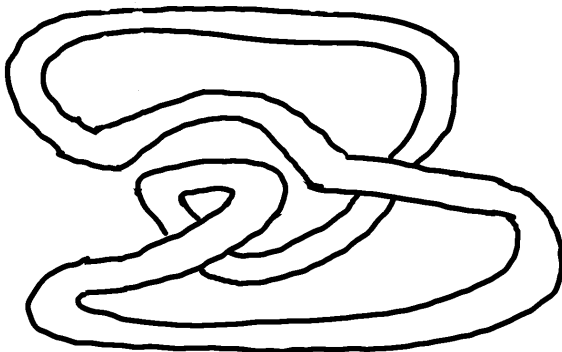


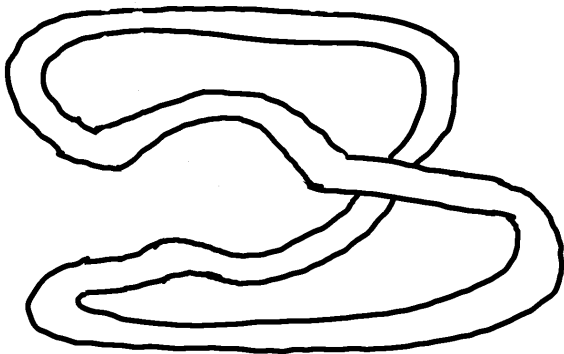
# ruchy Reidemeistera

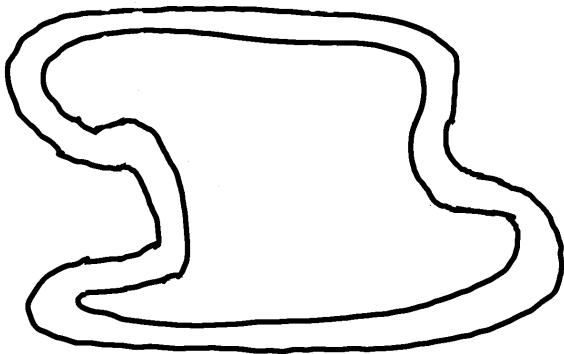








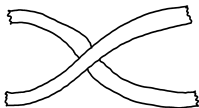




Warunki trójkolorowania:

W każdym przecięciu:

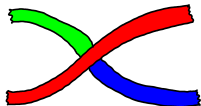
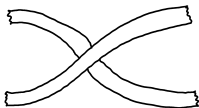
- albo wszystkie trzy łuki spotykające się w tym punkcie mają różne kolory,
- albo wszystkie trzy mają ten sam kolor.



Warunki trójkolorowania:

W każdym przecięciu:

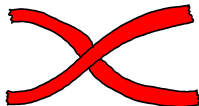
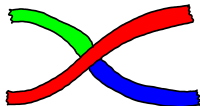
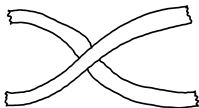
- albo wszystkie trzy łuki spotykające się w tym punkcie mają różne kolory,
- albo wszystkie trzy mają ten sam kolor.



Warunki trójkolorowania:

W każdym przecięciu:

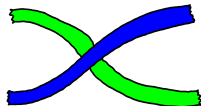
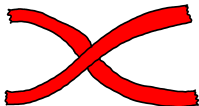
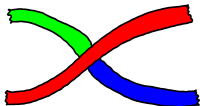
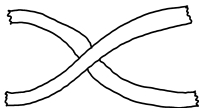
- albo wszystkie trzy łuki spotykające się w tym punkcie mają różne kolory,
- albo wszystkie trzy mają ten sam kolor.



Warunki trójkolorowania:

W każdym przecięciu:

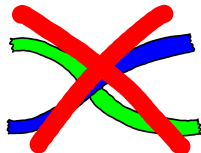
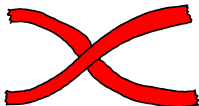
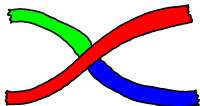
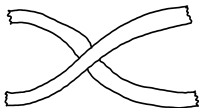
- albo wszystkie trzy łuki spotykające się w tym punkcie mają różne kolory,
- albo wszystkie trzy mają ten sam kolor.

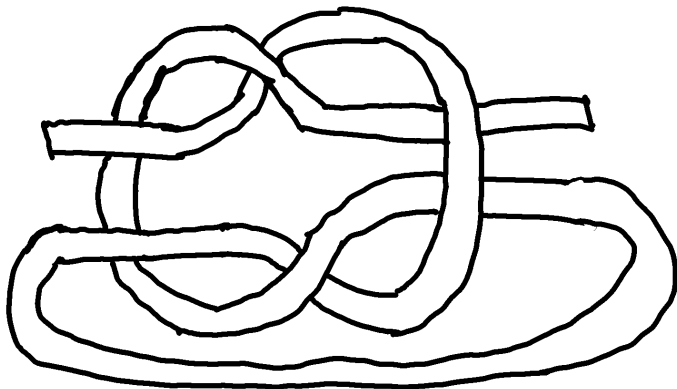


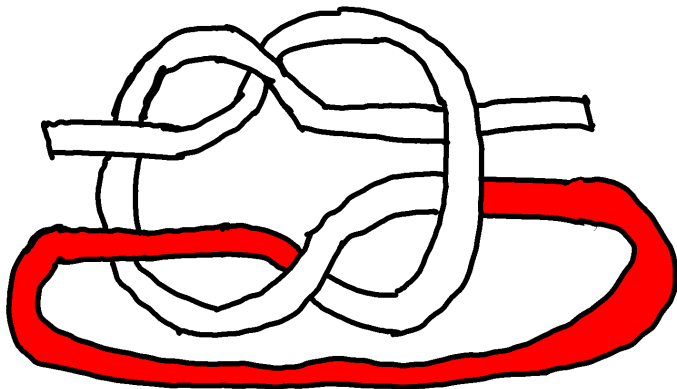
Warunki trójkolorowania:

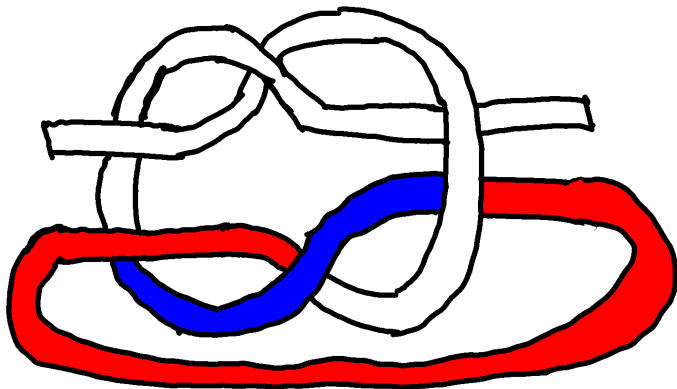
W każdym przecięciu:

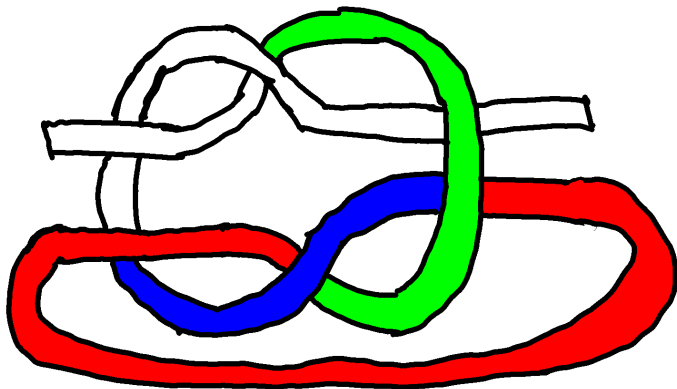
- albo wszystkie trzy łuki spotykające się w tym punkcie mają różne kolory,
- albo wszystkie trzy mają ten sam kolor.

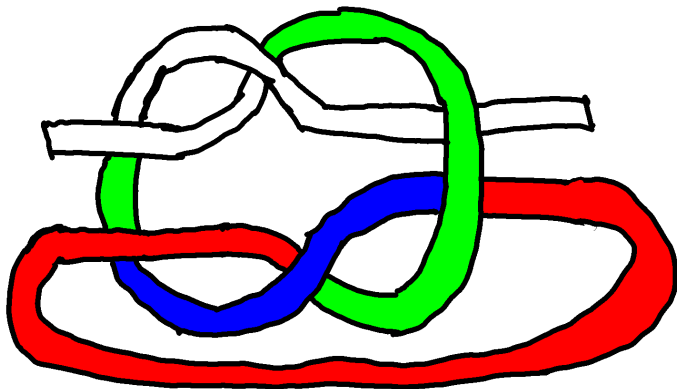


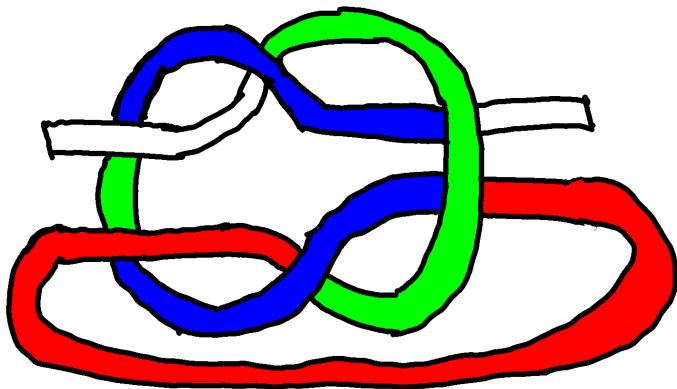


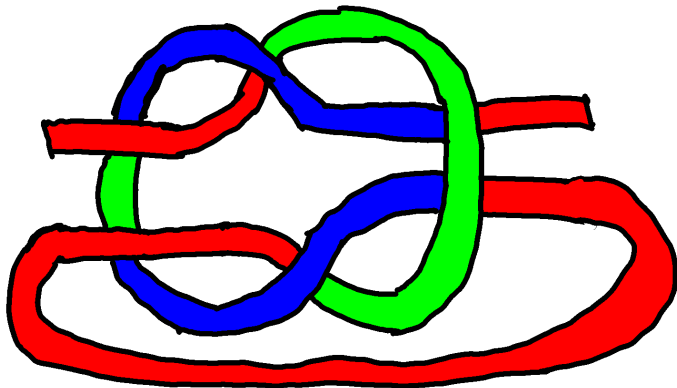


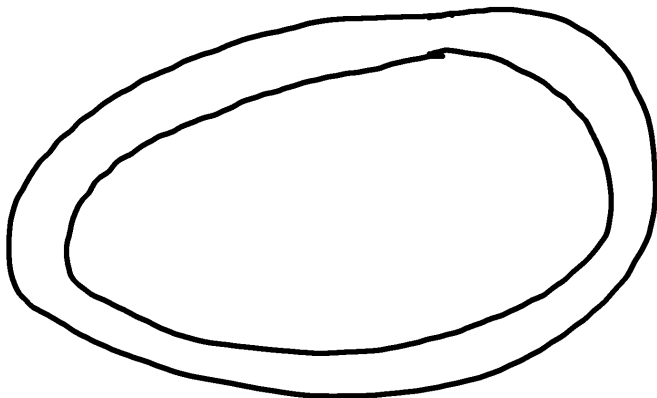


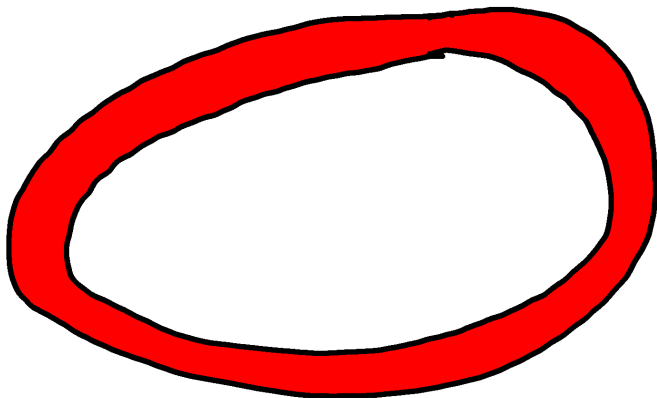


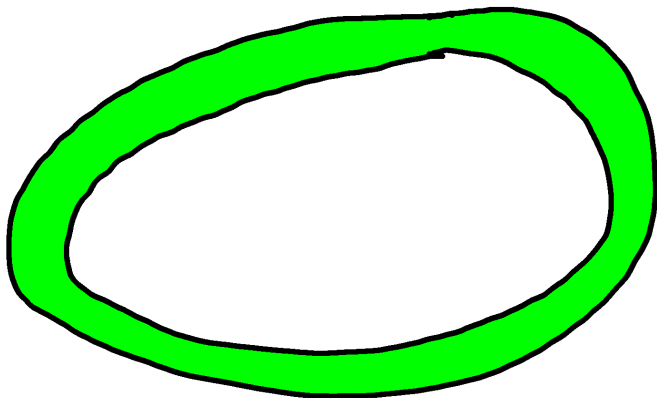


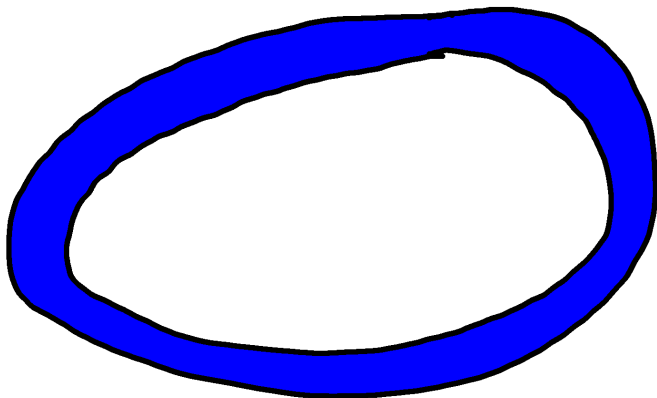




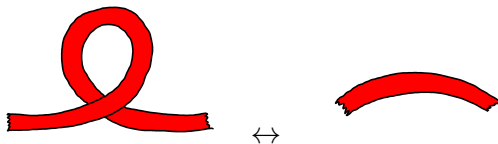
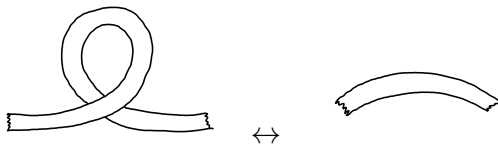




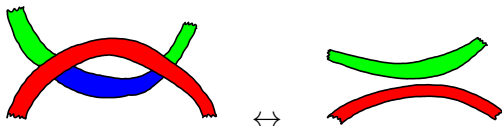




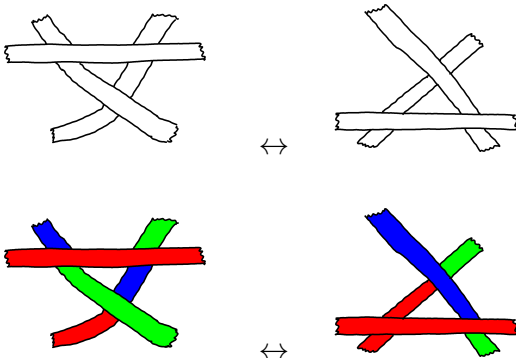
# ruch Reidemeistera 1:



## ruchy Reidemeistera 2:

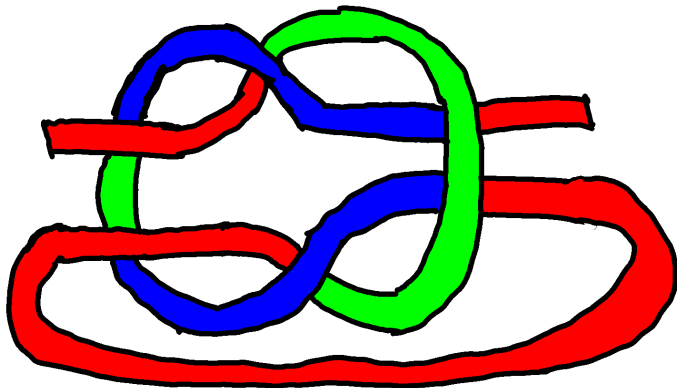


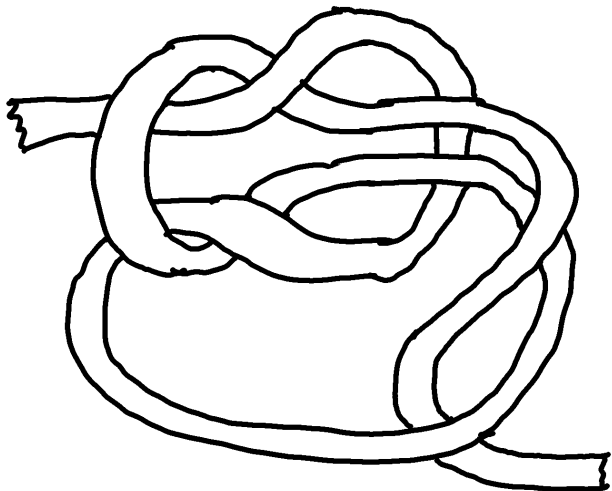
### ruchy Reidemeistera 3:

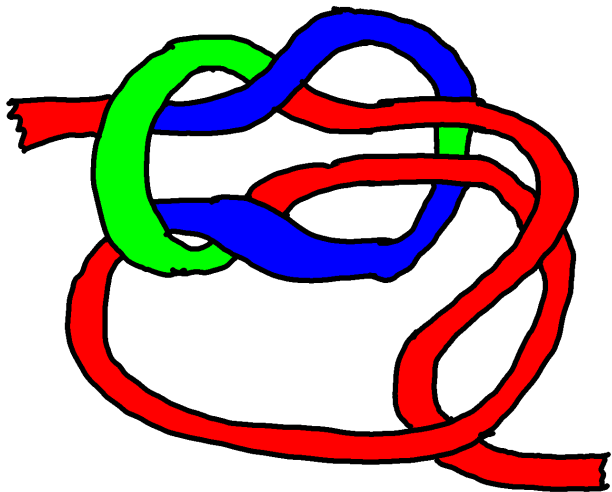


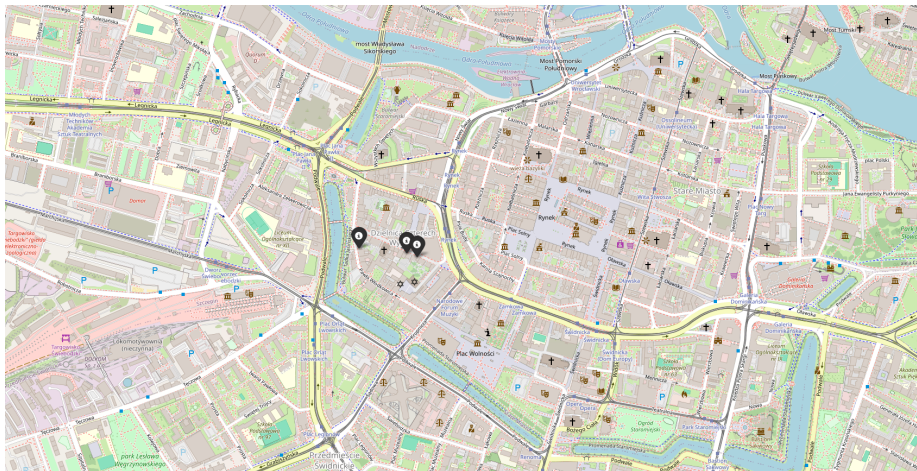
## Twierdzenie

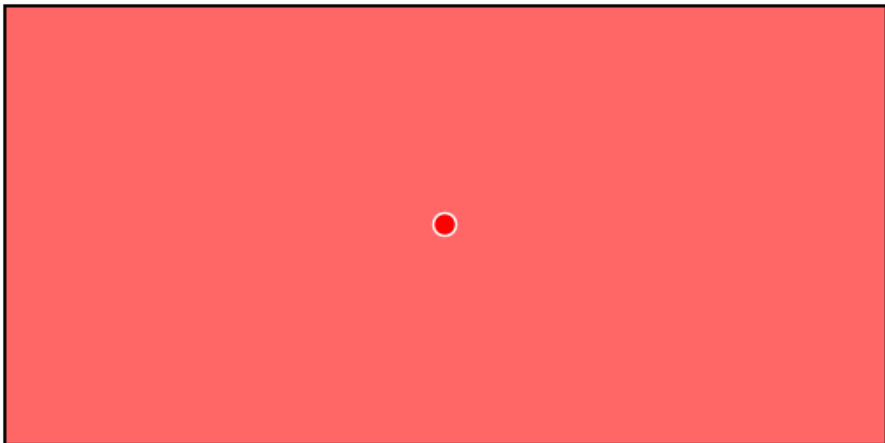
Jeżeli diagram posiada nietrywialne kolorowanie, to nie przedstawia on pętli.

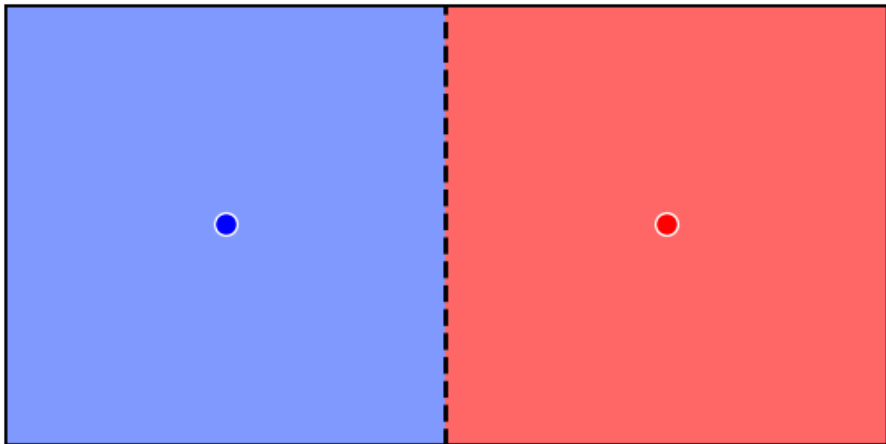


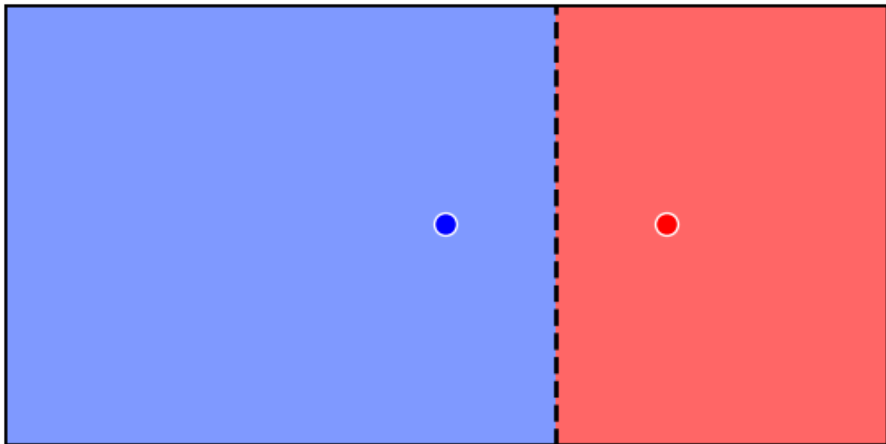


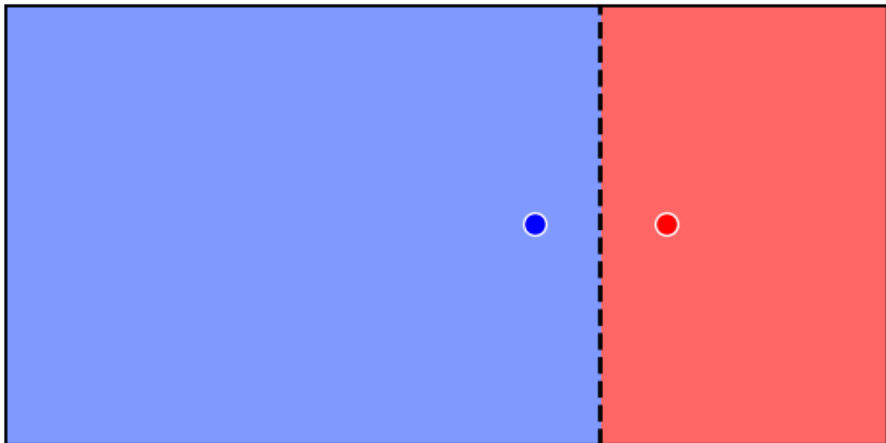


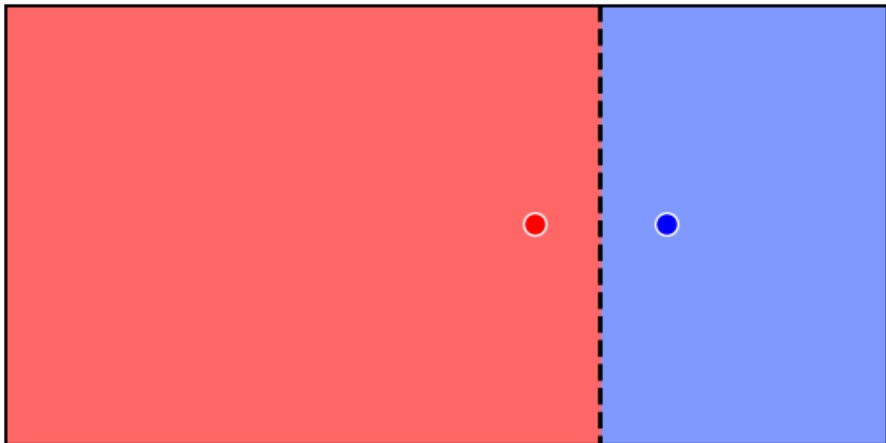


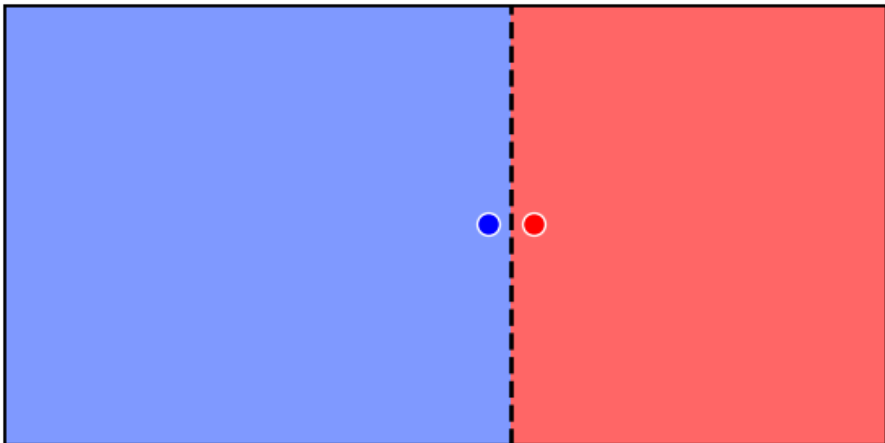


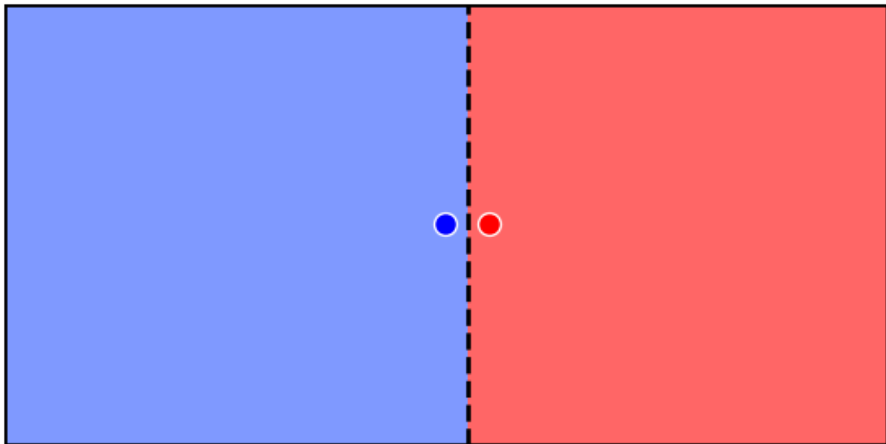


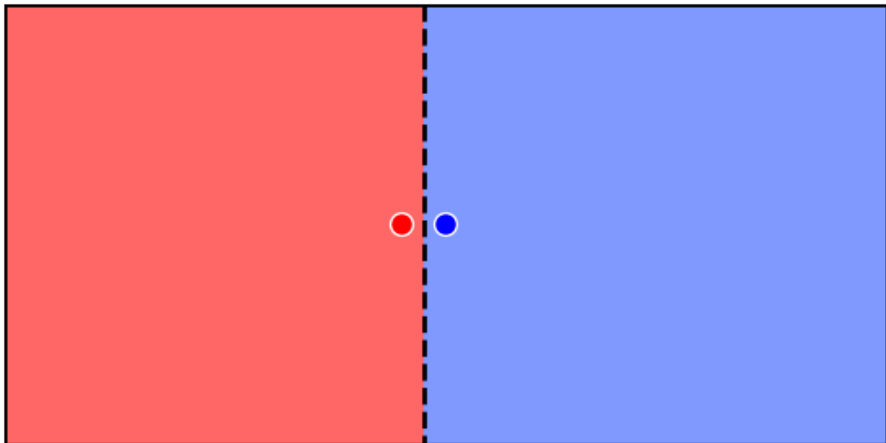


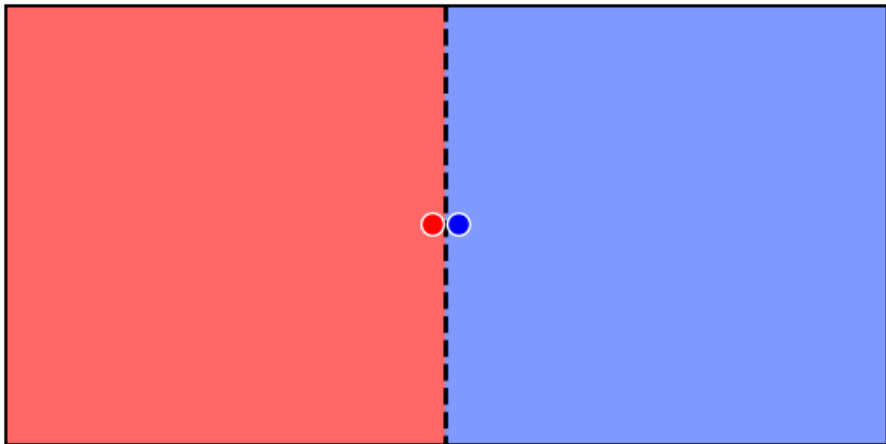




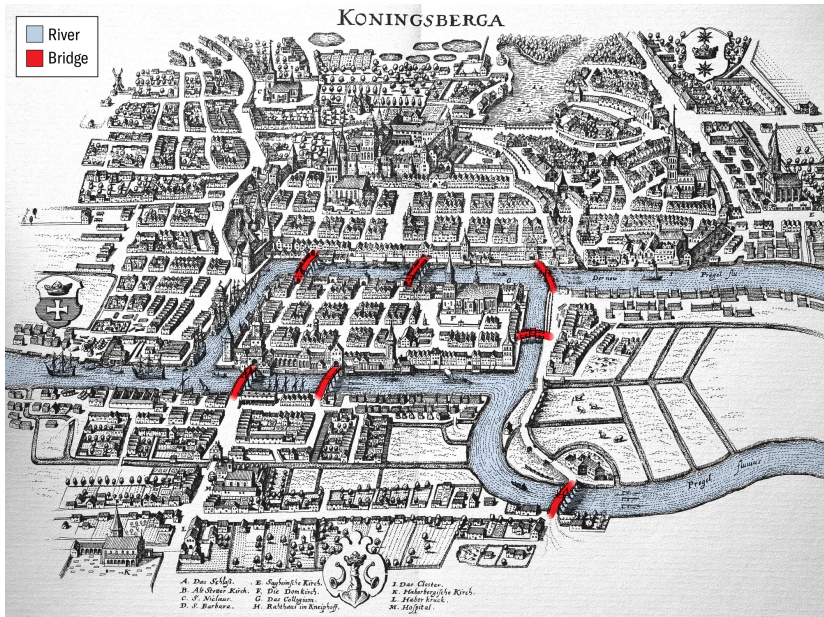




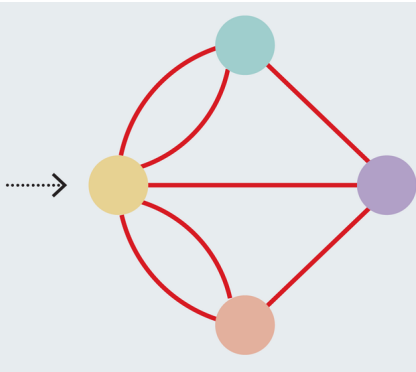
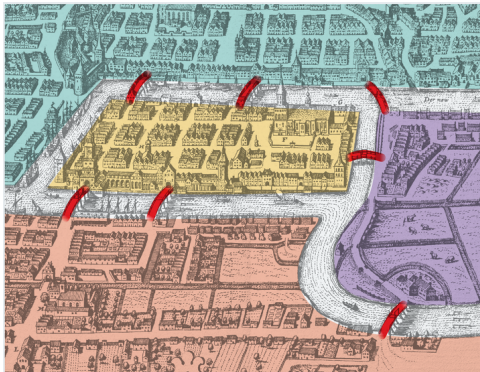


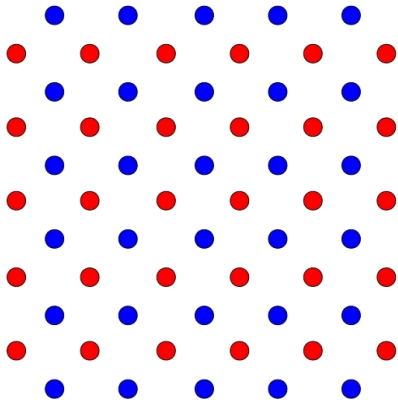


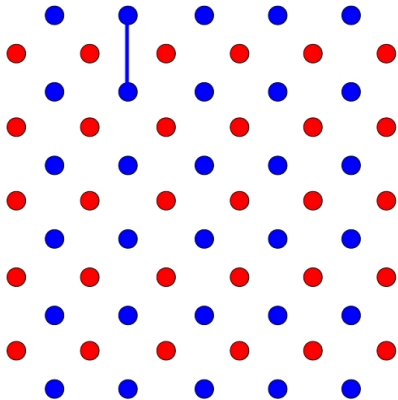
# KONINGSBERGA

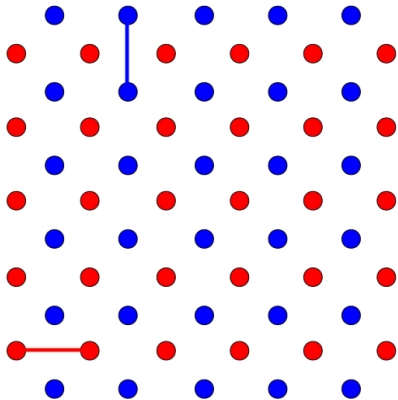


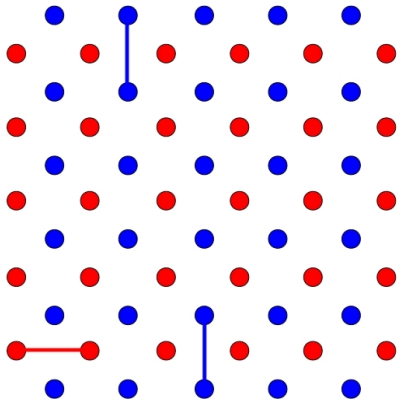
- |                      |                           |                           |
|----------------------|---------------------------|---------------------------|
| A. Das Schloß.       | E. Sophienke Kirch.       | I. Das Closter.           |
| B. Abt Steyer Kirch. | F. Die Dom Kirch.         | K. Heckerbergische Kirch. |
| C. St. Nikolae.      | G. Das Collegium.         | L. Heckerkrack.           |
| D. St. Barbara.      | H. Rathhaus im Kneiphoff. | M. St. Nikolai.           |

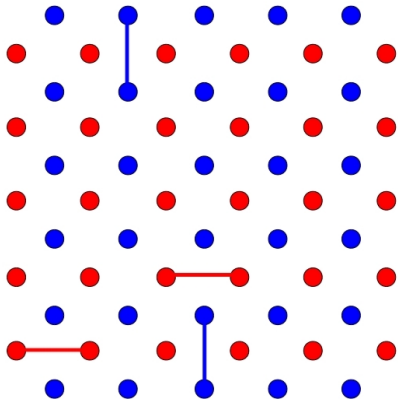


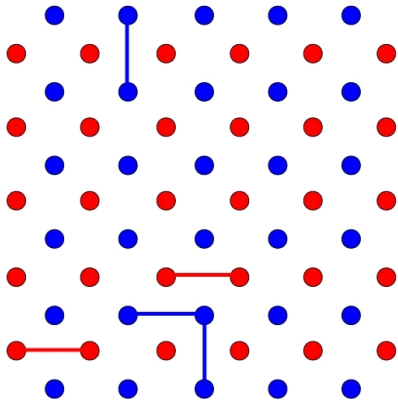


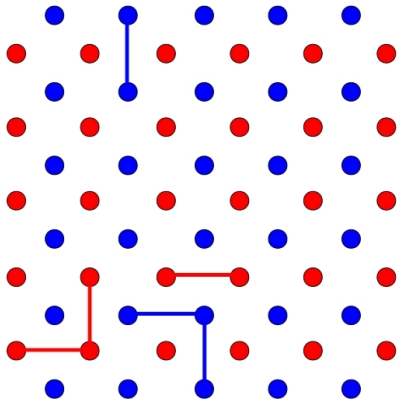


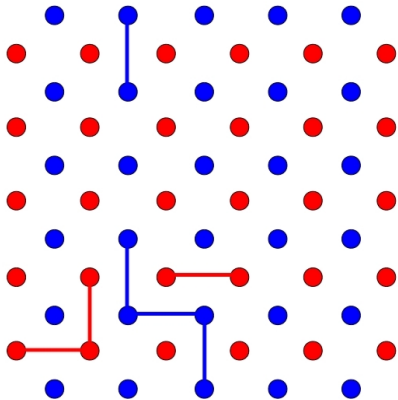


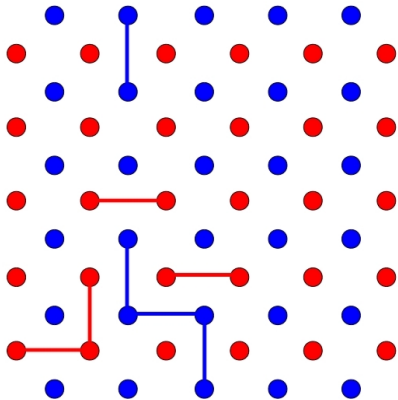


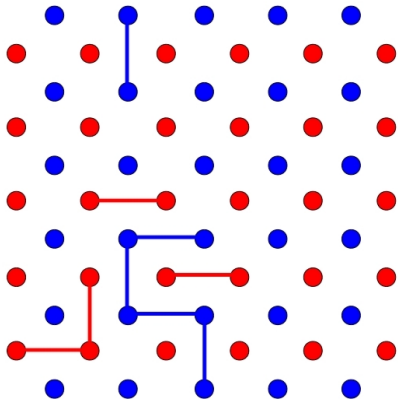


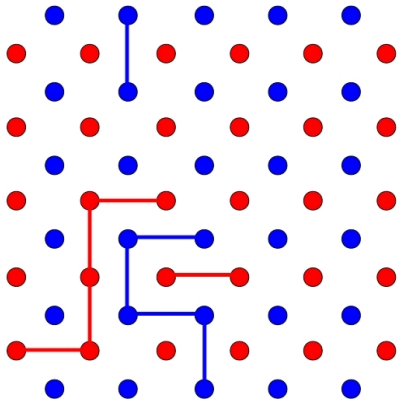


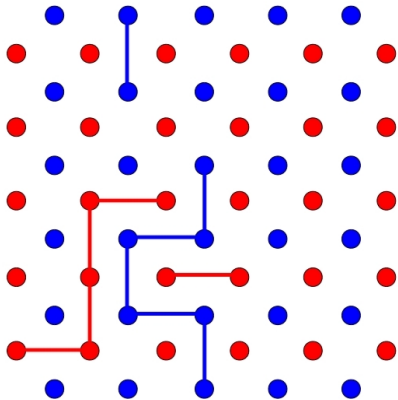


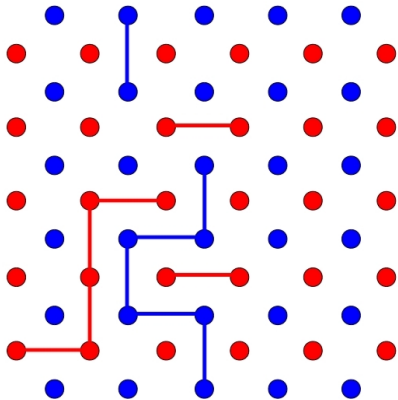


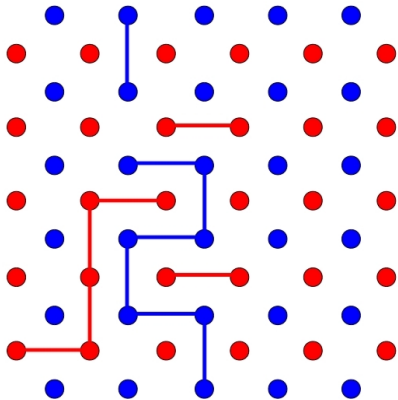




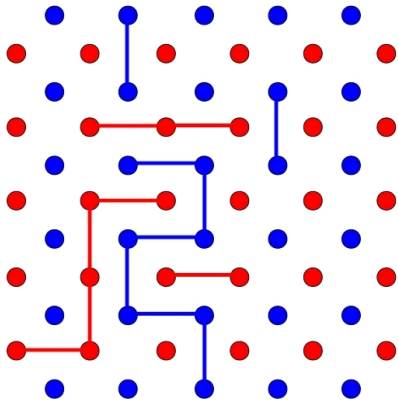


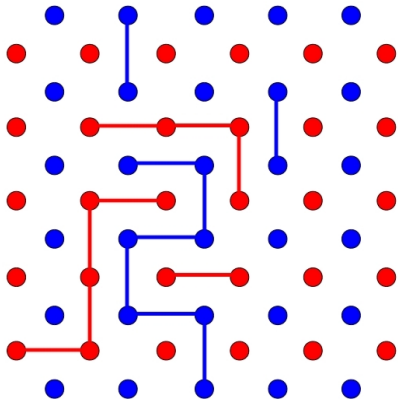


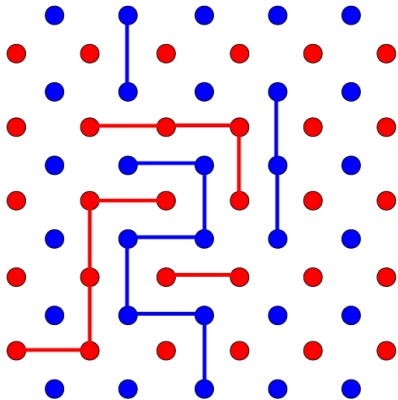


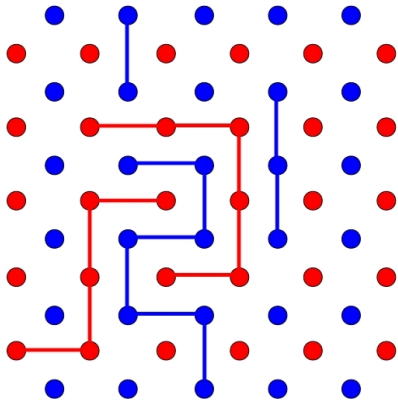






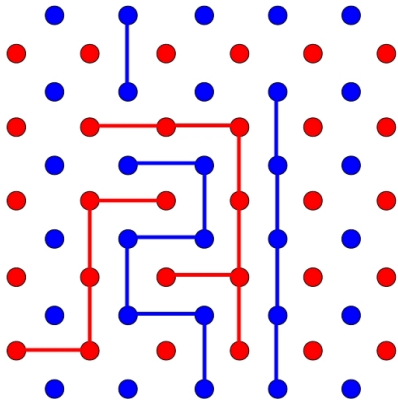


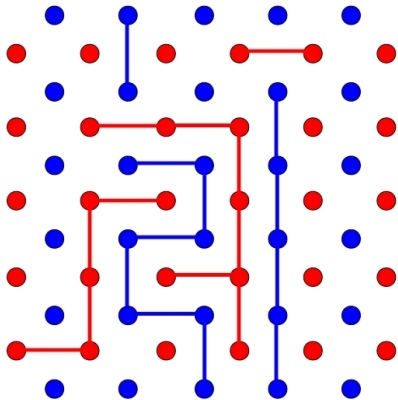


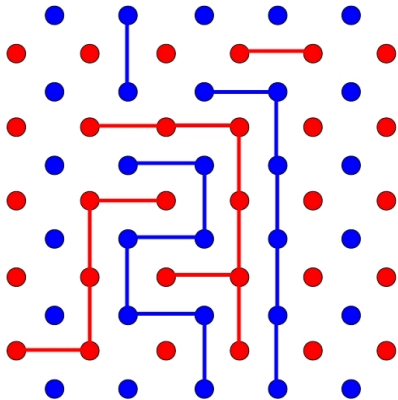


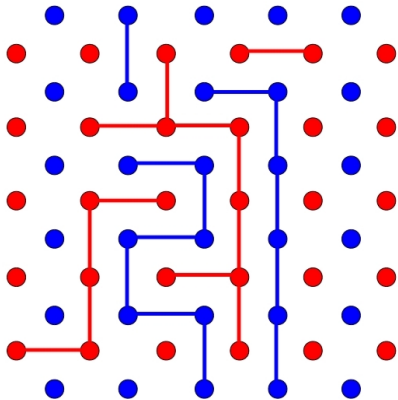


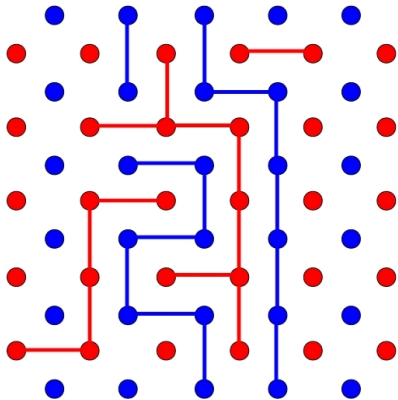


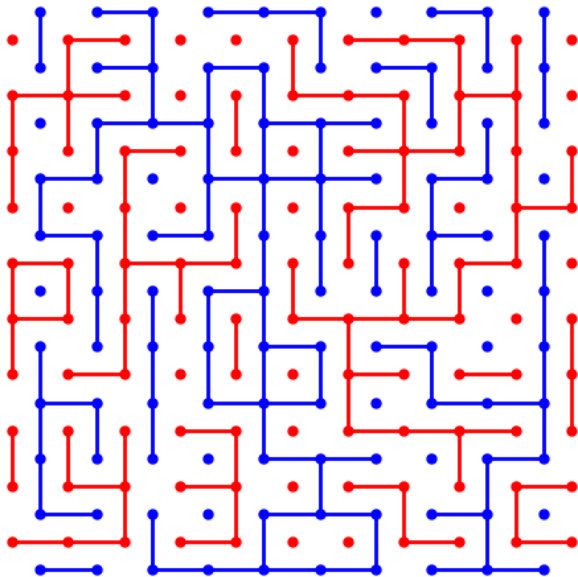












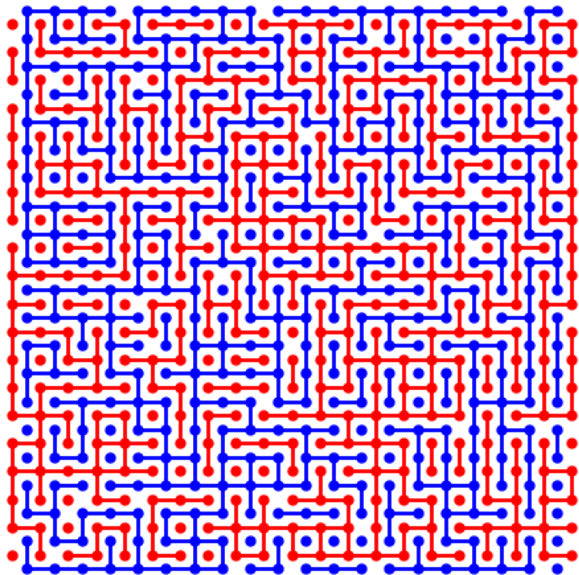


Diagram shows a section of prehistoric monuments in Wiltshire, which lie on a geometric grid used by Ancient Britons for navigation

- 573: Silbury Hill
- 156: Oldbury Camp
- 381: Marlborough Downs
- 179: Rybury Camp, Marlborough
- 357: The Giant's Grave, Oare
- 547: Merlin's Mound, Marlborough
- 9: Barbury Castle, Chisledon

