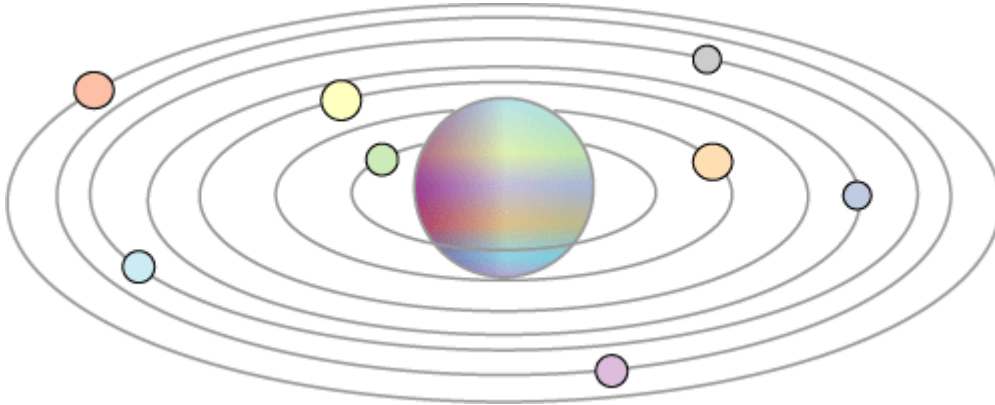




The Moons of Vuvv

The planet of Vuvv has 7 moons which lie spread out on one plane in a great disc round it. These Vuvvian moons all have long and confusing names so scientists usually call them by their initials: *A*, *B*, *C*, *D*, *E*, *F* and *G* starting from the nearest one to the planet.



When two of these moons line up with the planet it is called a 'lunar eclipse'. When three line up with the planet it is called a 'double eclipse', when four do it is a 'triple eclipse' and so on. Once in a while all seven moons line up with the planet and this is called a 'super-eclipse'.

Moon *A* completes a cycle round the planet in one Vuvvian year, moon *B* takes two years, moon *C* takes three years, moon *D* takes four years and so on.

How long is it between each 'super-eclipse' on the planet of Vuvv?