6. To prove that the only prime triple is 3,5,7. Let's assume p is a prime number. For a prime triple to exist, p p+2 & p+4 must all be primes & PEN. But, we have just seen (frollens) that one of p, p+2, p+4 are a lays divisible by 3. Hence P, p+2, p+4 cannot all be primes p or p+2 are themselve 3 canal to 3 (: P+4 > 3 (* PEN)) But for p+2 to be canal to 3, b should be 1 , which is not a prime by definition. Therefore p has to be equal 63. .. The only prime bulble is 3 (=b), 5 (=p+4).