

entry:

$c = tid \% 2$
($c == 0$) ?

then:

$m = tid * 1000$
 $a = tid + 1$
 $d1 = \text{divide}(m, a)$

else:

$m1 = tid * 2000$
 $a1 = tid + 2$
 $p = \text{read}()$
 $p1 = p * a1$
 $d2 = \text{divide}(m, a)$
 $\text{print}(p1)$

end:

$R = \text{phi}(d1, d2)$
 $\text{print}(R)$