

Overripe-problems'

Session





ripe



overripe



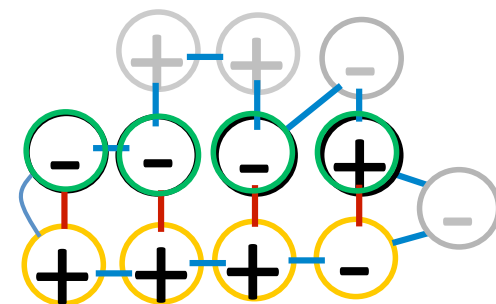
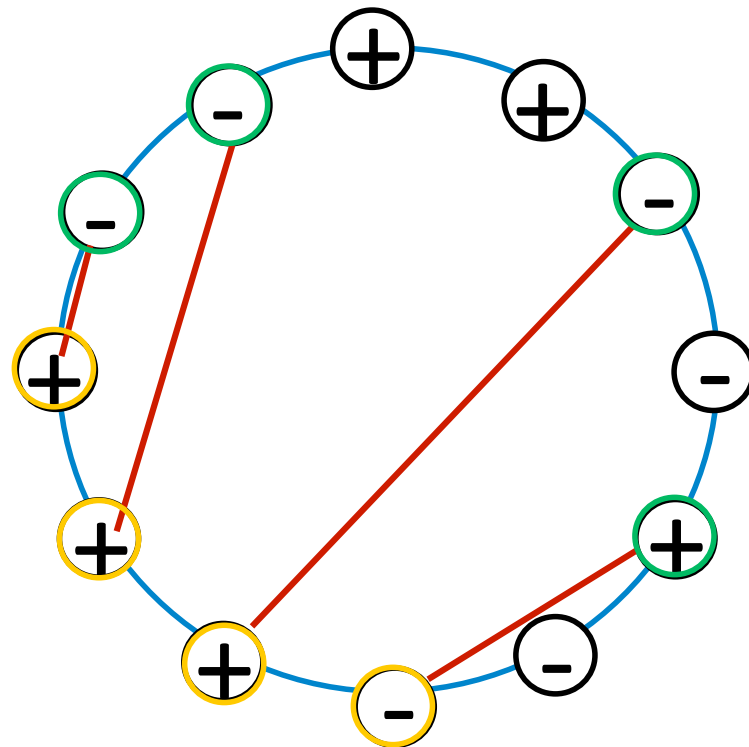
kernel



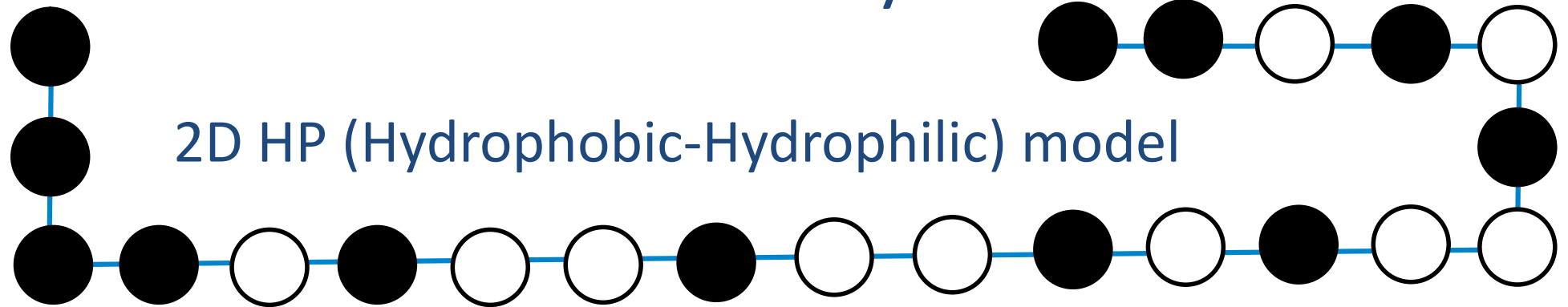
1. Folding 2/3 of a +- necklace

Conjecture 1: Given a cyclic binary (alphabet={+, -}) sequence, where the number of « + » = number of « - », then there exists a subsequence of the form $x, -x$ reversed, i.e. a 'folding', containing at least 2/3 of the elements.

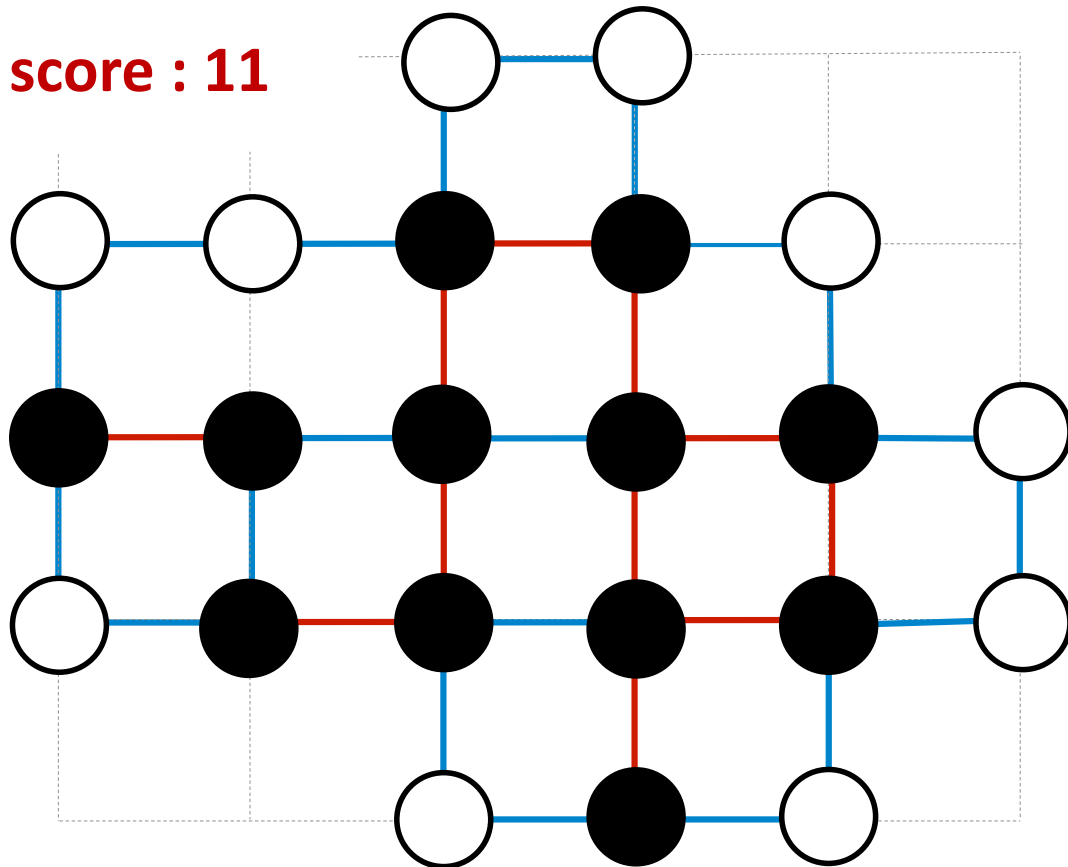
Example:



History

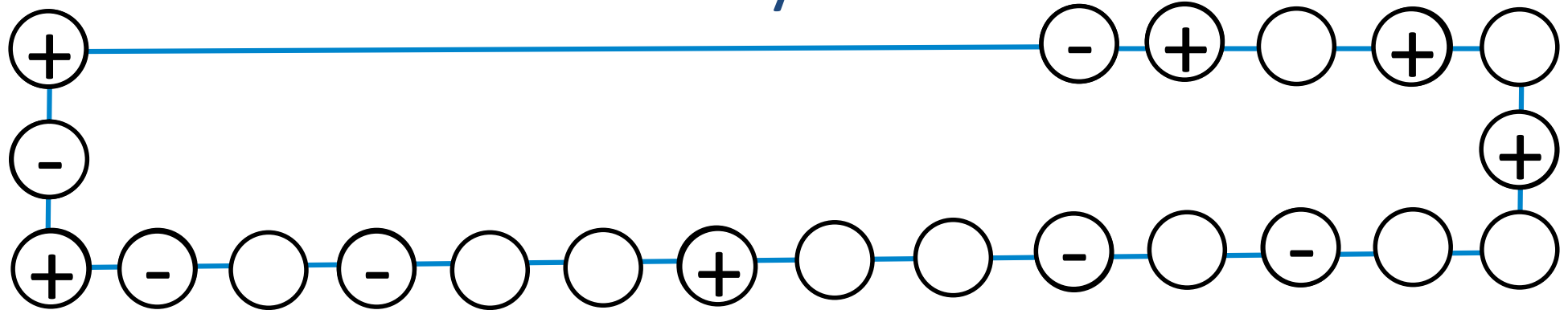


score : 11



Alantha Newman (2002):
1/3-approximation

History cont'd



score ≥ 5

Gaëlle Giberti, Myriam and I ~2004 :

Conjecture on folding with $2/3$ contacts

In 2006, Frédéric Meunier and Stéphane Viallette wrote :

Lingsø, Pedersen (1999) states it !

Many remarks, ideas, among them:

Maximization $\in P$. But $\geq 2n/3$ resists !

