- 1.) numărul minim de papo : 1 pat (când un numor este multiplul celuinumărul maxine de papi : 11-1 papi (11 fiind numărul mai man distribul cele d'ouă)
- 2) numărul de operații elementare = numărul de împortiri cu rest ( Notăm cu k)
- 3) numărul de operatii elimentare pentru algorithme extris =

  numărul de importiri (h) + calculul conficiențelor la fie care împortire

  = 3 k

  (2k)

6) 
$$x.(48901, 10387) = 1$$
 $48901 = (1.0); 10987 = (0.1)$ 
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- =) 1 = (-4076)· 78901 + 292+1·10987
- 7. inverse modular al lui 12 modulo 19.  $12 \times \pm 1 \pmod{19} = 12^{-1} \pmod{19} = 8$

$$(12,19) = 1$$

$$19 = (1,0); 12 = (0,1)$$

$$19 = 1 \cdot 12 + 7$$

$$12 = 1 \cdot 7 + 5$$

$$13 = (1,0) - (0,1) = (1,-1)$$

$$12 = 1 \cdot 7 + 5$$

$$13 = (0,1) - (1,-1) = (-1,2)$$

$$13 = (1,0) \cdot (0,1) = (1,-1)$$

$$13 = (1,0) \cdot (0,1) = (1,0)$$

$$13 = (1,0) \cdot (0,1)$$

$$13 = (1,0$$

- suma function Euler P(d) pt toti divitorii d ai lui 4.  $\sum_{\text{div}} Y(d) = n$ n esti egala cu u Fie ne un wr. Ditieg positive, fied divisorii lui ne Construire multimea numeralor de la 1 la 11: X1,2,..., 11} Grupan numerale de clase de resture modulo d'astfil: doiliziono deito dasationo sadeito en de medeiseno me 13. Obs cà acusti numere sount disjuncte se acop. toatà nul Hmaq 41,2,... uz Obs. cà numarul total de astfel de grupusi esti N/d. Fiecare grup cartine exact (ch) numere prime en d. Daca pareurgen top divizori d'ai lui n, at fiecare numer le din multimea 1,2,... n apar exact odata Juti-un astfu de grup Astfel, we total de mr. este sund. En P(d) = m. Exemplu: n=8, calcular suma \( \frac{1}{a112} \) \( \text{(d)} \) divitorii lui 8 sunt: 1,2,4,8 in the Calledon of the P(1)=1 - 414 are desiry all of or a le Y(2)= 1 -> 114 - + ... - ' م بي د ر**د** الكارة الكارة ا 1 6 . . . . 4(4)=2 - 41,34 ata - peritorially and S Y(8) = 4 → 11,3,5,7}  $\sum_{d|12} Y(a) = 1 + 1 + 2 + 4 = 8$ 

\* L-12 0 2 1-15 A 2 1-12 7 3 1 2 A-1

VI DESH : (3,10 5 )

With a refine a block on Re

こうごうまけいれん マンガシャル メ

1 = 1 - 1 - 17

terita ... Topologica

a f. 2 ,