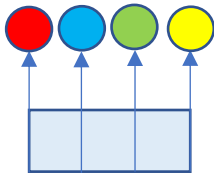
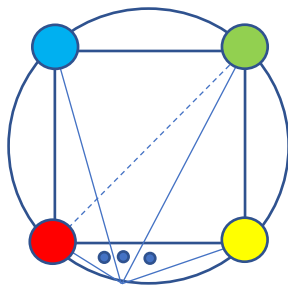


Resolving the tower paradox

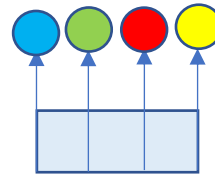
When two competent observers disagree about X , it usually transpires that one is talking about W , the other about Y . To point the difference, we shall ask Bert to tie coloured balloons to the crockets. We give elevations at the top, plan views below. Notice the different order in which the balloons appear.



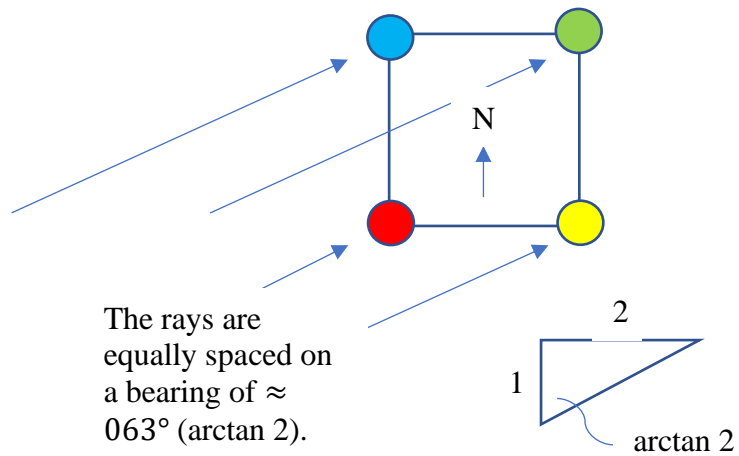
Bert's view



The locus of Bert's observation points is the circumcircle of the square. By the same segment theorem all the angles marked are 45° .



Ernie's view



The rays are equally spaced on a bearing of $\approx 063^\circ$ ($\arctan 2$).