$$m = 177^2 - 50^2 = \frac{127}{12} \cdot \frac{227}{2}$$

$$m = 1/111$$

 $A \cdot l = 1 \pmod{9M1}$ $5 \times l = 1 \pmod{29476}$ $2344 = (1.0) \times 5 = (0.1)$ $2844 = 5 \cdot 5695 + 1 \Rightarrow X_1 = (1.0) - 5695(0.1) = (1.5695)$ $1 = 28476 + (-5695) \cdot 5 \Rightarrow 5^{-1} = 5695 \text{ In } 228476 \Rightarrow 4 = -5695 = 27781$

D = 11111 21781 (mod 28829) = 7003

3)
$$A = 1223$$
 $A = 1823$
 $A = 18$

965 = 478.17127

187 = (-359, 919) - (693, -1774) = (-1052, 2693)

778=187.4+30

 $\chi_{30} = (693, -1774) - 4(-1052,7693) = (4901, -17546)$

187=30.6+7

 $X_{4} = (-1052, 2693) - ((4901), -12546) = (-30.458, 77969)$

30=7.412

X2=(4901,-12546)-4(-30458,77969) =(126733, -324422)

7=2-3+1

 $\chi_1 = (-30458, 97969) - 3(126733, -324422)$ = (-410657, 1051295)

ぬ=1051235

1051235

(mod 2430101) = 153337D= 1070777