HackerRank

[Hàm, Lý Thuyết Số]. Bài 7. Cặp số nguyên tố cùng nhau

Hãy liệt kê các cặp số nguyên tố cùng nhau và có giá trị khác nhau trong đoạn [a,b] theo thứ tự từ nhỏ đến lớn.

Input Format

Chỉ có một dòng ghi hai số a, b

Constraints

1<=a<=b<=1000

Output Format

Các cặp số i,j thỏa mãn được viết lần lượt trên từng dòng theo định dạng (i,j), theo thứ tự từ điển.

Sample Input 0

5 46

Sample Output 0

```
(5, 6)
(5,7)
(5, 8)
(5,9)
(5, 11)
(5, 12)
(5, 13)
(5, 14)
(5, 16)
(5, 17)
(5, 18)
(5, 19)
(5,21)
(5, 22)
(5, 23)
(5, 24)
(5, 26)
(5, 27)
(5, 28)
(5, 29)
(5,31)
(5,32)
(5,33)
(5,34)
(5, 36)
(5,37)
(5,38)
(5,39)
(5,41)
(5, 42)
(5, 43)
```

(5, 44)(5, 46)(6,7)(6, 11)(6, 13)(6, 17)(6, 19)(6,23) (6,25) (6,29) (6,31) (6,35) (6,37) (6,41) (6,43) (7,8) (7, 9)(7, 10)(7, 11)(7, 12)(7, 13)(7, 15)(7, 16)(7, 17)(7, 18)(7, 19)(7,20)(7, 22)(7, 23)(7, 24)(7, 25)(7, 26)(7, 27)(7, 29)(7,30) (7,31) (7,32) (7,32) (7,33) (7,34) (7,36) (7,37) (7,38) (7,39) (7,40) (7,41) (7,43) (7,44) (7,45) (7,46) (8,9) (8,11) (8,13) (8,15) (8,17) (8, 19)(8,21) (8, 23)(8, 25)(8,27) (8,29) (8,31) (8,33) (8,35) (8,37) (8,39) (8,41) (8,43) (8, 45)(9,10) (9, 11)(9, 13)

(9, 14)(9, 16)(9, 17)(9, 19)(9, 20)(9, 22)(9,23) (9, 25)(9, 26)(9,28)(9, 29)(9,31)(9,32)(9,34)(9,35)(9,37)(9,38)(9,40)(9,41) (9, 43)(9,44)(9, 46)(10, 11)(10, 13)(10, 17)(10, 19)(10, 21)(10, 23)(10, 27)(10, 29)(10, 31)(10,33)(10, 37)(10,39)(10,41)(10, 43)(11, 12)(11, 13)(11, 14)(11, 15)(11, 16)(11, 17)(11, 18)(11, 19)(11, 20)(11,21) (11, 23)(11, 24)(11, 25)(11, 26)(11, 27)(11, 28)(11, 29)(11,30)(11, 31)(11, 32)(11, 34)(11, 35)(11, 36)(11, 37)(11, 38)(11,39) (11,40) (11, 41)(11, 42)(11, 43)(11, 45)(11, 46)(12, 13)(12, 17)(12, 19) (12, 23)(12, 25)(12, 29)(12, 31)(12, 35)(12, 37)(12,41)(12, 43)(13, 14)(13, 15)(13, 16)(13, 17)(13, 18)(13, 19)(13, 20)(13, 21)(13, 22)(13, 23)(13, 24)(13, 25)(13, 27)(13, 28)(13, 29)(13,30)(13, 31)(13, 32)(13, 33)(13, 34)(13, 35)(13, 36)(13, 37)(13, 38)(13, 40)(13,41) (13, 42)(13, 43)(13, 44)(13, 45)(13, 46)(14, 15)(14, 17)(14, 19)(14, 23)(14, 25)(14, 27)(14, 29)(14, 31)(14, 33)(14, 37)(14,39)(14, 41)(14, 43)(14, 45)(15, 16)(15, 17)(15, 19)(15, 22)(15, 23)(15, 26)(15, 28)(15, 29)(15, 31)(15, 32)(15, 34)(15, 37)(15, 38)(15, 41)(15, 43)(15, 44)(15, 46)(16, 17) (16, 19)(16, 21)(16, 23)(16, 25)(16, 27)(16, 29)(16, 31)(16, 33)(16, 35)(16, 37)(16, 39)(16, 41)(16, 43)(16, 45)(17, 18)(17, 19)(17, 20)(17, 21)(17, 22)(17, 23)(17,24) (17, 25)(17, 26)(17, 27)(17, 28)(17, 29)(17,30)(17, 31)(17, 32)(17, 33)(17, 35)(17, 36)(17,37) (17,38) (17, 39)(17, 40)(17, 41)(17, 42)(17, 43)(17,44)(17, 45)(17, 46)(18, 19)(18, 23)(18, 25)(18, 29)(18, 31)(18, 35)(18, 37)(18, 41)(18, 43)(19, 20)(19, 21)(19, 22)(19, 23)(19, 24)(19, 25)(19, 26)(19, 27)(19, 28)(19, 29)(19,30)(19, 31)(19, 32)(19, 33)(19, 34)(19, 35)(19, 36)(19, 37)(19, 39)(19, 40) (19,41)(19, 42)(19, 43)(19, 44)(19, 45)(19, 46)(20,21) (20, 23)(20, 27)(20, 29)(20, 31)(20, 33)(20, 37)(20, 39)(20, 41)(20, 43)(21, 22)(21, 23)(21, 25)(21,26) (21, 29)(21, 31)(21, 32)(21, 34)(21, 37)(21, 38)(21, 40)(21, 41)(21, 43)(21, 44)(21, 46)(22, 23)(22, 25)(22,27) (22,29) (22, 31)(22, 35)(22, 37)(22, 39)(22, 41)(22, 43)(22, 45)(23, 24)(23, 25)(23, 26)(23,27) (23, 28)(23, 29)(23,30)(23, 31)(23, 32)(23, 33)(23, 34)(23, 35)(23, 36)(23, 37)(23, 38)(23, 39)(23, 40)(23, 41)(23,42) (23, 43)(23, 44)(23, 45)(24,25) (24, 29)(24, 31)(24, 35)(24, 37)(24,41) (24, 43) (25, 26)(25, 27)(25, 28)(25, 29)(25, 31)(25, 32)(25, 33)(25, 34)(25, 36)(25, 37)(25, 38)(25, 39)(25, 41)(25, 42)(25, 43)(25, 44)(25, 46)(26, 27)(26, 29)(26,31) (26, 33)(26, 35)(26, 37)(26, 41)(26, 43)(26, 45)(27, 28)(27, 29)(27, 31)(27, 32)(27, 34)(27, 35)(27, 37)(27,38) (27,40) (27,41)(27, 43)(27, 44)(27, 46)(28, 29)(28, 31)(28, 33)(28, 37)(28, 39)(28, 41)(28,43) (28, 45)(29,30) (29, 31)(29, 32)(29, 33)(29, 34)(29, 35)(29, 36)(29, 37)(29, 38)(29, 39)(29, 40)(29, 41)(29, 42)(29,43) (29, 44)(29, 45)(29, 46)(30, 31)(30, 37)(30, 41)(30, 43)(31, 32)(31, 33)(31, 34) (31, 35)(31, 36)(31, 37)(31, 38)(31, 39)(31,40) (31,41) (31,42) (31, 43)(31, 44)(31, 45)(31, 46)(32, 33)(32, 35)(32, 37)(32, 39)(32, 41)(32, 43)(32, 45)(33,34) (33,35) (33, 37)(33, 38)(33, 40)(33, 41)(33, 43)(33, 46)(34, 35)(34, 37)(34, 39)(34, 41)(34, 43)(34,45) (35, 36)(35, 37)(35, 38)(35, 39)(35, 41)(35, 43)(35, 44)(35, 46)(36, 37)(36, 41)(36, 43)(37, 38)(37,39) (37,40) (37,41)(37, 42)(37, 43)(37, 44)(37, 45)(37, 46)(38, 39)(38, 41)(38, 43)(38, 45)(39, 40)(39, 41)(39, 43)(39,44) (39, 46)(40,41) (40, 43)(41, 42)(41,43) (41, 44)(41, 45)(41, 46)(42, 43)(43,44) (43, 45)

(43,46)

(44, 45)

(45, 46)